APPENDIX AQ-1: AIR QUALITY, GREENHOUSE GAS EMISSIONS, AND ENERGY MODELING OUTPUTS

Project Charactistics and Land Use Types

Fair Oaks Land Uses (previous)					Fair Oaks Land Uses (rezoned)				
Land Use Subtype	**Size**	**Unit**	**Lot Acreag**	**landscape Area**	**Land Use Subtype**	**Size**	**Unit**	**Lot Acreage**	**landscape A**
Low Rise Apartments	25	Units	1.25	10890	Mid Rise Apartments	37	Units	1.25	10890

Fair Oaks Schedule					
Phase	**CalEEMod**	**% of total**	**New Work**	**Start**	**end**
~~Demolition~~	~~10~~	0.0%	0.0		
Site Prep	1	0.9%	1.0	1/1/2025	1/1/2025
Grading	2	1.8%	2.0	1/2/2025	1/3/2025
BC	100	88.5%	100.0	1/4/2025	5/23/2025
Paving	5	4.4%	5.0	5/24/2025	5/30/2025
AC	5	4.4%	5.0	5/31/2025	6/6/2025
Total	113	1	113		

North Watt Land Uses (previous)					North Watt Land Uses (rezoned)				
Land Use Subtype	**Size**	**Unit**	**Lot Acreag**	**landscape Area**	**Land Use Subtype**	**Size**	**Unit**	**Lot Acreage**	**landscape A**
Low Rise Apartments	505	Units	21.31	185652.72	Mid Rise Apartments	735	Units	21.31	185652.72

North Watt Schedule					
Phase	**CalEEMod**	**% of total**	**New Work**	**Start**	**end**
~~Demolition~~	~~20~~	0.0%	0		
Site Prep	10	2.2%	10	6/7/2025	6/20/2025
Grading	35	7.7%	35	6/21/2025	8/8/2025
BC	370	81.3%	370	8/9/2025	1/8/2027
Paving	20	4.4%	20	1/9/2027	2/5/2027
AC	20	4.4%	20	2/6/2027	3/5/2027
Total	455	1	455		

Old Florin Land Uses (previous)					Old Florin Land Uses (rezoned				
Land Use Subtype	**Size**	**Unit**	**Lot Acreag**	**landscape Area**	**Land Use Subtype**	**Size**	**Unit**	**Lot Acreage**	**landscape A**
Low Rise Apartments	503	Units	25.22	219716.64	Mid Rise Apartments	777	Units	25.22	219716.64

Old Florin Schedule					
Phase	**CalEEMod**	**% of total**	**New Work**	**Start**	**end**
~~Demolition~~	~~20~~	0.0%	0		
Site Prep	10	2.2%	10	3/6/2027	3/19/2027
Grading	35	7.7%	35	3/20/2027	5/7/2027
BC	370	81.3%	370	5/8/2027	10/6/2028
Paving	20	4.4%	20	10/7/2028	11/1/2028
AC	20	4.4%	20	11/2/2028	11/27/2028
Total	455	1	455		

Main Rezone Land Uses (previous)					Main Rezone Land Uses (rezone)				
Land Use Subtype	**Size**	**Unit**	**Lot Acreag**	**landscape Area**	**Land Use Subtype**	**Size**	**Unit**	**Lot Acreage**	**landscape A**
Low Rise Apartments	2305	Units	187.7423	1635611.12	Mid Rise Apartments	5870	Units	187.7423232	1635611.1

Main Rezone Schedule					
Phase	**CalEEMod**	**% of total**	**New Work**	**Start**	**end**
Demolition	200	0.0%	10.0	1/1/2025	1/14/2025
Site Prep	120	3.0%	39.1	1/15/2025	3/10/2025
Grading	310	7.8%	101.0	3/11/2025	7/29/2025
BC	3100	78.1%	1010.4	7/30/2025	6/12/2029
Paving	220	5.5%	71.7	6/13/2029	9/20/2029
AC	220	5.5%	71.7	9/21/2029	12/31/2029
Total	3970	1	1294		

25% total Project before					25% total Project after				
Land Use Subtype	**Size**	**Unit**	**Lot Acreag**	**landscape Area**	**Land Use Subtype**	**Size**	**Unit**	**Lot Acreage**	**landscape A**
Low Rise Apartments	461	Units	37.54846	327122.224	Mid Rise Apartments	1174	Units	37.54846465	327122.22

Main Rezone Schedule						Before				After			
Phase	**CalEEMod**	**% of total**	**New Work**	**Start**	**end**	**% of total**	**New Work**	**Start**	**end**	**% of total**	**New Work**	**Start**	**end**
Demolition	70	0.0%	0.0			0.0%	10.0	1/1/2025	1/14/2025				
Site Prep	40	2.8%	7.4	1/1/2025	1/9/2025	2.9%	7.2	1/15/2025	1/23/2025				
Grading	110	7.8%	20.4	1/10/2025	2/6/2025	7.9%	19.7	1/24/2025	2/20/2025				
BC	1110	78.7%	205.5	2/7/2025	11/21/2025	79.3%	199.0	2/21/2025	11/26/2025				
Paving	75	5.3%	13.9	11/22/2025	12/11/2025	5.4%	13.4	11/27/2025	12/15/2025				
AC	75	5.3%	13.9	12/12/2025	12/31/2025	5.4%	13.4	12/16/2025	12/31/2025				
Total	1410	1	261			1.00714286							
total w den	1400		251										

Yearly Construction

Before Rezone

	Units	Acres	Acreage pe	Units per a	Landscape SF
Main Rezoı	2305	187.7423	0.084381	11.85095	1635611
Fair Oaks	25	1.25	0.05	20	10890
North Watl	505	21.31	0.042198	23.69779	185652.7
Old Florin F	503	25.22	0.050139	19.94449	219716.6
Total	**3338**	**235.5223**	**0.072593**	**13.77548**	**2051870**

After Rezone

	Units	Acres	Acreage pe	Units per a	Landscape SF
Main Rezoı	5870	187.7423	0.032037	31.21401	1635611
Fair Oaks	37	1.25	0.033784	29.6	10890
North Watl	735	21.31	0.028993	34.49085	185652.7
Old Florin F	777	25.22	0.032458	30.80888	219716.6
Total	**7419**	**235.5223**	**0.031795**	**31.45148**	**2051870**

Each Year

Before Rezone

Units	Acres	Acreage pe	Units per a	Landscape	building SF
461	37.54846	0.016876	2.37019	327122.2	488660

After Rezone

Units	Acres	Acreage pe	Units per a	Landscape SF
1174	37.54846	0.006407	6.242801	327122.2

Project Summary

Project Totals: **82 sites** **236 acres** **4081 New units**

	Before Rezone						After Rezone						Difference	
	Units	**Acres**	**Acreage pe**	**Units per a**	**Landscape SF**		**Units**	**Acres**	**Acreage pe**	**Units per a**	**Landscape SF**		**Region**	**Units**
Main Rezoning	2305	187.742323	0.08145	12.27747	1635611.1	Main Rezoning	5870	187.7423	0.031983	31.26626	1635611		Main Rezoning	3565
Fair Oaks	25	1.25	0.05	20	10890	Fair Oaks	37	1.25	0.033784	29.6	10890		Fair Oaks	12
North Watt	505	21.31	0.042198	23.69779	185652.72	North Watt	735	21.31	0.028993	34.49085	185652.7		North Watt	230
Old Florin Road	503	25.22	0.050139	19.94449	219716.64	Old Florin Road	777	25.22	0.032458	30.80888	219716.6		Old Florin Road	274
Total	**3338**	**235.522323**	**0.070558**	**14.17275**	**2051870.5**	**Total**	**7419**	**235.5223**	**0.031746**	**31.5002**	**2051870**		**Total**	4081

Distinct Community Planning Areas

Zone	**Site #**	**Net increase**	**Acres**	**Old Subzor**	**New Subzoi**	**Note:**
Fair Oaks Boulevard Corridor Plan	71	12	1.25	BP	RD-30	
North Watt Avenue Corridor Plan	72-76	230	21.31	RMU-1, RM	RD-40, RD-3	Up to 20 units/acre
Old Florin Town SPA	77-83	274	25.22	MUR, MUC	RD-30, RD-4	Up to 20 units/acre

SF in an acre: 43560

Kari Comments:
Assume no NG
Assume no fireplaces

Houses demolished:	20	
Average size sacramento house (as of de	1851	source: https://fred.stlouisfed.org/series/MEDSQUFEE40900
SF demolished:	37020	
Acres demolished:	0.849862	
20% SF demolished:	7404	

TOTAL REZONE

Background Information						Capacity Analysis / VLI #s				CEQA #s						
Site #	Lot size / P	General Pl	General Pl	Zoning Des	Zoning De	Income Category	Capacity Adjusted Units (Lower)	Capacity Adjusted Units (Moderate)	Existing Ca	Net New Increase	Minimum Density (Existing)	Maximum	Minimum	Maximum	P max - E max	Notes re: Other Applicable LU Plans	Column1	Column2
1	10	MDR	No change	RD-20	RD-30	Lower	192	0	128	64	150	200	225	300	100			
2	4.66	LDR	MDR	UR	RD-30	Lower	63	0	1	62	1	1	105	139	138			
3	9.69	LDR	HDR	RD-20	RD-40 - PO	Lower	201	0	101	100	146	193	291	387	194			
4	5.28	INT IND	HDR	MP	RD-40	Lower	118	0	0	118	0	0	159	211	211			
5	1.98	MDR	No change	RD-20	RD-30 - PO	Lower	35	0	23	12	30	39	45	59	20			
6	1.8	LDR	MDR	RD-5	RD-30	Lower	25	0	5	20	7	9	41	54	45			
7	0.89	MDR	No change	RD-20	RD-30	Lower	15	0	10	5	14	17	21	26	9			
8	1.32	LDR	MDR	RD-20	RD-30	Lower	16	0	11	5	20	26	30	39	13			
9	1.33	LDR	No change	RD-5	RD-10	Moderate	0	7	4	3	5	6	10	13	7			
10	3.01	LDR	MDR	RD-2	RD-15	Moderate	0	28	4	24	5	6	34	45	39			
11	3	LDR	MDR	RD-2	RD-30	Lower	39	0	3	36	5	6	68	90	84			
12	1.84	LDR	MDR	RD-5	RD-30 - PO	Lower	28	0	5	23	7	9	42	55	46			
13	0.72	LDR	No change	RD-2	RD-10	Moderate	0	3	1	2	1	1	6	7	6			
14	1.46	LDR	MDR	RD-4	RD-15	Moderate	0	11	3	8	5	5	17	21	16			
15	11.45	TOD	HDR	RD-20/O	RD-40/O	Lower	283	0	142	141	172	229	344	458	229			
16	2.45	TOD	HDR	RD-20(PC)	RD-40	Lower	58	0	29	29	37	49	74	98	49			
17	1.26	LDR	MDR	RD-2	RD-30 - PO	Lower	21	0	2	19	2	2	29	37	35			
18	1.63	LDR	MDR	BP	RD-30	Lower	24	0	16	8	25	32	37	48	16			
19	0.97	COMM/OF	MDR	BP	RD-20 - PO	Moderate	0	10	10	0	15	19	15	19	0			
20	5.7	COMM/OF	MDR	RD-20/BP	RD-30	Lower	43	0	29	14	86	114	129	171	57			
21	3.36	COMM/OF	MDR	BP	RD-30 - PO	Lower	38	0	25	13	51	67	76	100	33			
22	9.96	LDR	MDR	RD-10	RD-30	Lower	124	0	42	82	75	99	225	298	199			
23	1.22	LDR	MDR	BP	RD-30	Lower	20	0	13	7	19	24	28	36	12			
24	2.18	LDR	MDR	RD-2	RD-30	Lower	31	0	3	28	4	4	50	65	61			
25	1.05	MDR	HDR	RD-10	RD-40	Lower	17	0	5	12	8	10	32	42	32			
26	1.15	LDR	MDR	RD-5	RD-30 - PO	Lower	22	0	4	18	5	5	26	34	29			
27	5.86	AG-RES	MDR	AR-5	RD-30 - PO	Lower	99	0	1	98	1	1	132	175	174			
28	1.52	AG-RES	MDR	RD-20	RD-30	Lower	17	0	11	6	23	30	35	45	15			
29	3.54	MDR	No change	RD-20	RD-30	Lower	63	0	42	21	54	70	80	106	36			
30	1.77	LDR	MDR	RD-20	RD-30	Lower	31	0	21	10	27	35	40	53	18			
31	2.13	MDR	HDR	RD-20	RD-40	Lower	40	0	27	13	32	42	64	85	43			
32	1.73	LDR	MDR	LC	RD-30 - PO	Lower	30	0	30	0	39	51	39	51	0			
33	3.51	MDR	No change	RD-20	RD-30	Lower	46	0	31	15	53	70	79	105	35			
34	1.39	MDR	No change	RD-20	RD-30	Lower	24	0	16	8	21	27	32	41	14			
35	2.14	LDR	MDR	RD-20	RD-30	Lower	36	0	24	12	33	42	49	64	22			
36	1.05	COMM/OF	HDR	GC	RD-40	Lower	25	0	19	6	24	31	32	42	11			
37	2.08	MDR	No change	RD-20	RD-30	Lower	35	0	24	11	32	41	47	62	21			
38	4.39	MDR	HDR	RD-20	RD-40	Lower	117	0	59	58	66	87	132	175	88			
39	2.35	LDR	MDR	RD-5	RD-30	Lower	34	0	6	28	9	11	53	70	59			
40	1.1	LDR	MDR	RD-5	RD-30 - PO	Lower	16	0	3	13	5	5	25	33	28			
41	1.68	MDR	HDR	RD-20	RD-40	Lower	33	0	17	16	26	33	51	67	34			
42	1.43	MDR	No change	RD-20	RD-30	Lower	25	0	17	8	22	28	33	42	14			
43	3.21	MDR	HDR	RD-20	RD-40	Lower	74	0	37	37	49	64	97	128	64			
44	1.22	MDR	MDR	RD-5	RD-15	Moderate	0	8	1	7	5	6	14	18	12			
45	3.08	MDR	HDR	RD-5	RD-40	Lower	84	0	1	83	12	15	93	123	108			
46	1.78	MDR	MDR	RD-5	RD-15	Moderate	0	13	1	12	7	8	21	26	18			
47	0.73	LDR	MDR	RD-5	RD-15	Moderate	0	6	3	3	3	3	9	10	7			
48	0.84	LDR	MDR	RD-5	RD-15	Moderate	0	7	11	-4	4	4	10	12	8			
49	0.94	LDR	MDR	RD-5	RD-15	Moderate	0	8	5	3	4	4	11	14	10			
50	1.87	LDR	MDR	RD-5	RD-15	Moderate	0	12	2	10	8	9	22	28	19			
51	6.51	LDR	MDR	RD-5	RD-30 - PO	Lower	115	0	3	112	25	32	147	195	163			
52	6.98	LDR	HDR	RD-5	RD-40	Lower	181	0	3	178	27	34	210	279	245			
53	2.65	LDR	MDR	RD-5	RD-30 - PO	Lower	33	0	4	29	10	13	60	79	66			
54	4.13	LDR	MDR	RD-5	RD-15	Moderate	0	34	20	14	16	20	47	61	41			
55	3.64	LDR	HDR	RD-20	RD-40	Lower	70	0	23	47	55	72	110	145	73			
56	2.42	LDR	MDR	UR	RD-30 - PO	Lower	33	0	6	27	1	1	55	72	71			
57	2.39	LDR	MDR	UR	RD-30 - PO	Lower	35	0	12	23	1	1	54	71	70			
58	2.26	MDR	HDR	RD-20/NPA	RD-40	Lower	54	0	35	19	34	45	68	90	45			
59	4.66	LDR	MDR	RD-5/NPA	RD-30 - PO	Lower	80	0	1	79	18	23	105	139	116			
60	0.682323	LDR	MDR	SPA (Greer	RD-15	Moderate	0	4	1	3	3	3	8	10	7			
61	0.69	COMM/OF	No change	SPA (Greer	RD-10	Moderate	0	3	27	-24	1	1	6	6	5	Stockton Blvd NPA - amend NPA to not require discretionary review by COPC for this site		
62	0.85	LDR	No change	SPA (Greer	RD-10	Moderate	0	2	14	-12	1	1	7	8	7	Victory Avenue NPA - amend NPA to not require discretionary review by COPC for this site		
63	1.31	LDR	HDR	SPA (Greer	RD-40	Lower	20	0	2	18	10	13	40	52	39	Greenback Lane SPA - review 506-22 (no exist SF uses on sites), consider adding sites to 506-23(b) to explicitly state only MF uses permitted, no Development Plan Review		
64	1.17	LDR	MDR	SPA (Greer	RD-30	Lower	20	0	1	19	18	23	27	35	12	Greenback Lane SPA - review 506-22 (no existing SF uses on sites), consider adding sites to 506-23(b) to explicitly state only MF uses permitted, no Development Plan Review		
65	3.7	LDR	MDR	SPA (Down	RD-30	Lower	60	0	1	59	56	74	84	111	37	Greenback Lane SPA - review 506-22 (no existing SF uses on sites), consider adding sites to 506-23(b) to explicitly state only MF uses permitted, no Development Plan Review		
66	3	MDR	No change	SPA (Down	RD-30	Lower	26	0	7	19	45	60	68	90	30	Greenback Lane SPA - review 506-22 (no existing SF uses on sites), consider adding sites to 506-23(b) to explicitly state only MF uses permitted, no Development Plan Review		
67	1.25	COMM/OF	MDR	SPA (Fair O	RD-30	Lower	22	0	13	9	19	25	29	37	12	Greenback Lane SPA - review 506-22 (no existing SF uses on sites), consider adding sites to 506-23(b) to explicitly state only MF uses permitted, no Development Plan Review		
68	3.06	COMM/OF	HDR	SPA (North	RD-40	Lower	65	0	40	25	58	76	92	122	46	Downtown Rio Linda SPA - RD-20/NMU allows up to 20 units/acre		
69	4.62	MDR	HDR	SPA (North	RD-40	Lower	98	0	18	80	87	115	139	184	69	Downtown Rio Linda SPA - RD-20/NMU allows up to 20 units/acre		
70	5.15	TOD	MDR	SPA (North	RD-30	Lower	82	0	15	67	78	103	116	154	51			
71	6.35	TOD	MDR	SPA (North	RD-30 - PO	Lower	101	0	41	60	120	158	143	190	32	North Watt SPA - RMU-1 allows up to 25 units/acre		
72	2.13	TOD	HDR	SPA (North	RD-40	Lower	45	0	61	-16	40	53	64	85	32	North Watt SPA - RMU-1 allows up to 25 units/acre		
73	2.8	TOD	No change	SPA (Old Fl	RD-30	Lower	53	0	55	-2	42	56	63	84	28	North Watt SPA - RMU-2 allows up to 20 units/acre		
74	4.7	TOD	No change	SPA (Old Fl	RD-30	Lower	101	0	84	17	71	94	106	141	47	North Watt SPA - RMU-1 allows up to 25 units/acre		
75	2.43	TOD	No change	SPA (Old Fl	RD-30	Lower	49	0	28	21	37	48	55	72	24	North Watt SPA - RMU-1 allows up to 25 units/acre		
76	4.7	MDR	No change	SPA (Old Fl	RD-30	Lower	94	0	36	58	71	94	106	141	47	Old Florin Town SPA - MUR allows up to 20 units/acre		
77	5.82	MDR	No change	SPA (Old Fl	RD-30	Lower	86	0	67	19	88	116	131	174	58	Old Florin Town SPA - MUR allows up to 20 units/acre		
78	2.26	MDR	HDR	SPA (Old Fl	RD-40 - PO	Lower	45	0	33	12	34	45	68	90	45	Old Florin Town SPA - MUR allows up to 20 units/acre		
79	2.51	MDR	No change	SPA (Old Fl	RD-30 - PO	Lower	47	0	63	-16	38	50	57	75	25	Old Florin Town SPA - MUR allows up to 20 units/acre		
	235.5223	TOTAL AC	186.95	181.15			3963	156	2140		2558	3338	5624	7419	4081			
	21.22	To MDR	109.43			LOWER	MODERATE		NET NEW UNITS			2305						

Main Rezone

Background Information						CEQA #s				
Site #	Lot size / F	General Pl	General Pl	Zoning Des	Zoning Des	Minimum Density (Existing)	Maximum	Minimum	Maximum Density (F	P max - E max
1	10	MDR	No change	RD-20	RD-30	150	200	225	300	100
2	4.66	LDR	MDR	UR	RD-30	1	1	105	139	138
3	9.69	LDR	HDR	RD-20	RD-40 - PO	146	193	291	387	194
4	5.28	INT IND	HDR	MP	RD-40	0	0	159	211	211
5	1.98	MDR	No change	RD-20	RD-30 - PO	30	39	45	59	20
6	1.8	LDR	MDR	RD-5	RD-30	7	9	41	54	45
7	0.89	MDR	No change	RD-20	RD-30	14	17	21	26	9
8	1.32	LDR	MDR	RD-20	RD-30	20	26	30	39	13
9	1.33	LDR	No change	RD-5	RD-10	5	6	10	13	7
10	3.01	LDR	MDR	RD-2	RD-15	5	6	34	45	39
11	3	LDR	MDR	RD-2	RD-30	5	6	68	90	84
12	1.84	LDR	MDR	RD-5	RD-30 - PO	7	9	42	55	46
13	0.72	LDR	No change	RD-2	RD-10	1	1	6	7	6
14	1.46	LDR	MDR	RD-4	RD-15	5	5	17	21	16
15	11.45	TOD	HDR	RD-20/O	RD-40/O	172	229	344	458	229
16	2.45	TOD	HDR	RD-20(PC)	RD-40	37	49	74	98	49
17	1.26	LDR	MDR	RD-2	RD-30 - PO	2	2	29	37	35
18	1.63	LDR	MDR	BP	RD-30	25	32	37	48	16
19	0.97	COMM/OF	MDR	BP	RD-20 - PO	15	19	15	19	0
20	5.7	COMM/OF	MDR	RD-20/BP	RD-30	86	114	129	171	57
21	3.36	COMM/OF	MDR	BP	RD-30 - PO	51	67	76	100	33
22	9.96	LDR	MDR	RD-10	RD-30	75	99	225	298	199
23	1.22	LDR	MDR	BP	RD-30	19	24	28	36	12
24	2.18	LDR	MDR	RD-2	RD-30	4	4	50	65	61
25	1.05	MDR	HDR	RD-10	RD-40	8	10	32	42	32
26	1.15	LDR	MDR	RD-5	RD-30 - PO	5	5	26	34	29
27	5.86	AG-RES	MDR	AR-5	RD-30 - PO	1	1	132	175	174
28	1.52	AG-RES	MDR	RD-20	RD-30	23	30	35	45	15
29	3.54	MDR	No change	RD-20	RD-30	54	70	80	106	36
30	1.77	LDR	MDR	RD-20	RD-30	27	35	40	53	18
31	2.13	MDR	HDR	RD-20	RD-40	32	42	64	85	43
32	1.73	LDR	MDR	LC	RD-30 - PO	39	51	39	51	0
33	3.51	MDR	No change	RD-20	RD-30	53	70	79	105	35
34	1.39	MDR	No change	RD-20	RD-30	21	27	32	41	14
35	2.14	LDR	MDR	RD-20	RD-30	33	42	49	64	22
36	1.05	COMM/OF	HDR	GC	RD-40	24	31	32	42	11
37	2.08	MDR	No change	RD-20	RD-30	32	41	47	62	21
38	4.39	MDR	HDR	RD-20	RD-40	66	87	132	175	88
39	2.35	LDR	MDR	RD-5	RD-30	9	11	53	70	59
40	1.1	LDR	MDR	RD-5	RD-30 - PO	5	5	25	33	28
41	1.68	MDR	HDR	RD-20	RD-40	26	33	51	67	34
42	1.43	MDR	No change	RD-20	RD-30	22	28	33	42	14
43	3.21	MDR	HDR	RD-20	RD-40	49	64	97	128	64
44	1.22	MDR	MDR	RD-5	RD-15	5	6	14	18	12
45	3.08	MDR	HDR	RD-5	RD-40	12	15	93	123	108
46	1.78	MDR	MDR	RD-5	RD-15	7	8	21	26	18
47	0.73	LDR	MDR	RD-5	RD-15	3	3	9	10	7
48	0.84	LDR	MDR	RD-5	RD-15	4	4	10	12	8
49	0.94	LDR	MDR	RD-5	RD-15	4	4	11	14	10
50	1.87	LDR	MDR	RD-5	RD-15	8	9	22	28	19
51	6.51	LDR	MDR	RD-5	RD-30 - PO	25	32	147	195	163
52	6.98	LDR	HDR	RD-5	RD-40	27	34	210	279	245
53	2.65	LDR	MDR	RD-5	RD-30 - PO	10	13	60	79	66
54	4.13	LDR	MDR	RD-5	RD-15	16	20	47	61	41
55	3.64	LDR	HDR	RD-20	RD-40	55	72	110	145	73
56	2.42	LDR	MDR	UR	RD-30 - PO	1	1	55	72	71
57	2.39	LDR	MDR	UR	RD-30 - PO	1	1	54	71	70
58	2.26	MDR	HDR	RD-20/NPA	RD-40	34	45	68	90	45
59	4.66	LDR	MDR	RD-5/NPA	RD-30 - PO	18	23	105	139	116
60	0.682323	LDR	MDR	SPA (Green	RD-15	3	3	8	10	7
61	0.69	COMM/OF	No change	SPA (Green	RD-10	1	1	6	6	5
62	0.85	LDR	No change	SPA (Green	RD-10	1	1	7	8	7
63	1.31	LDR	HDR	SPA (Green	RD-40	10	13	40	52	39
64	1.17	LDR	MDR	SPA (Green	RD-30	18	23	27	35	12
65	3.7	LDR	MDR	SPA (Down	RD-30	56	74	84	111	37
66	3	MDR	No change	SPA (Down	RD-30	45	60	68	90	30
	187.7423						**2305**		**5870**	**3565**
							Total Existing		Total Proposed	Net Increase

Fair Oaks

Background Information						Capacity Analysis / VLI #s					CEQA #s					
Site #	Communit	Lot size / P	General Pl	General Pl	Zoning Des	Zoning Des	Income Ca	Capacity A	Capacity A	Existing Ca	Net Increa	Minimum [	Maximum Density (Existing)	Minimum [	Maximum Density (Proposed)	P max - E	Notes re: Other Applicable LU Plans
70	Carmichae	1.25	TOD	MDR	SPA (Fair O	RD-30	Lower	22	0	15	7	19	25	29	37	12	
totals		1.25										total existing		total proposed		Net increase	
													25		37	12	

North Watt

Background Information						Capacity Analysis / VLI #s				CEQA #s					
Site #	Community	Lot size / P	General Pla	Zoning Des	Zoning Des	Income Cat	Capacity Ac	Capacity Ac	Existing Ca	Net Increas	Minimum D	Maximum	Minimum D	Maximum	P max - E m	Notes re: Other Applicable LU Plans
71	North High	3.06	HDR	SPA (North	RD-40	Lower	65	0	41	24	58	76	92	122	46	North Watt SPA - RMU-1 allows up to 25 units/acre
72	North High	4.62	HDR	SPA (North	RD-40	Lower	98	0	61	37	87	115	139	184	69	North Watt SPA - RMU-1 allows up to 25 units/acre
73	North High	5.15	MDR	SPA (North	RD-30	Lower	82	0	55	27	78	103	116	154	51	North Watt SPA - RMU-2 allows up to 20 units/acre
74	North High	6.35	MDR	SPA (North	RD-30 - PO	Lower	101	0	84	17	120	158	143	190	32	North Watt SPA - RMU-1 allows up to 25 units/acre
75	North High	2.13	HDR	SPA (North	RD-40	Lower	45	0	28	17	40	53	64	85	32	North Watt SPA - RMU-1 allows up to 25 units/acre
Totals		21.31										505		735	230	
												total existing		total propc	Net increase	

Old Florin

Background Information							Capacity Analysis / VLI #s					CEQA #s					
Site #	Community	Lot size / Pr	General Pla	General Pla	Zoning Des	Zoning Des	Income Cat	Capacity Ac	Capacity Ac	Existing Ca	Net Increas	Minimum D	Maximum I	Minimum D	Maximum I	P max - E m	Notes re: Other Applicable LU Plans
76	South Sacra	2.8	MDR	No change	SPA (Old Fl	RD-30	Lower	53	0	36	17	42	56	63	84	28	Old Florin Town SPA - MUR allows up to 20 units/acre
77	South Sacra	4.7	MDR	No change	SPA (Old Fl	RD-30	Lower	101	0	67	34	71	94	106	141	47	Old Florin Town SPA - MUR allows up to 20 units/acre
78	South Sacra	2.43	MDR	No change	SPA (Old Fl	RD-30	Lower	49	0	33	16	37	48	55	72	24	Old Florin Town SPA - MUR allows up to 20 units/acre
79	South Sacra	4.7	MDR	No change	SPA (Old Fl	RD-30	Lower	94	0	63	31	71	94	106	141	47	Old Florin Town SPA - MUR allows up to 20 units/acre
80	South Sacra	5.82	MDR	No change	SPA (Old Fl	RD-30	Lower	86	0	57	29	88	116	131	174	58	Old Florin Town SPA - MUR/MUC allows up to 20 units/acre
81	South Sacra	2.26	MDR	HDR	SPA (Old Fl	RD-40 - PO	Lower	45	0	23	22	34	45	68	90	45	Old Florin Town SPA - MUR/MUC allows up to 20 units/acre
82	South Sacra	2.51	MDR	No change	SPA (Old Fl	RD-30 - PO	Lower	47	0	31	16	38	50	57	75	25	Old Florin Town SPA - MUR allows up to 20 units/acre
Totals		25.22											503		777	274	
													total existing		total propo	Net increase	

Summary Tables

Maximum Daily Construction Emissions (after rezone)

Year	ROG (lb/day)	NO_X (lb/day)	PM_{10} (lb/day)	$PM_{2.5}$ (lb/day)	PM_{10} (tpy)	$PM_{2.5}$ (tpy)	Regions
Maximum Daily Emissions							
2025	72	63	19	10	1.5	0.5	Main, Fair Oaks/North Watt
2026	91	45	16	7	1.9	0.5	Main, North Watt
2027	92	56	19	10	1.7	0.5	Main, North Watt/Old Florin
2028	93	42	16	7	1.7	0.5	Main, Old Florin
2029	68	26	10	5	1.1	0.3	Main

Maximum Daily Construction Emissions (before rezone)

Year	ROG (lb/day)	NO_X (lb/day)	PM_{10} (lb/day)	$PM_{2.5}$ (lb/day)	PM_{10} (tpy)	$PM_{2.5}$ (tpy)	Regions
Maximum Daily Emissions							
2025	31	63	18	10	0.9	0.3	Main, Fair Oaks/North Watt
2026	46	43	14	6	1.1	0.3	Main, North Watt
2027	46	56	18	10	1.0	0.4	Main, North Watt/Old Florin
2028	44	40	13	6	0.9	0.3	Main, Old Florin
2029	28	26	9	5	0.5	0.2	Main

Maximum Daily Construction Emissions (difference)

Year	ROG (lb/day)	NO_X (lb/day)	PM_{10} (lb/day)	$PM_{2.5}$ (lb/day)	PM_{10} (tpy)	$PM_{2.5}$ (tpy)	Regions
Maximum Daily Emissions							
2025	41	0	1	0	1	0	Main, Fair Oaks/North Watt
2026	45	2	3	0	1	0	Main, North Watt
2027	47	0	1	0	1	0	Main, North Watt
2028	49	2	3	1	1	0	Main, North Watt/Old Florin
2029	40	0	1	0	1	0	Main, Old Florin

Annual Construction GHG Emissions (after rezone) (unmitigated operations)

Year	Phase				Operations	Total CO2e/year
	Main	Fair Oaks	North Watt	Old Florin		
2025	1479	106	619	0	0	2204
2026	1457	0	1204	0	0	2661
2027	1432	0	52	940	0	2424
2028	1403	0	0	957	0	2360
2029	1386	0	0	0	0	1386
Operations (Unmit)					51236.5	51236
Operations (Mit)					45959.5	45959

Annual Construction GHG Emissions (before rezone)

Year	Phase				Operations	Total CO2e/year
	Main	Fair Oaks	North Watt	Old Florin		
2025	785	100	502	0	0	1387
2026	776	0	916	0	0	1692
2027	766	0	42.8	721	0	1530
2028	756	0	0	704	0	1460
2029	747	0	0	0	0	747
Operations (Unmit)					30337.1	30337
Operations (Mit)					28075.1	28075

Annual Construction GHG Emissions (difference)

Year	Phase				Operations	Total CO2e/year
	Main	Fair Oaks	North Watt	Old Florin		
2025	694	6	117	0	0	817
2026	681	0	288	0	0	969
2027	666	0	9.2	219	0	894
2028	647	0	0	253	0	900
2029	639	0	0	0	0	639
Operations (unmit)					20899.34	20899
Operations (mit)					17884.34	17884

Emissions Per Capita (after rezone)

Year	ROG (lb/day)	NO_x (lb/day)	PM_{10} (lb/day)	$PM_{2.5}$ (lb/day)	PM_{10} (tpy)	$PM_{2.5}$ (tpy)	Regions
Maximum Daily Emissions							
2025	0.00347	0.00305	0.00092	0.00050	0.00007	0.00002	Main, Fair Oaks/North Watt
2026	0.00439	0.00216	0.00078	0.00033	0.00009	0.00003	Main, North Watt
2027	0.00445	0.00270	0.00091	0.00049	0.00008	0.00003	Main, North Watt/Old Florin
2028	0.00448	0.00202	0.00079	0.00033	0.00008	0.00002	Main, Old Florin
2029	0.00326	0.00125	0.00047	0.00024	0.00005	0.00001	Main
Average	0.00401	0.00224	0.00078	0.00038	0.00008	0.000022	

Emissions Per Capita (before rezone)

Year	ROG (lb/day)	NO_x (lb/day)	PM_{10} (lb/day)	$PM_{2.5}$ (lb/day)	PM_{10} (tpy)	$PM_{2.5}$ (tpy)	Regions
Maximum Daily Emissions							
2025	0.00336	0.00678	0.00197	0.00112	0.00009	0.00003	Main, Fair Oaks/North Watt
2026	0.00489	0.00461	0.00145	0.00069	0.00012	0.00004	Main, North Watt
2027	0.00489	0.00599	0.00193	0.00108	0.00011	0.00004	Main, North Watt/Old Florin
2028	0.00474	0.00428	0.00143	0.00067	0.00010	0.00003	Main, Old Florin
2029	0.00300	0.00278	0.00096	0.00053	0.00005	0.00002	Main
Average	0.00418	0.00489	0.00155	0.00082	0.00009	0.000031	

Annual GHG Emissions Per Capita (tons per person)			
Year	Before Rezone	After Rezone	
2025	0.14839	0.10610	-0.04229
2026	0.18102	0.12810	-0.05292
2027	0.16367	0.11669	-0.04698
2028	0.15620	0.11361	-0.04259
2029	0.07992	0.06672	-0.01320
2030+ (Unmit)	3.24565	2.46649	
2030+ (Mit)	3.00365	2.21246	

0.79119

Main Rezone Pop (after)	16435	Note: Population output is multiplied by 5 since 1 year contains one fifth of project
Fair Oaks Pop (after)	104	
North Watt Pop (after)	2058	
Old Florin Pop (after)	2176	
TOTAL POP (AFTER)	**20773**	

Main Rezone Pop (before)	6455
Fair Oaks Pop (before)	70
North Watt Pop (before)	1414
Old Florin Pop (before)	1408
TOTAL POP (before)	**9347**

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone after (2025)
Constructic	1/1/2025
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	1174	Dwelling U	37.5	1127040	327122		3287	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	5.64	67.77536	19.5	66.4	0.05	0.48	9.49	9.97	0.45	2.26	2.7		15623	15623	0.48	0.9	46.3	15948
Daily, Winter (Max)																		
Unmit.	5.3	67.77536	31.7	53.1	0.06	1.37	9.49	9.97	1.26	3.98	5.24		14544	14544	0.54	0.9	1.2	14826
Average Daily (Max)																		
Unmit.	3.32	31.8	14.2	32.8	0.03	0.4	5.5	5.9	0.37	1.38	1.74		8767	8767	0.3	0.5	11	8934
Annual (Max)																		
Unmit.	0.61	5.8	2.59	5.98	0.01	0.07	1	1.08	0.07	0.25	0.32		1451	1451	0.05	0.08	1.83	1479

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	5.64	67.77536	19.5	66.4	0.05	0.48	9.49	9.97	0.45	2.26	2.7		15623	15623	0.48	0.9	46.3	15948
Daily - Winter (Max)																		
2025	5.3	67.77536	31.7	53.1	0.06	1.37	9.49	9.97	1.26	3.98	5.24		14544	14544	0.54	0.9	1.2	14826
Average Daily																		
2025	3.32	31.8	14.2	32.8	0.03	0.4	5.5	5.9	0.37	1.38	1.74		8767	8767	0.3	0.5	11	8934
Annual																		
2025	0.61	5.8	2.59	5.98	0.01	0.07	1	1.08	0.07	0.25	0.32		1451	1451	0.05	0.08	1.83	1479

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	2.86	2.4	22.2	19.9	0.03	0.92		0.92	0.84		0.84		3425	3425	0.14	0.03		3437
Demolition							0.75	0.75		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.08	0.07	0.61	0.55	< 0.005	0.03		0.03	0.02		0.02		93.8	93.8	< 0.005	< 0.005		94.2
Demolition							0.02	0.02		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.11	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		15.5	15.5	< 0.005	< 0.005		15.6
Demolition							< 0.005	< 0.005		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.06	0.06	0.67	0	0	0.15	0.15	0	0.04	0.04		151	151	< 0.005	0.01	0.02	153
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0.08	0.02	1.23	0.45	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06		637	637	0.06	0.1	0.03	669
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.25	4.25	< 0.005	< 0.005	0.01	4.31
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	68	32	10	5	1479	1.08	0.32

diesel PM 1.37

Yearly

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	5	2	0.45	0.14	1479	0.05	0.01

Fuel Calcs

Tons/year

Year	Gasoline	Diesel
2025	813.77	665.31

Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	17.5	17.5	< 0.005	< 0.005	0.02	18.3
Annual																	
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.7	0.7	< 0.005	< 0.005	< 0.005	0.71
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	2.89	2.89	< 0.005	< 0.005	< 0.005	3.04

3.3. Site Preparation (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.94	3.31	31.6	30.2	0.05	1.37		1.37	1.26		1.26		5295	5295	0.21	0.04		5314
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.08	0.06	0.61	0.58	< 0.005	0.03		0.03	0.02		0.02		102	102	< 0.005	< 0.005		102
Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.11	0.11	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.07	0.06	0.78	0	0	0.18	0.18	0	0.04	0.04		176	176	< 0.005	0.01	0.02	179
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.47	3.47	< 0.005	< 0.005	0.01	3.52
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.57	0.57	< 0.005	< 0.005	< 0.005	0.58
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.5. Grading (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.8	3.2	29.7	28.3	0.06	1.23		1.23	1.14		1.14		6599	6599	0.27	0.05		6622
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.21	0.18	1.63	1.55	< 0.005	0.07		0.07	0.06		0.06		362	362	0.01	< 0.005		363
Dust From Material Movement							0.2	0.2		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.04	0.03	0.3	0.28	< 0.005	0.01		0.01	0.01		0.01		59.9	59.9	< 0.005	< 0.005		60.1
Dust From Material Movement							0.04	0.04		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.08	0.08	0.07	0.89	0	0	0.2	0.2	0	0.05	0.05		202	202	< 0.005	0.01	0.02	204
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.05	0	0	0.01	0.01	0	< 0.005	< 0.005		11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.88	1.88	< 0.005	< 0.005	< 0.005	1.9
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Average Daily																	
Off-Road E	0.73	0.61	5.69	7.11	0.01	0.24		0.24	0.22		0.22	1307	1307	0.05	0.01		1312
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Off-Road E	0.13	0.11	1.04	1.3	< 0.005	0.04		0.04	0.04		0.04	216	216	0.01	< 0.005		217
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																	
Daily, Summer (Max)																	
Worker	3.89	3.57	2.46	50.9	0	0	8.54	8.54	0	2	2	9595	9595	0.15	0.34	36.8	9737
Vendor	0.4	0.16	6.58	2.44	0.02	0.05	0.95	1	0.05	0.26	0.3	3630	3630	0.24	0.54	9.44	3805
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																	
Worker	3.56	3.18	3.13	37.5	0	0	8.54	8.54	0	2	2	8518	8518	0.2	0.34	0.96	8626
Vendor	0.39	0.13	7.03	2.5	0.02	0.05	0.95	1	0.05	0.26	0.31	3628	3628	0.24	0.54	0.25	3794
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																	
Worker	1.93	1.74	1.52	20.9	0	0	4.55	4.55	0	1.06	1.06	4766	4766	0.09	0.19	8.66	4833
Vendor	0.22	0.08	3.78	1.34	0.01	0.03	0.51	0.54	0.03	0.14	0.17	1979	1979	0.13	0.29	2.22	2071
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	0.35	0.32	0.28	3.81	0	0	0.83	0.83	0	0.19	0.19	789	789	0.02	0.03	1.43	800
Vendor	0.04	0.02	0.69	0.24	< 0.005	0.01	0.09	0.1	0.01	0.03	0.03	328	328	0.02	0.05	0.37	343
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.9. Paving (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.95	0.8	7.45	9.98	0.01	0.35		0.35	0.32		0.32		1511	1511	0.06	0.01		1517
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.03	0.03	0.27	0.36	< 0.005	0.01		0.01	0.01		0.01		53.8	53.8	< 0.005	< 0.005		54
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.05	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		8.91	8.91	< 0.005	< 0.005		8.94
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.06	0.06	0.67	0	0	0.15	0.15	0	0.04	0.04		151	151	< 0.005	0.01	0.02	153
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	0.01	0.01	0	< 0.005	< 0.005		5.53	5.53	< 0.005	< 0.005	0.01	5.6
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.91	0.91	< 0.005	< 0.005	< 0.005	0.93
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.11. Architectural Coating (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.15	0.13	0.88	1.14	< 0.005	0.03		0.03	0.03		0.03		134	134	0.01	< 0.005		134
Architectural Coatings		882																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		4.39	4.39	< 0.005	< 0.005		4.4
Architectural Coatings		29																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.73	0.73	< 0.005	< 0.005		0.73
Architectural Coatings		5.29																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.71	0.64	0.63	7.5	0	0	1.71	1.71	0	0.4	0.4		1704	1704	0.04	0.07	0.19	1725
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Average Daily																	
Worker	0.02	0.02	0.02	0.25	0	0	0.05	0.05	0	0.01	0.01	57.5	57.5	< 0.005	< 0.005	0.1	58.3
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	< 0.005	< 0.005	< 0.005	0.05	0	0	0.01	0.01	0	< 0.005	< 0.005	9.52	9.52	< 0.005	< 0.005	0.02	9.65
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Demolition	Demolition	1/1/2025	1/14/2025	5	10	
Site Prepar	Site Prepar	1/15/2025	1/23/2025	5	7	
Grading	Grading	1/24/2025	2/20/2025	5	20	
Building Cc	Building Cc	2/21/2025	########	5	199	
Paving	Paving	########	########	5	13	
Architectur	Architectur	########	########	5	12	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor
Demolition	Rubber Tire	Diesel	Average	2	8	367	0.4
Demolition	Excavators	Diesel	Average	3	8	36	0.38
Demolition	Concrete/Ir	Diesel	Average	1	8	33	0.73
Site Prepar	Rubber Tire	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37

Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tire	Diesel	Average	1	8	367	0.4
Building Co	Forklifts	Diesel	Average	3	8	82	0.2
Building Co	Generator	Diesel	Average	1	8	14	0.74
Building Co	Cranes	Diesel	Average	1	7	367	0.29
Building Co	Welders	Diesel	Average	1	8	46	0.45
Building Co	Tractors/Lo	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Demolition				
Demolition	Worker	15	14.3	LDA,LDT1,LDT2
Demolition	Vendor		8.8	HHDT,MHDT
Demolition	Hauling	8.6	20	HHDT
Demolition	Onsite truck			HHDT
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Co	Worker	845	14.3	LDA,LDT1,LDT2
Building Co	Vendor	126	8.8	HHDT,MHDT
Building Co	Hauling	0	20	HHDT
Building Co	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	169	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redu	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	2282256	760752	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material Im	Material Ex	Acres Grad	Material De	Acres Paved (acres)
Demolition	0	0	0	7404	
Site Preparation			10.5	0	
Grading			60	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redu	PM2.5 Reduction
Water Expo	2	61	61

5.7. Construction Paving

Land Use	Area Paved	% Asphalt
Apartments Mid Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Ye	CO2	CH4	N2O
2025	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation Initial Acres	Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated

Biomass Cc	Initial Acres	Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different a

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity S	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity S	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures
7. Health and Equity Details
7.1. CalEnviroScreen 4.0 Scores
The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	40
AQ-PM	35.1
AQ-DPM	76.8
Drinking W	78.5
Lead Risk H	72.2
Pesticides	0
Toxic Relea	22.2
Traffic	82
Effect Indicators	
CleanUp Si	51.3
Groundwat	82.5
Haz Waste	10.2
Impaired W	43.8
Solid Waste	0
Sensitive Population	
Asthma	89.8
Cardio-vasc	78.3
Low Birth W	53.5
Socioeconomic Factor Indicators	
Education	87.3

Housing	99.3
Linguistic	93.9
Poverty	87.8
Unemployr	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	15.01347
Employed	17.64404
Median HI	2.065957
Education	
Bachelor's	23.94457
High schoo	100
Preschool e	52.58565
Transportation	
Auto Acces	6.351854
Active com	46.04132
Social	
2-parent h	26.27999
Voting	29.56499
Neighborhood	
Alcohol ava	31.10484
Park access	62.08136
Retail dens	73.19389
Supermark	94.25125
Tree canop	79.53291
Housing	
Homeowne	13.08867
Housing ha	6.108046
Low-inc ho	69.52393
Low-inc re	0.898242
Uncrowdec	24.76582
Health Outcomes	
Insured ad	41.04966
Arthritis	88
Asthma ER	8.1
High Blood	55
Cancer (ex	98
Asthma	2.1
Coronary H	86
Chronic Ob	29
Diagnosed	49
Life Expect	3.1
Cognitively	9.6
Physically	14
Heart Attac	14
Mental Hea	5
Chronic Kic	73
Obesity	10
Pedestrian	90
Physical He	19
Stroke	52
Health Risk Behaviors	
Binge Drink	70
Current Sm	1.9
No Leisure	17
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	11
Elderly	80
English Spe	12
Foreign-bo	66
Outdoor W	48
Climate Change Adaptive Capacity	
Impervious	20
Traffic Den	77
Traffic Acc	87
Other Indices	
Hardship	93
Other Decision Support	
2016 Votin	10

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract

CalEnviroSc	86
Healthy Pla	14
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possib	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	1/5th of project in 2025
Constructic	1/5th of project

ı four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
ssumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone after (2026)
Constructic	1/1/2026
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	1174	Dwelling U	37.5	1127040	327122		3287	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	5.38	67.77536	18.2	62.9	0.05	0.43	9.49	9.92	0.4	2.26	2.65		15362	15362	0.46	0.88	42.2	15677
Daily, Winter (Max)																		
Unmit.	4.81	67.77536	29.2	50.4	0.06	1.24	9.49	9.92	1.14	3.98	5.12		14307	14307	0.52	0.89	1.1	14588
Average Daily (Max)																		
Unmit.	3.02	31.7	13.2	31.2	0.03	0.36	5.5	5.86	0.33	1.38	1.71		8633	8633	0.3	0.5	10.1	8799
Annual (Max)																		
Unmit.	0.55	5.78	2.41	5.69	0.01	0.06	1	1.07	0.06	0.25	0.31		1429	1429	0.05	0.08	1.67	1457

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2026	5.38	67.77536	18.2	62.9	0.05	0.43	9.49	9.92	0.4	2.26	2.65		15362	15362	0.46	0.88	42.2	15677
Daily - Winter (Max)																		
2026	4.81	67.77536	29.2	50.4	0.06	1.24	9.49	9.92	1.14	3.98	5.12		14307	14307	0.52	0.89	1.1	14588
Average Daily																		
2026	3.02	31.7	13.2	31.2	0.03	0.36	5.5	5.86	0.33	1.38	1.71		8633	8633	0.3	0.5	10.1	8799
Annual																		
2026	0.55	5.78	2.41	5.69	0.01	0.06	1	1.07	0.06	0.25	0.31		1429	1429	0.05	0.08	1.67	1457

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	2.72	2.29	20.7	19	0.03	0.84		0.84	0.78		0.78		3427	3427	0.14	0.03		3438
Demolition							0.75	0.75		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.07	0.06	0.57	0.52	< 0.005	0.02		0.02	0.02		0.02		93.9	93.9	< 0.005	< 0.005		94.2
Demolition							0.02	0.02		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.01	0.01	0.1	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		15.5	15.5	< 0.005	< 0.005		15.6
Demolition							< 0.005	< 0.005		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.05	0.05	0.62	0	0	0.15	0.15	0	0.04	0.04		148	148	< 0.005	0.01	0.02	150
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0.07	0.02	1.17	0.44	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06		623	623	0.06	0.1	0.03	655
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.17	4.17	< 0.005	< 0.005	0.01	4.23
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		17.1	17.1	< 0.005	< 0.005	0.02	18
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.69	0.69	< 0.005	< 0.005	< 0.005	0.7
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		2.83	2.83	< 0.005	< 0.005	< 0.005	2.97

3.3. Site Preparation (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.74	3.14	29.2	28.8	0.05	1.24		1.24	1.14		1.14		5298	5298	0.21	0.04		5316
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.07	0.06	0.56	0.55	< 0.005	0.02		0.02	0.02		0.02		102	102	< 0.005	< 0.005		102

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2026	68	29	10	5	1457	1.07	0.31

diesel PM 1.24

	Off road	Vendor/haul
demo	15.6	2.97
SP	16.9	
Grading	60.1	
BC	217	336
Paving	8.94	
AC	0.73	
total		658.24

Yearly

Tons/year

Year	Gasoline	Diesel
2026	798.51	658.24

Fuel Calcs

Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.1	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.06	0.06	0.73	0	0	0.18	0.18	0	0.04	0.04		173	173	< 0.005		0.01	0.02	175
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.4	3.4	< 0.005	< 0.005	0.01	3.45
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.56	0.56	< 0.005	< 0.005	< 0.005	0.57
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0

3.5. Grading (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.62	3.04	27.2	27.6	0.06	1.12		1.12	1.03		1.03		6599	6599	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.2	0.17	1.49	1.51	< 0.005	0.06		0.06	0.06		0.06		362	362	0.01	< 0.005		363
Dust From Material Movement							0.2	0.2		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.04	0.03	0.27	0.28	< 0.005	0.01		0.01	0.01		0.01		59.9	59.9	< 0.005	< 0.005		60.1
Dust From Material Movement							0.04	0.04		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.07	0.07	0.83	0	0	0.2	0.2	0	0.05	0.05		198	198	< 0.005		0.01	0.02	200
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.05	0	0	0.01	0.01	0	< 0.005	< 0.005		11.1	11.1	< 0.005	< 0.005	0.02	11.3
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.84	1.84	< 0.005	< 0.005	< 0.005	1.87
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0

3.7. Building Construction (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.7	0.58	5.37	7.07	0.01	0.21		0.21	0.19		0.19		1307	1307	0.05	0.01		1311
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.13	0.11	0.98	1.29	< 0.005	0.04		0.04	0.03		0.03		216	216	0.01	< 0.005		217
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	3.73	3.38	2.18	47.6	0	0	8.54	8.54	0	2	2		9407	9407	0.13	0.32	33.6	9540
Vendor	0.37	0.13	6.15	2.34	0.02	0.05	0.95	1	0.05	0.26	0.3		3557	3557	0.24	0.54	8.57	3731
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	3.16	3.07	2.82	35	0	0	8.54	8.54	0	2	2		8355	8355	0.19	0.34	0.87	8462
Vendor	0.37	0.13	6.59	2.39	0.02	0.05	0.95	1	0.05	0.26	0.31		3556	3556	0.24	0.53	0.22	3721
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	1.7	1.66	1.35	19.5	0	0	4.55	4.55	0	1.06	1.06		4674	4674	0.09	0.19	7.92	4740
Vendor	0.2	0.07	3.53	1.3	0.01	0.03	0.51	0.54	0.03	0.14	0.16		1939	1939	0.13	0.29	2.01	2031
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.31	0.3	0.25	3.55	0	0	0.83	0.83	0	0.19	0.19		774	774	0.02	0.03	1.31	785
Vendor	0.04	0.01	0.64	0.24	< 0.005	0.01	0.09	0.1	< 0.005	0.03	0.03		321	321	0.02	0.05	0.33	336
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Paving (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.91	0.76	7.12	9.94	0.01	0.32		0.32	0.29		0.29		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Average Daily																	
Off-Road Ei	0.03	0.03	0.25	0.35	< 0.005	0.01		0.01	0.01		0.01	53.8	53.8	< 0.005	< 0.005		54
Paving		0															
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Off-Road Ei	0.01	< 0.005	0.05	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	8.91	8.91	< 0.005	< 0.005		8.94
Paving		0															
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																	
Daily, Summer (Max)																	
Daily, Winter (Max)																	
Worker	0.06	0.05	0.05	0.62	0	0	0.15	0.15	0	0.04	0.04	148	148	< 0.005	0.01	0.02	150
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																	
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	0.01	0.01	0	< 0.005	< 0.005	5.42	5.42	< 0.005	< 0.005	0.01	5.49
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.9	0.9	< 0.005	< 0.005	< 0.005	0.91
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.11. Architectural Coating (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	0.15	0.12	0.86	1.13	< 0.005	0.02		0.02	0.02		0.02	134	134	0.01	< 0.005		134
Architectural Coatings		882															
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road Ei	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	4.39	4.39	< 0.005	< 0.005		4.4	
Architectural Coatings		29																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road Ei	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0.73	0.73	< 0.005	< 0.005		0.73	
Architectural Coatings		5.29																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.63	0.61	0.56	7	0	0	1.71	1.71	0	0.4	0.4	1671	1671	0.04	0.07	0.17	1692	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	0.02	0.02	0.02	0.23	0	0	0.05	0.05	0	0.01	0.01	56.4	56.4	< 0.005	< 0.005	0.1	57.2	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005	9.33	9.33	< 0.005	< 0.005	0.02	9.46	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		

Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

5. Activity Data
5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Demolition	Demolition	1/1/2026	1/14/2026	5	10	
Site Prepar	Site Prepar	1/15/2026	1/23/2026	5	7	
Grading	Grading	1/24/2026	2/20/2026	5	20	
Building Cc	Building Cc	2/21/2026	########	5	199	
Paving	Paving	########	########	5	13	
Architectur	Architectur	########	########	5	12	

5.2. Off-Road Equipment
5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Demolition	Rubber Tir	Diesel	Average	2	8	367	0.4
Demolition	Excavators	Diesel	Average	3	8	36	0.38
Demolition	Concrete/I	Diesel	Average	1	8	33	0.73
Site Prepar	Rubber Tir	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tir	Diesel	Average	1	8	367	0.4
Building Cc	Forklifts	Diesel	Average	3	8	82	0.2
Building Cc	Generator	Diesel	Average	1	8	14	0.74
Building Cc	Cranes	Diesel	Average	1	7	367	0.29
Building Cc	Welders	Diesel	Average	1	8	46	0.45
Building Cc	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles
5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Demolition				
Demolition	Worker	15	14.3	LDA,LDT1,LDT2
Demolition	Vendor		8.8	HHDT,MHDT
Demolition	Hauling	8.6	20	HHDT
Demolition	Onsite truck			HHDT
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Cc	Worker	845	14.3	LDA,LDT1,LDT2
Building Cc	Vendor	126	8.8	HHDT,MHDT
Building Cc	Hauling	0	20	HHDT
Building Cc	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	169	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles
5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redı	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	2282256	760752	0	0	

5.6. Dust Mitigation
5.6.1. Construction Earthmoving Activities

Phase Nam	Material In	Material E>	Acres Grad	Material D	Acres Paved (acres)
Demolition	0	0	0	7404	
Site Preparation			10.5	0	
Grading			60	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redı	PM2.5 Reduction

Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Pavec	% Asphalt
Apartments Mid Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2026	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGl

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	40
AQ-PM	35.1
AQ-DPM	76.8
Drinking W	78.5
Lead Risk H	72.2
Pesticides	0
Toxic Relea	22.2
Traffic	82
Effect Indicators	
CleanUp Si	51.3
Groundwat	82.5
Haz Waste	10.2
Impaired W	43.8
Solid Wast	0
Sensitive Population	
Asthma	89.8
Cardio-vas	78.3
Low Birth W	53.5
Socioeconomic Factor Indicators	
Education	87.3
Housing	99.3
Linguistic	93.9
Poverty	87.8

Unemployr	81.7

7.2. Healthy Places Index Scores
The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	15.01347
Employed	17.64404
Median HI	2.065957
Education	
Bachelor's	23.94457
High schoo	100
Preschool e	52.58565
Transportation	
Auto Acces	6.351854
Active com	46.04132
Social	
2-parent ho	26.27999
Voting	29.56499
Neighborhood	
Alcohol ava	31.10484
Park access	62.08136
Retail dens	73.19389
Supermark	94.25125
Tree canop	79.53291
Housing	
Homeowne	13.08867
Housing ha	6.108046
Low-inc ho	69.52393
Low-inc ren	0.898242
Uncrowdec	24.76582
Health Outcomes	
Insured ad	41.04966
Arthritis	88
Asthma ER	8.1
High Blood	55
Cancer (exc	98
Asthma	2.1
Coronary H	86
Chronic Ob	29
Diagnosed	49
Life Expect	3.1
Cognitively	9.6
Physically	14
Heart Attac	14
Mental Hea	5
Chronic Kid	73
Obesity	10
Pedestrian	90
Physical He	19
Stroke	52
Health Risk Behaviors	
Binge Drink	70
Current Sm	1.9
No Leisure	17
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	11
Elderly	80
English Spe	12
Foreign-bo	66
Outdoor W	48
Climate Change Adaptive Capacity	
Impervious	20
Traffic Den	77
Traffic Acce	87
Other Indices	
Hardship	93
Other Decision Support	
2016 Votin	10

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	86
Healthy Pla	14
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification

Land Use 1/5th of project in 2025
Constructic 1/5th of project

The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
EM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone after (2027)
Constructic	1/1/2027
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	1174	Dwelling U	37.5	1127040	327122		3287	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	4.93	67.33825	17.3	60.1	0.05	0.39	9.49	9.88	0.36	2.26	2.62		15112	15112	0.44	0.85	38.2	15415
Daily, Winter (Max)																		
Unmit.	4.63	67.33825	28	48.1	0.06	1.17	9.49	9.88	1.08	3.98	5.06		14079	14079	0.5	0.87	0.99	14351
Average Daily (Max)																		
Unmit.	2.9	31.4	12.5	29.9	0.03	0.32	5.5	5.82	0.3	1.37	1.67		8490	8490	0.28	0.47	9.14	8648
Annual (Max)																		
Unmit.	0.53	5.73	2.28	5.45	0.01	0.06	1	1.06	0.05	0.25	0.3		1406	1406	0.05	0.08	1.51	1432

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2027	4.93	67.33825	17.3	60.1	0.05	0.39	9.49	9.88	0.36	2.26	2.62		15112	15112	0.44	0.85	38.2	15415
Daily - Winter (Max)																		
2027	4.63	67.33825	28	48.1	0.06	1.17	9.49	9.88	1.08	3.98	5.06		14079	14079	0.5	0.87	0.99	14351
Average Daily																		
2027	2.9	31.4	12.5	29.9	0.03	0.32	5.5	5.82	0.3	1.37	1.67		8490	8490	0.28	0.47	9.14	8648
Annual																		
2027	0.53	5.73	2.28	5.45	0.01	0.06	1	1.06	0.05	0.25	0.3		1406	1406	0.05	0.08	1.51	1432

3. Construction Emissions Details

3.1. Demolition (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	2.64	2.21	19.9	18.6	0.03	0.8		0.8	0.73		0.73		3427	3427	0.14	0.03		3439
Demolition							0.75	0.75		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.07	0.06	0.55	0.51	< 0.005	0.02		0.02	0.02		0.02		93.9	93.9	< 0.005	< 0.005		94.2
Demolition							0.02	0.02		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.1	0.09	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		15.5	15.5	< 0.005	< 0.005		15.6
Demolition							< 0.005	< 0.005		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.05	0.58	0	0	0.15	0.15	0	0.04	0.04		146	146	< 0.005	0.01	0.01	148
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0.07	0.02	1.11	0.42	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06		608	608	0.05	0.1	0.03	639
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.09	4.09	< 0.005	< 0.005	0.01	4.15
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		16.7	16.7	< 0.005	< 0.005	0.01	17.5
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.68	0.68	< 0.005	< 0.005	< 0.005	0.69
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		2.76	2.76	< 0.005	< 0.005	< 0.005	2.9

3.3. Site Preparation (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.63	3.05	28	28.3	0.05	1.17		1.17	1.08		1.08		5298	5298	0.21	0.04		5316
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.07	0.06	0.54	0.54	< 0.005	0.02		0.02	0.02		0.02		102	102	< 0.005	< 0.005		102
Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.1	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.06	0.06	0.68	0	0	0.18	0.18	0	0.04	0.04		170	170	< 0.005	0.01	0.02	172
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2027	67	28	10	5	1432	1.06	0.30

diesel PM 1.17

Yearly

Tons/year

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2027	67	28	10	5	1432	1.06	0.30

Fuel Calcs

Year	Gasoline	Diesel
2027	783.98	647.23

Average Daily																						
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.34	3.34	< 0.005	< 0.005	0.01	3.39				
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0				
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0				
Annual																						
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.55	0.55	< 0.005	< 0.005	< 0.005	0.56				
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0				
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0				

3.5. Grading (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.51	2.95	25.6	27.3	0.06	1.04		1.04	0.96		0.96		6598	6598	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.18	0.15	1.33	1.42	< 0.005	0.05		0.05	0.05		0.05		343	343	0.01	< 0.005		345
Dust From Material Movement							0.19	0.19		0.07	0.07							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.03	0.03	0.24	0.26	< 0.005	0.01		0.01	0.01		0.01		56.9	56.9	< 0.005	< 0.005		57.1
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.06	0.07	0.78	0	0	0.2	0.2	0	0.05	0.05		194	194	< 0.005	0.01	0.02	197
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005		10.4	10.4	< 0.005	< 0.005	0.02	10.5
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.72	1.72	< 0.005	< 0.005	< 0.005	1.74
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Building Construction (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.67	0.56	5.12	7.05	0.01	0.18		0.18	0.17		0.17		1307	1307	0.05	0.01		1311
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.12	0.1	0.93	1.29	< 0.005	0.03		0.03	0.03		0.03		216	216	0.01	< 0.005		217
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	3.33	3.27	2.14	44.9	0	0	8.54	8.54	0	2	2		9239	9239	0.13	0.32	30.5	9369
Vendor	0.37	0.13	5.78	2.27	0.02	0.05	0.95	1	0.05	0.26	0.3		3476	3476	0.21	0.51	7.69	3641
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	3.03	2.67	2.78	32.8	0	0	8.54	8.54	0	2	2		8207	8207	0.19	0.34	0.79	8314
Vendor	0.36	0.12	6.17	2.31	0.02	0.05	0.95	1	0.05	0.26	0.31		3475	3475	0.21	0.51	0.2	3632
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	1.64	1.46	1.33	18.3	0	0	4.55	4.55	0	1.06	1.06		4591	4591	0.08	0.18	7.19	4653
Vendor	0.2	0.07	3.3	1.24	0.01	0.03	0.51	0.53	0.03	0.14	0.16		1895	1895	0.12	0.28	1.81	1982
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.3	0.27	0.24	3.35	0	0	0.83	0.83	0	0.19	0.19		760	760	0.01	0.03	1.19	770
Vendor	0.04	0.01	0.6	0.23	< 0.005	< 0.005	0.09	0.1	< 0.005	0.03	0.03		314	314	0.02	0.05	0.3	328
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Paving (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.88	0.74	6.94	9.95	0.01	0.3		0.3	0.27		0.27		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.03	0.03	0.25	0.35	< 0.005	0.01		0.01	0.01		0.01		53.8	53.8	< 0.005	< 0.005		54
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	< 0.005	0.05	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		8.91	8.91	< 0.005	< 0.005		8.94
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.05	0.58	0	0	0.15	0.15	0	0.04	0.04		146	146	< 0.005	0.01	0.01	148
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	0.01	0.01	0	< 0.005	< 0.005		5.32	5.32	< 0.005	< 0.005	0.01	5.39
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.88	0.88	< 0.005	< 0.005	< 0.005	0.89
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.11. Architectural Coating (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E		0.14	0.11	0.83	1.13	< 0.005	0.02		0.02	0.02		0.02		134	134	0.01	< 0.005	134
Architectural Coatings			814															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
Average Daily																		
Off-Road E		< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		4.76	4.76	< 0.005	< 0.005	4.77
Architectural Coatings			29															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
Annual																		
Off-Road E		< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.79	0.79	< 0.005	< 0.005	0.79
Architectural Coatings			5.29															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker		0.61	0.53	0.56	6.57	0	0	1.71	1.71	0	0.4	0.4		1641	1641	0.04	0.07	0.16	1663
Vendor		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker		0.02	0.02	0.02	0.24	0	0	0.06	0.06	0	0.01	0.01		60	60	< 0.005	< 0.005	0.09	60.8
Vendor		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker		< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005		9.93	9.93	< 0.005	< 0.005	0.02	10.1
Vendor		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Demolition	Demolition	1/1/2027	########	5	10	
Site Prepar	Site Prepar	########	########	5	7	
Grading	Grading	########	########	5	19	
Building Co	Building Co	########	########	5	199	
Paving	Paving	########	########	5	13	
Architectur	Architectur	########	########	5	13	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Demolition	Rubber Tire	Diesel	Average	2	8	367	0.4
Demolition	Excavators	Diesel	Average	3	8	36	0.38
Demolition	Concrete/Ir	Diesel	Average	1	8	33	0.73
Site Prepar	Rubber Tire	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tire	Diesel	Average	1	8	367	0.4
Building Co	Forklifts	Diesel	Average	3	8	82	0.2
Building Co	Generator	Diesel	Average	1	8	14	0.74
Building Co	Cranes	Diesel	Average	1	7	367	0.29
Building Co	Welders	Diesel	Average	1	8	46	0.45
Building Co	Tractors/Lc	Diesel	Average	3	7	84	0.37

Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles
5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Demolition				
Demolition	Worker	15	14.3	LDA,LDT1,LDT2
Demolition	Vendor		8.8	HHDT,MHDT
Demolition	Hauling	8.6	20	HHDT
Demolition	Onsite truck			HHDT
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Co	Worker	845	14.3	LDA,LDT1,LDT2
Building Co	Vendor	126	8.8	HHDT,MHDT
Building Co	Hauling	0	20	HHDT
Building Co	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	169	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles
5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redu	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Residu	Non-Residu	Parking Area Coated (sq ft)
Architectur	2282256	760752	0	0	

5.6. Dust Mitigation
5.6.1. Construction Earthmoving Activities

Phase Nam	Material Im	Material Ex	Acres Grad	Material Di	Acres Paved (acres)
Demolition	0	0	0	7404	
Site Preparation			10.5	0	
Grading			57	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redu	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Paved	% Asphalt
Apartments Mid Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2027	0	375	0.01	< 0.005

5.18. Vegetation
5.18.1. Land Use Change
5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 mete
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average condi

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity S	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	40
AQ-PM	35.1
AQ-DPM	76.8
Drinking W	78.5
Lead Risk H	72.2
Pesticides	0
Toxic Relea	22.2
Traffic	82
Effect Indicators	
CleanUp Si	51.3
Groundwat	82.5
Haz Waste	10.2
Impaired W	43.8
Solid Waste	0
Sensitive Population	
Asthma	89.8
Cardio-vas	78.3
Low Birth W	53.5
Socioeconomic Factor Indicators	
Education	87.3
Housing	99.3
Linguistic	93.9
Poverty	87.8
Unemployr	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	15.01347
Employed	17.64404
Median HI	2.065957
Education	
Bachelor's	23.94457
High schoo	100
Preschool e	52.58565
Transportation	
Auto Acces	6.351854
Active com	46.04132
Social	
2-parent h	26.27999
Voting	29.56499
Neighborhood	
Alcohol ava	31.10484
Park acces	62.08136
Retail dens	73.19389
Supermark	94.25125
Tree canop	79.53291
Housing	
Homeowne	13.08867
Housing ha	6.108046
Low-inc ho	69.52393
Low-inc re	0.898242
Uncrowdec	24.76582
Health Outcomes	
Insured ad	41.04966
Arthritis	88
Asthma ER	8.1
High Blood	55
Cancer (ex	98
Asthma	2.1
Coronary H	86
Chronic Ob	29
Diagnosed	49
Life Expect	3.1
Cognitively	9.6
Physically	14
Heart Atta	14
Mental He	5
Chronic Kic	73
Obesity	10
Pedestrian	90
Physical He	19
Stroke	52
Health Risk Behaviors	
Binge Drin	70
Current Sm	1.9
No Leisure	17
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	11
Elderly	80

English Spe	12
Foreign-bo	66
Outdoor W	48
Climate Change Adaptive Capacity	
Impervious	20
Traffic Den	77
Traffic Acce	87
Other Indices	
Hardship	93
Other Decision Support	
2016 Votin	10

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	86
Healthy Pla	14
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possib	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	1/5th of project in 2025
Constructic	1/5th of project

:r, 1.41 meters
tions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone after (2028)
Constructic	1/1/2028
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	1174	Dwelling U	37.5	1127040	327122		3287	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	4.74	67.98561	16.2	57.2	0.05	0.35	9.49	9.84	0.32	2.26	2.58		14830	14830	0.42	0.58	34.4	15049
Daily, Winter (Max)																		
Unmit.	4.46	67.98561	27.5	46.2	0.06	1.14	9.49	9.84	1.05	3.98	5.03		13819	13819	0.48	0.87	0.89	14091
Average Daily (Max)																		
Unmit.	2.8	31.3	11.8	28.6	0.03	0.3	5.48	5.77	0.27	1.37	1.65		8319	8319	0.28	0.47	8.2	8475
Annual (Max)																		
Unmit.	0.51	5.72	2.15	5.22	0.01	0.05	1	1.05	0.05	0.25	0.3		1377	1377	0.05	0.08	1.36	1403

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2028	4.74	67.98561	16.2	57.2	0.05	0.35	9.49	9.84	0.32	2.26	2.58		14830	14830	0.42	0.58	34.4	15049
Daily - Winter (Max)																		
2028	4.46	67.98561	27.5	46.2	0.06	1.14	9.49	9.84	1.05	3.98	5.03		13819	13819	0.48	0.87	0.89	14091
Average Daily																		
2028	2.8	31.3	11.8	28.6	0.03	0.3	5.48	5.77	0.27	1.37	1.65		8319	8319	0.28	0.47	8.2	8475
Annual																		
2028	0.51	5.72	2.15	5.22	0.01	0.05	1	1.05	0.05	0.25	0.3		1377	1377	0.05	0.08	1.36	1403

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	2.61	2.19	19.6	18.7	0.03	0.78		0.78	0.71		0.71		3429	3429	0.14	0.03		3440
Demolition							0.75	0.75		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.07	0.06	0.54	0.51	< 0.005	0.02		0.02	0.02		0.02		93.9	93.9	< 0.005	< 0.005		94.3
Demolition							0.02	0.02		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.1	0.09	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		15.6	15.6	< 0.005	< 0.005		15.6
Demolition							< 0.005	< 0.005		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.04	0.55	0	0	0.15	0.15	0	0.04	0.04		143	143	< 0.005	0.01	0.01	145
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0.07	0.02	1.05	0.41	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06		592	592	0.05	0.09	0.03	621
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.01	4.01	< 0.005	< 0.005	0.01	4.06
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		16.2	16.2	< 0.005	< 0.005	0.01	17
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.66	0.66	< 0.005	< 0.005	< 0.005	0.67
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		2.69	2.69	< 0.005	< 0.005	< 0.005	2.82

3.3. Site Preparation (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.61	3.04	27.5	28.4	0.05	1.14		1.14	1.05		1.05		5300	5300	0.21	0.04		5318
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.07	0.06	0.53	0.54	< 0.005	0.02		0.02	0.02		0.02		102	102	< 0.005	< 0.005		102
Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.1	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.05	0.05	0.64	0	0	0.18	0.18	0	0.04	0.04		166	166	< 0.005	0.01	0.01	169
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2028	68	28	10	5	1403	1.05	0.30

diesel PM 1.14

Yearly

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5

Fuel Calcs

Tons/year

Year	Gasoline	Diesel
2028	763.98	639.09

Average Daily																					
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	3.28	3.28	< 0.005	< 0.005	< 0.005	3.32				
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Annual																					
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.54	0.54	< 0.005	< 0.005	< 0.005	0.55				
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

3.5. Grading (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.43	2.88	24.3	27.2	0.06	0.99		0.99	0.91		0.91		6598	6598	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.19	0.16	1.33	1.49	< 0.005	0.05		0.05	0.05		0.05		362	362	0.01	< 0.005		363
Dust From Material Movement							0.2	0.2		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.03	0.03	0.24	0.27	< 0.005	0.01		0.01	0.01		0.01		59.9	59.9	< 0.005	< 0.005		60.1
Dust From Material Movement							0.04	0.04		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.06	0.06	0.73	0	0	0.2	0.2	0	0.05	0.05		190	190	< 0.005	0.01	0.02	193
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005		10.7	10.7	< 0.005	< 0.005	0.02	10.8
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.77	1.77	< 0.005	< 0.005	< 0.005	1.79
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Building Construction (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.18	0.99	8.92	12.9	0.02	0.3		0.3	0.28		0.28		2397	2397	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.18	0.99	8.92	12.9	0.02	0.3		0.3	0.28		0.28		2397	2397	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.64	0.54	4.84	7.02	0.01	0.16		0.16	0.15		0.15		1301	1301	0.05	0.01		1305
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.12	0.1	0.88	1.28	< 0.005	0.03		0.03	0.03		0.03		215	215	0.01	< 0.005		216
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	3.22	2.89	1.85	42.1	0	0	8.54	8.54	0	2	2		9049	9049	0.11	0.06	27.6	9096
Vendor	0.34	0.13	5.4	2.17	0.02	0.05	0.95	1	0.05	0.26	0.3		3383	3383	0.21	0.51	6.82	3547
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	2.94	2.6	2.48	31	0	0	8.54	8.54	0	2	2		8039	8039	0.17	0.34	0.72	8145
Vendor	0.34	0.12	5.77	2.23	0.02	0.05	0.95	1	0.05	0.26	0.3		3383	3383	0.21	0.51	0.18	3540
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	1.58	1.41	1.17	17.2	0	0	4.52	4.52	0	1.06	1.06		4475	4475	0.08	0.17	6.47	4535
Vendor	0.18	0.07	3.08	1.19	0.01	0.03	0.51	0.53	0.03	0.14	0.16		1835	1835	0.11	0.28	1.6	1922
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.29	0.26	0.21	3.13	0	0	0.83	0.83	0	0.19	0.19		741	741	0.01	0.03	1.07	751
Vendor	0.03	0.01	0.56	0.22	< 0.005	< 0.005	0.09	0.1	< 0.005	0.02	0.03		304	304	0.02	0.05	0.27	318
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Paving (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.82	0.69	6.63	9.91	0.01	0.26		0.26	0.24		0.24		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.03	0.02	0.24	0.35	< 0.005	0.01		0.01	0.01		0.01		53.8	53.8	< 0.005	< 0.005		54
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		8.91	8.91	< 0.005	< 0.005		8.94
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.04	0.55	0	0	0.15	0.15	0	0.04	0.04		143	143	< 0.005	0.01	0.01	145
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	0.01	0.01	0	< 0.005	< 0.005		5.21	5.21	< 0.005	< 0.005	0.01	5.28
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.86	0.86	< 0.005	< 0.005	< 0.005	0.87
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.11. Architectural Coating (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E		0.13	0.11	0.81	1.12	< 0.005	0.02		0.02	0.01		0.01		134	134	0.01	< 0.005		134
Architectural Coatings			882															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E		< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		4.39	4.39	< 0.005	< 0.005		4.4
Architectural Coatings			29															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E		< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.73	0.73	< 0.005	< 0.005		0.73
Architectural Coatings			5.29															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker		0.59	0.52	0.5	6.2	0	0	1.71	1.71	0	0.4	0.4		1608	1608	0.03	0.07	0.14	1629
Vendor		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker		0.02	0.02	0.01	0.21	0	0	0.05	0.05	0	0.01	0.01		54.2	54.2	< 0.005	< 0.005	0.08	55
Vendor		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker		< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005		8.98	8.98	< 0.005	< 0.005	0.01	9.1
Vendor		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Demolition	Demolition	1/1/2028	########	5	10	
Site Prepar	Site Prepar	########	########	5	7	
Grading	Grading	########	########	5	20	
Building Co	Building Co	########	########	5	198	
Paving	Paving	########	########	5	13	
Architectur	Architectur	########	########	5	12	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Demolition	Rubber Tire	Diesel	Average	2	8	367	0.4
Demolition	Excavators	Diesel	Average	3	8	36	0.38
Demolition	Concrete/Ir	Diesel	Average	1	8	33	0.73
Site Prepar	Rubber Tire	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tire	Diesel	Average	1	8	367	0.4
Building Co	Forklifts	Diesel	Average	3	8	82	0.2
Building Co	Generator	Diesel	Average	1	8	14	0.74
Building Co	Cranes	Diesel	Average	1	7	367	0.29
Building Co	Welders	Diesel	Average	1	8	46	0.45
Building Co	Tractors/Lc	Diesel	Average	3	7	84	0.37

Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles
5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Demolition				
Demolition	Worker	15	14.3	LDA,LDT1,LDT2
Demolition	Vendor		8.8	HHDT,MHDT
Demolition	Hauling	8.6	20	HHDT
Demolition	Onsite truck			HHDT
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Co	Worker	845	14.3	LDA,LDT1,LDT2
Building Co	Vendor	126	8.8	HHDT,MHDT
Building Co	Hauling	0	20	HHDT
Building Co	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	169	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles
5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redu	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Residc	Non-Residc	Parking Area Coated (sq ft)
Architectur	2282256	760752	0	0	

5.6. Dust Mitigation
5.6.1. Construction Earthmoving Activities

Phase Nam	Material Im	Material Ex	Acres Grad	Material Dı	Acres Paved (acres)
Demolition	0	0	0	7404	
Site Preparation			10.5	0	
Grading			60	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redu	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Paved	% Asphalt
Apartments Mid Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2028	0	375	0.01	< 0.005

5.18. Vegetation
5.18.1. Land Use Change
5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 m
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (Ca

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity S	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	40
AQ-PM	35.1
AQ-DPM	76.8
Drinking W	78.5
Lead Risk H	72.2
Pesticides	0
Toxic Relea	22.2
Traffic	82
Effect Indicators	
CleanUp Si	51.3
Groundwat	82.5
Haz Waste	10.2
Impaired W	43.8
Solid Waste	0
Sensitive Population	
Asthma	89.8
Cardio-vas	78.3
Low Birth W	53.5
Socioeconomic Factor Indicators	
Education	87.3
Housing	99.3
Linguistic	93.9
Poverty	87.8
Unemployr	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	15.01347
Employed	17.64404
Median HI	2.065957
Education	
Bachelor's	23.94457
High schoo	100
Preschool e	52.58565
Transportation	
Auto Acces	6.351854
Active com	46.04132
Social	
2-parent h	26.27999
Voting	29.56499
Neighborhood	
Alcohol ava	31.10484
Park acces	62.08136
Retail dens	73.19389
Supermark	94.25125
Tree canop	79.53291
Housing	
Homeowne	13.08867
Housing ha	6.108046
Low-inc ho	69.52393
Low-inc re	0.898242
Uncrowdec	24.76582
Health Outcomes	
Insured ad	41.04966
Arthritis	88
Asthma ER	8.1
High Blood	55
Cancer (ex	98
Asthma	2.1
Coronary H	86
Chronic Ob	29
Diagnosed	49
Life Expect	3.1
Cognitively	9.6
Physically	14
Heart Atta	14
Mental He	5
Chronic Kic	73
Obesity	10
Pedestrian	90
Physical He	19
Stroke	52
Health Risk Behaviors	
Binge Drin	70
Current Sm	1.9
No Leisure	17
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	11
Elderly	80

English Spe	12
Foreign-bo	66
Outdoor W	48
Climate Change Adaptive Capacity	
Impervious	20
Traffic Den	77
Traffic Acce	87
Other Indices	
Hardship	93
Other Decision Support	
2016 Votin	10

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	86
Healthy Pla	14
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possib	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	1/5th of project in 2025
Constructio	1/5th of project

ıeters
nESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information
1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone after (2029)
Constructic	1/1/2029
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	1174	Dwelling U	37.5	1127040	327122		3287	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary
2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	4.56	67.69861	15.4	54.7	0.05	0.32	9.49	9.82	0.3	2.26	2.56		14566	14566	0.42	0.56	30.7	14774
Daily, Winter (Max)																		
Unmit.	4.27	67.69861	26	44.2	0.06	1.09	9.49	9.82	1	3.98	4.98		13576	13576	0.47	0.85	0.79	13840
Average Daily (Max)																		
Unmit.	2.72	31.2	11.1	27.7	0.03	0.28	5.5	5.78	0.26	1.38	1.63		8221	8221	0.27	0.46	7.33	8372
Annual (Max)																		
Unmit.	0.5	5.7	2.03	5.05	0.01	0.05	1	1.05	0.05	0.25	0.3		1361	1361	0.04	0.08	1.21	1386

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2029	4.56	67.69861	15.4	54.7	0.05	0.32	9.49	9.82	0.3	2.26	2.56		14566	14566	0.42	0.56	30.7	14774
Daily - Winter (Max)																		
2029	4.27	67.69861	26	44.2	0.06	1.09	9.49	9.82	1	3.98	4.98		13576	13576	0.47	0.85	0.79	13840
Average Daily																		
2029	2.72	31.2	11.1	27.7	0.03	0.28	5.5	5.78	0.26	1.38	1.63		8221	8221	0.27	0.46	7.33	8372
Annual																		
2029	0.5	5.7	2.03	5.05	0.01	0.05	1	1.05	0.05	0.25	0.3		1361	1361	0.04	0.08	1.21	1386

3. Construction Emissions Details
3.1. Demolition (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	2.55	2.14	18.6	18.5	0.03	0.74		0.74	0.68		0.68		3427	3427	0.14	0.03		3439
Demolition							0.75	0.75		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.07	0.06	0.51	0.51	< 0.005	0.02		0.02	0.02		0.02		93.9	93.9	< 0.005	< 0.005		94.2
Demolition							0.02	0.02		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.09	0.09	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		15.5	15.5	< 0.005	< 0.005		15.6
Demolition							< 0.005	< 0.005		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.04	0.04	0.52	0	0	0.15	0.15	0	0.04	0.04		140	140	< 0.005	0.01	0.01	142
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0.06	0.02	0.99	0.4	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05		575	575	0.05	0.09	0.03	604
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.94	3.94	< 0.005	< 0.005	0.01	3.99
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		15.7	15.7	< 0.005	< 0.005	0.01	16.6
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.65	0.65	< 0.005	< 0.005	< 0.005	0.66
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		2.61	2.61	< 0.005	< 0.005	< 0.005	2.74

3.3. Site Preparation (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.53	2.97	25.9	28.1	0.05	1.09		1.09	1		1		5296	5296	0.21	0.04		5314
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.07	0.06	0.5	0.54	< 0.005	0.02		0.02	0.02		0.02		102	102	< 0.005	< 0.005		102
Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.09	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.05	0.05	0.6	0	0	0.18	0.18	0	0.04	0.04		163	163	< 0.005	0.01	0.01	166
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2029	68	26	10	5	1386	1.05	0.30

diesel PM 1.09

Yearly

Tons/year

Year	Gasoline	Diesel
2029	753.76	631.91

Fuel Calcs

Average Daily																						
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.22	3.22	< 0.005	< 0.005	< 0.005	3.26				
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0				
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0				
Annual																						
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.53	0.53	< 0.005	< 0.005	< 0.005	0.54				
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0				
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0				

3.5. Grading (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.32	2.79	22.7	26.9	0.06	0.92		0.92	0.84		0.84		6596	6596	0.27	0.05		6619
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.18	0.15	1.25	1.47	< 0.005	0.05		0.05	0.05		0.05		361	361	0.01	< 0.005		363
Dust From Material Movement							0.2	0.2		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.03	0.03	0.23	0.27	< 0.005	0.01		0.01	0.01		0.01		59.8	59.8	< 0.005	< 0.005		60
Dust From Material Movement							0.04	0.04		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.06	0.05	0.69	0	0	0.2	0.2	0	0.05	0.05		187	187	< 0.005	0.01	0.02	189
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005		10.5	10.5	< 0.005	< 0.005	0.01	10.6
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.74	1.74	< 0.005	< 0.005	< 0.005	1.76
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Building Construction (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.15	0.97	8.58	12.9	0.02	0.28		0.28	0.25		0.25		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.15	0.97	8.58	12.9	0.02	0.28		0.28	0.25		0.25		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.63	0.53	4.68	7.03	0.01	0.15		0.15	0.14		0.14		1307	1307	0.05	0.01		1311
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.11	0.1	0.85	1.28	< 0.005	0.03		0.03	0.03		0.03		216	216	0.01	< 0.005		217
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	3.09	2.76	1.82	39.7	0	0	8.54	8.54	0	2	2		8886	8886	0.11	0.06	24.8	8931
Vendor	0.32	0.1	5.04	2.09	0.02	0.05	0.95	1	0.05	0.26	0.3		3283	3283	0.21	0.48	5.95	3438
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	2.81	2.47	2.2	29.2	0	0	8.54	8.54	0	2	2		7896	7896	0.17	0.34	0.64	8002
Vendor	0.31	0.1	5.4	2.15	0.02	0.05	0.95	1	0.05	0.26	0.3		3283	3283	0.21	0.48	0.15	3433
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	1.54	1.35	1.01	16.3	0	0	4.55	4.55	0	1.06	1.06		4417	4417	0.07	0.18	5.82	4477
Vendor	0.17	0.06	2.89	1.15	0.01	0.03	0.51	0.53	0.03	0.14	0.16		1790	1790	0.11	0.26	1.4	1873
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.28	0.25	0.18	2.98	0	0	0.83	0.83	0	0.19	0.19		731	731	0.01	0.03	0.96	741
Vendor	0.03	0.01	0.53	0.21	< 0.005	< 0.005	0.09	0.1	< 0.005	0.03	0.03		296	296	0.02	0.04	0.23	310
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Paving (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.8	0.67	6.46	9.92	0.01	0.24		0.24	0.22		0.22		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.03	0.02	0.23	0.35	< 0.005	0.01		0.01	0.01		0.01		53.8	53.8	< 0.005	< 0.005		54
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		8.91	8.91	< 0.005	< 0.005		8.94
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.04	0.04	0.52	0	0	0.15	0.15	0	0.04	0.04		140	140	< 0.005	0.01	0.01	142
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	0.01	0.01	0	< 0.005	< 0.005		5.12	5.12	< 0.005	< 0.005	0.01	5.19
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.85	0.85	< 0.005	< 0.005	< 0.005	0.86
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.11. Architectural Coating (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.12	0.1	0.79	1.11	< 0.005	0.01		0.01	0.01		0.01		134	134	0.01	< 0.005		134
Architectural Coatings		882																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		4.39	4.39	< 0.005	< 0.005		4.4
Architectural Coatings		29																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.73	0.73	< 0.005	< 0.005		0.73
Architectural Coatings		5.29																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.56	0.49	0.44	5.83	0	0	1.71	1.71	0	0.4	0.4		1579	1579	0.03	0.07	0.13	1600
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.02	0.02	0.01	0.2	0	0	0.05	0.05	0	0.01	0.01		53.3	53.3	< 0.005	< 0.005	0.07	54
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005		8.82	8.82	< 0.005	< 0.005	0.01	8.94
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Demolition	Demolition	1/1/2029	########	5	10	
Site Prepar	Site Prepar	########	########	5	7	
Grading	Grading	########	########	5	20	
Building Co	Building Co	########	########	5	199	
Paving	Paving	########	########	5	13	
Architectur	Architectur	########	########	5	12	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Demolition	Rubber Tire	Diesel	Average	2	8	367	0.4
Demolition	Excavators	Diesel	Average	3	8	36	0.38
Demolition	Concrete/Ir	Diesel	Average	1	8	33	0.73
Site Prepar	Rubber Tire	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tire	Diesel	Average	1	8	367	0.4
Building Co	Forklifts	Diesel	Average	3	8	82	0.2
Building Co	Generator	Diesel	Average	1	8	14	0.74
Building Co	Cranes	Diesel	Average	1	7	367	0.29
Building Co	Welders	Diesel	Average	1	8	46	0.45
Building Co	Tractors/Lc	Diesel	Average	3	7	84	0.37

Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles
5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Demolition				
Demolition	Worker	15	14.3	LDA,LDT1,LDT2
Demolition	Vendor		8.8	HHDT,MHDT
Demolition	Hauling	8.6	20	HHDT
Demolition	Onsite truck			HHDT
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Co	Worker	845	14.3	LDA,LDT1,LDT2
Building Co	Vendor	126	8.8	HHDT,MHDT
Building Co	Hauling	0	20	HHDT
Building Co	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	169	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles
5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redu	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Residc	Non-Residc	Parking Area Coated (sq ft)
Architectur	2282256	760752	0	0	

5.6. Dust Mitigation
5.6.1. Construction Earthmoving Activities

Phase Nam	Material Im	Material Ex	Acres Grad	Material Dı	Acres Paved (acres)
Demolition	0	0	0	7404	
Site Preparation			10.5	0	
Grading			60	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redu	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Paved	% Asphalt
Apartments Mid Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2029	0	375	0.01	< 0.005

5.18. Vegetation
5.18.1. Land Use Change
5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 met
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanE

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity S	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	40
AQ-PM	35.1
AQ-DPM	76.8
Drinking W	78.5
Lead Risk H	72.2
Pesticides	0
Toxic Relea	22.2
Traffic	82
Effect Indicators	
CleanUp Si	51.3
Groundwat	82.5
Haz Waste	10.2
Impaired W	43.8
Solid Waste	0
Sensitive Population	
Asthma	89.8
Cardio-vas	78.3
Low Birth W	53.5
Socioeconomic Factor Indicators	
Education	87.3
Housing	99.3
Linguistic	93.9
Poverty	87.8
Unemployr	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	15.01347
Employed	17.64404
Median HI	2.065957
Education	
Bachelor's	23.94457
High schoo	100
Preschool e	52.58565
Transportation	
Auto Acces	6.351854
Active com	46.04132
Social	
2-parent h	26.27999
Voting	29.56499
Neighborhood	
Alcohol ava	31.10484
Park acces	62.08136
Retail dens	73.19389
Supermark	94.25125
Tree canop	79.53291
Housing	
Homeowne	13.08867
Housing ha	6.108046
Low-inc ho	69.52393
Low-inc re	0.898242
Uncrowdec	24.76582
Health Outcomes	
Insured ad	41.04966
Arthritis	88
Asthma ER	8.1
High Blood	55
Cancer (ex	98
Asthma	2.1
Coronary H	86
Chronic Ob	29
Diagnosed	49
Life Expect	3.1
Cognitively	9.6
Physically	14
Heart Atta	14
Mental He	5
Chronic Kic	73
Obesity	10
Pedestrian	90
Physical He	19
Stroke	52
Health Risk Behaviors	
Binge Drin	70
Current Sm	1.9
No Leisure	17
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	11
Elderly	80

English Spe	12
Foreign-bo	66
Outdoor W	48
Climate Change Adaptive Capacity	
Impervious	20
Traffic Den	77
Traffic Acce	87
Other Indices	
Hardship	93
Other Decision Support	
2016 Votin	10

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	86
Healthy Pla	14
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possib	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	1/5th of project in 2025
Constructio	1/5th of project

:ers
:SM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone Fair Oaks (rezoned)
Constructic	1/1/2025
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3.5
Precipitatic	39.2
Location	38.637469230516956, -121.32836613666706
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	619
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreage	Building Ar	Landscape	Special Lan	Population	Description
Apartment	37	Dwelling U	1.25	35520	10890		104	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	1.42	4.394737	9.23	11.7	0.02	0.33	0.3	0.63	0.3	0.07	0.37		2218	2218	0.09	0.04	1.46	2234
Daily, Winter (Max)																		
Unmit.	1.84	4.394737	14.1	15	0.02	0.64	2.86	3.51	0.59	1.36	1.95		2555	2555	0.1	0.04	0.04	2565
Average Daily (Max)																		
Unmit.	0.41	1.26	2.72	3.33	0.01	0.1	0.1	0.2	0.09	0.03	0.12		638	638	0.02	0.01	0.18	643
Annual (Max)																		
Unmit.	0.07	0.015132	0.5	0.61	< 0.005	0.02	0.02	0.04	0.02	0.01	0.02		106	106	< 0.005	< 0.005	0.03	106

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	1.42	4.394737	9.23	11.7	0.02	0.33	0.3	0.63	0.3	0.07	0.37		2218	2218	0.09	0.04	1.46	2234
Daily - Winter (Max)																		
2025	1.84	4.394737	14.1	15	0.02	0.64	2.86	3.51	0.59	1.36	1.95		2555	2555	0.1	0.04	0.04	2565
Average Daily																		
2025	0.41	1.26	2.72	3.33	0.01	0.1	0.1	0.2	0.09	0.03	0.12		638	638	0.02	0.01	0.18	643
Annual																		
2025	0.07	0.015132	0.5	0.61	< 0.005	0.02	0.02	0.04	0.02	0.01	0.02		106	106	< 0.005	< 0.005	0.03	106

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	1.56	1.31	12.1	12.1	0.02	0.56		0.56	0.52		0.52		2065	2065	0.08	0.02		2072
Dust From Material Movement							2.44	2.44		1.17	1.17							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		5.66	5.66	< 0.005	< 0.005		5.68
Dust From Material Movement							0.01	0.01		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.94	0.94	< 0.005	< 0.005		0.94
Dust From Material Movement							< 0.005	< 0.005		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.03	0.03	0.03	0.33	0	0	0.08	0.08	0	0.02	0.02		75.6	75.6	< 0.005	< 0.005	0.01	76.5
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.3. Grading (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	1.8	1.51	14.1	14.5	0.02	0.64		0.64	0.59		0.59		2455	2455	0.1	0.02		2463
Dust From Material Movement							2.76	2.76		1.34	1.34							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.01	0.01	0.08	0.08	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		13.5	13.5	< 0.005	< 0.005		13.5

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	4	14	4	2	106	0.04	0.02

diesel PM 0.64

Yearly

Tons/year

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	4	14	4	2	106	0.04	0.02

Emissions per Capita

ROG	NOx	PM10	PM2.5	CO2
0.042	0.136	0.034	0.019	1.01923

Fuel Calcs

Note: gasoline = worker emissions; Diesel = vendor + offroad eq

Year	Gasoline	Diesel
2025	13.27	93.16

Dust From Material Movement							0.02	0.02		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	2.23	2.23	< 0.005	< 0.005			2.23
Dust From Material Movement							< 0.005	< 0.005		< 0.005	< 0.005							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.04	0.04	0.04	0.44	0	0	0.1	0.1	0	0.02	0.02	101	101	< 0.005	< 0.005	0.01	102	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.57	0.57	< 0.005	< 0.005	< 0.005	0.57	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.09	0.09	< 0.005	< 0.005	< 0.005	0.1	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

3.5. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.28	1.07	8.95	10	0.02	0.33		0.33	0.3		0.3		1801	1801	0.07	0.01		1807
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.28	1.07	8.95	10	0.02	0.33		0.33	0.3		0.3		1801	1801	0.07	0.01		1807
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.35	0.29	2.45	2.75	0.01	0.09		0.09	0.08		0.08		493	493	0.02	< 0.005		495
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.06	0.05	0.45	0.5	< 0.005	0.02		0.02	0.02		0.02		81.7	81.7	< 0.005	< 0.005		82
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	0.12	0.11	0.08	1.61	0	0	0.27	0.27	0	0.06	0.06		302	302	< 0.005	0.01	1.16	307
Vendor	0.01	< 0.005	0.21	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01		114	114	0.01	0.02	0.3	120
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	0.11	0.1	0.1	1.18	0	0	0.27	0.27	0	0.06	0.06		268	268	0.01	0.01	0.03	272
Vendor	0.01	< 0.005	0.22	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01		114	114	0.01	0.02	0.01	120
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.03	0.03	0.02	0.33	0	0	0.07	0.07	0	0.02	0.02		75.5	75.5	< 0.005	< 0.005	0.14	76.5
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005		31.3	31.3	< 0.005	< 0.005	0.04	32.8
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.01	0.01	< 0.005	0.06	0	0	0.01	0.01	0	< 0.005	< 0.005		12.5	12.5	< 0.005	< 0.005	0.02	12.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		5.19	5.19	< 0.005	< 0.005	0.01	5.43
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Paving (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	0.59	0.49	4.63	6.5	0.01	0.2		0.2	0.19		0.19		992	992	0.04	0.01		995
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road E	0.01	0.01	0.06	0.09	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		13.6	13.6	< 0.005	< 0.005		13.6
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		2.25	2.25	< 0.005	< 0.005		2.26
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	0.06	0.05	0.04	0.75	0	0	0.13	0.13	0	0.03	0.03		142	142	< 0.005	0.01	0.54	144
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.77	1.77	< 0.005	< 0.005	< 0.005	1.8
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.29	0.29	< 0.005	< 0.005	< 0.005	0.3
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Architectural Coating (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	0.15	0.13	0.88	1.14	< 0.005	0.03		0.03	0.03		0.03		134	134	0.01	< 0.005		134
Architectural Coatings		66.7																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		

Average Daily																		
Off-Road Ei	< 0.005	< 0.005		0.01	0.02	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		1.83	1.83	< 0.005	< 0.005		1.84
Architectural Coatings		0.91																
Onsite truc	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road Ei	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.3	0.3	< 0.005	< 0.005		0.3
Architectural Coatings		0.17																
Onsite truc	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	0.02	0.02		0.02	0.32	0	0	0.05	0.05	0	0.01	0.01		60.5	60.5	< 0.005	< 0.005	0.23	61.4
Vendor	0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Worker	< 0.005	< 0.005		< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.75	0.75	< 0.005	< 0.005	< 0.005	0.77
Vendor	0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005		< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Vendor	0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0		0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	1/1/2025	1/1/2025	5	1	
Grading	Grading	1/2/2025	1/3/2025	5	2	
Building Cc	Building Cc	1/4/2025	5/23/2025	5	100	
Paving	Paving	5/24/2025	5/30/2025	5	5	
Architectur	Architectur	5/31/2025	6/6/2025	5	5	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Graders	Diesel	Average	1	8	148	0.41
Site Prepar	Tractors/Lc	Diesel	Average	1	8	84	0.37
Site Prepar	Rubber Tire	Diesel	Average	1	7	367	0.4
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Rubber Tire	Diesel	Average	1	8	367	0.4
Grading	Tractors/Lc	Diesel	Average	2	7	84	0.37
Building Cc	Cranes	Diesel	Average	1	6	367	0.29
Building Cc	Forklifts	Diesel	Average	1	6	82	0.2
Building Cc	Tractors/Lc	Diesel	Average	1	6	84	0.37
Building Cc	Generator	Diesel	Average	1	8	14	0.74
Building Cc	Welders	Diesel	Average	3	8	46	0.45

Paving	Tractors/Lc	Diesel	Average	1	8	84	0.37
Paving	Cement an	Diesel	Average	1	6	10	0.56
Paving	Pavers	Diesel	Average	1	6	81	0.42
Paving	Rollers	Diesel	Average	1	7	36	0.38
Paving	Paving Equ	Diesel	Average	1	8	89	0.36
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per Trip	Vehicle Mix
Site Preparation				
Site Prepar	Worker	7.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	10	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Cc	Worker	26.6	14.3	LDA,LDT1,LDT2
Building Cc	Vendor	3.96	8.8	HHDT,MHDT
Building Cc	Hauling	0	20	HHDT
Building Cc	Onsite truck			HHDT
Paving				
Paving	Worker	12.5	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	5.33	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redı	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Residential	Non-Residc	Parking Area Coated (sq ft)
Architectur	71928	23976	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material Im	Material Ex	Acres Graded (a	Material Dı	Acres Paved (acres)
Site Preparation			0.94	0	
Grading			2	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redı	PM2.5 Reduction
Water Exp	2	61	61
Water Dem	2	36	36

5.7. Construction Paving

Land Use	Area Pavec	% Asphalt
Apartments Mid Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Yc	CO2	CH4	N2O
2025	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	24.1	annual days of extreme heat
Extreme Pr	6.45	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0.69	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (h

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive Capaci	Vulnerability Score
Temperatu	2	0	0	N/A

Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive Capaci	Vulnerability Score
Temperatu	2	1	1	3
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	59.7
AQ-PM	39.5
AQ-DPM	50.3
Drinking W	47.8
Lead Risk H	54.5
Pesticides	0
Toxic Relea	20.9
Traffic	21.4
Effect Indicators	
CleanUp Si	18.7
Groundwat	78.3
Haz Waste	59.8
Impaired W	77.3
Solid Wast	0
Sensitive Population	
Asthma	88.7
Cardio-vas	62.6
Low Birth V	7.38
Socioeconomic Factor Indicators	
Education	25.1
Housing	70.2
Linguistic	37
Poverty	67.4
Unemployr	14.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	37.16156
Employed	15.56525
Median HI	23.82908
Education	
Bachelor's	54.33081
High schoo	26.62646
Preschool e	15.20595
Transportation	
Auto Acces	28.94906
Active com	46.06698
Social	
2-parent h	11.18953
Voting	74.93905
Neighborhood	
Alcohol ava	37.77749
Park access	30.25792
Retail dens	94.59772
Supermark	42.71782
Tree canop	91.62069
Housing	
Homeowne	51.98255
Housing ha	41.55011
Low-inc ho	37.45669
Low-inc rer	6.736815
Uncrowdec	66.91903
Health Outcomes	
Insured adı	47.9148
Arthritis	0
Asthma ER	6
High Blood	0
Cancer (exc	0
Asthma	0
Coronary H	0

Chronic Ob	0
Diagnosed	0
Life Expect	11
Cognitively	14
Physically	27
Heart Attac	49
Mental Hea	0
Chronic Kid	0
Obesity	0
Pedestrian	53
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	67
Elderly	28
English Spe	75
Foreign-bo	11
Outdoor W	47
Climate Change Adaptive Capacity	
Impervious	61
Traffic Den	60
Traffic Acce	23
Other Indices	
Hardship	64
Other Decision Support	
2016 Votin	65

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	47
Healthy Pla	30
Project Loc No	
Project Loc Yes	
Project Loc No	

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possible Pc	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Constructic	no demo
Land Use	PD

ł cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
ıadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information
1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone North Watt (rezoned)
Constructic	6/7/2025
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3.5
Precipitatic	39.2
Location	38.66735756395545, -121.38321539651498
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	657
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreage	Building Ar	Landscape	Special Lan	Population	Description
Apartment	735	Dwelling U	21.3	705600	185653		2058	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary
2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	4.03	3.46	31.7	46.5	0.06	1.37	7.84	9.21	1.26	3.98	5.24		10677	10677	0.34	0.57	29	10884
Daily, Winter (Max)																		
Unmit.	3.82	332	16.8	38.1	0.04	0.46	5.94	6.41	0.43	1.41	1.84		10002	10002	0.38	0.57	0.75	10182
Average Daily (Max)																		
Unmit.	2.48	18.3	11	26.3	0.03	0.29	4.14	4.43	0.27	0.98	1.25		7136	7136	0.25	0.4	8.14	7272
Annual (Max)																		
Unmit.	0.45	3.33	2.02	4.8	0.01	0.05	0.76	0.81	0.05	0.18	0.23		1182	1182	0.04	0.07	1.35	1204

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	4.03	3.46	31.7	46.5	0.06	1.37	7.84	9.21	1.26	3.98	5.24		10677	10677	0.34	0.57	29	10884
2026	3.84	23.36383	15.1	44.2	0.04	0.41	5.94	6.35	0.38	1.41	1.79		10514	10514	0.33	0.56	26.4	10714
Daily - Winter (Max)																		
2025	3.82	3.2	16.8	38.1	0.04	0.46	5.94	6.41	0.43	1.41	1.84		10002	10002	0.38	0.57	0.75	10182
2026	3.49	23.36383	15.7	36.4	0.04	0.41	5.94	6.35	0.38	1.41	1.79		9854	9854	0.36	0.57	0.69	10032
2027	3.36	23.36383	15	35	0.04	0.37	5.94	6.31	0.34	1.41	1.76		9711	9711	0.35	0.55	0.62	9884
Average Daily																		
2025	1.56	1.32	8.41	14.6	0.02	0.29	2.22	2.51	0.27	0.64	0.91		3681	3681	0.13	0.17	3.59	3738
2026	2.48	2.19	11	26.3	0.03	0.29	4.14	4.43	0.27	0.98	1.25		7136	7136	0.25	0.4	8.14	7272
2027	0.13	18.3	0.68	1.43	< 0.005	0.02	0.16	0.18	0.02	0.04	0.06		310	310	0.01	0.01	0.27	314
Annual																		
2025	0.29	0.24	1.53	2.66	< 0.005	0.05	0.41	0.46	0.05	0.12	0.17		609	609	0.02	0.03	0.59	619
2026	0.45	0.234342	2.02	4.8	0.01	0.05	0.76	0.81	0.05	0.18	0.23		1182	1182	0.04	0.07	1.35	1204
2027	0.02	0.234342	0.12	0.26	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01		51.4	51.4	< 0.005	< 0.005	0.04	52

3. Construction Emissions Details
3.1. Site Preparation (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road Ei	3.94	3.31	31.6	30.2	0.05	1.37		1.37	1.26		1.26		5295	5295	0.21	0.04		5314
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road Ei	0.11	0.09	0.87	0.83	< 0.005	0.04		0.04	0.03		0.03		145	145	0.01	< 0.005		146
Dust From Material Movement							0.21	0.21		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.02	0.02	0.16	0.15	< 0.005	0.01		0.01	0.01		0.01		24	24	< 0.005	< 0.005		24.1
Dust From Material Movement							0.04	0.04		0.02	0.02							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	0.08	0.07	0.05	1.05	0	0	0.18	0.18	0	0.04	0.04		199	199	< 0.005	0.01	0.76	202
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.96	4.96	< 0.005	< 0.005	0.01	5.03
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.82	0.82	< 0.005	< 0.005	< 0.005	0.83
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.3. Grading (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	Pm10	Pm2.5
2025	3	32	9	5	619	0.46	0.17
2026	23	16	6	2	1204	0.81	0.23
2027	23	15	6	2	52	0.03	0.01

diesel PM

2025	1.37
2026	5.94
2027	0.37

Yearly

Emission per capita

Year	ROG	NOx	PM10	PM2.5	CO2
2025	0.002	0.015	0.004	0.003	0.30078
2026	0.011	0.008	0.003	0.001	0.58503
2027	0.011	0.007	0.003	0.001	0.02527
average	0.008	0.010	0.004	0.001	0.30369

Fuel Calcs

Tons/year

Note: gasoline = worker emissions; Diesel = vendor + offroad eq

Year	Gasoline	Diesel
2025	265.16	354.1
2026	644	560
2027	24.86	27.15

Daily, Summer (Max)																	
Off-Road Ei	3.8	3.2	29.7	28.3	0.06	1.23		1.23	1.14		1.14	6599	6599	0.27	0.05		6622
Dust From Material Movement							3.59	3.59		1.42	1.42						
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																	
Average Daily																	
Off-Road Ei	0.36	0.31	2.85	2.71	0.01	0.12		0.12	0.11		0.11	633	633	0.03	0.01		635
Dust From Material Movement							0.34	0.34		0.14	0.14						
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Off-Road Ei	0.07	0.06	0.52	0.5	< 0.005	0.02		0.02	0.02		0.02	105	105	< 0.005	< 0.005		105
Dust From Material Movement							0.06	0.06		0.02	0.02						
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																	
Daily, Summer (Max)																	
Worker	0.09	0.08	0.06	1.21	0	0	0.2	0.2	0	0.05	0.05	227	227	< 0.005	0.01	0.87	230
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																	
Average Daily																	
Worker	0.01	0.01	0.01	0.09	0	0	0.02	0.02	0	< 0.005	< 0.005	19.8	19.8	< 0.005	< 0.005	0.04	20.1
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	3.28	3.28	< 0.005	< 0.005	0.01	3.33
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road Ei	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4	2398	2398	0.1	0.02			2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road Ei	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4	2398	2398	0.1	0.02			2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.38	0.32	2.96	3.7	0.01	0.12		0.12	0.11		0.11	680	680	0.03	0.01			683
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road Ei	0.07	0.06	0.54	0.68	< 0.005	0.02		0.02	0.02		0.02	113	113	< 0.005	< 0.005			113
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	2.44	2.24	1.54	31.9	0	0	5.35	5.35	0	1.25	1.25		6007	6007	0.09	0.21	23.1	6096
Vendor	0.25	0.1	4.12	1.53	0.02	0.03	0.6	0.63	0.03	0.16	0.19		2273	2273	0.15	0.34	5.91	2382
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	2.23	1.99	1.96	23.5	0	0	5.35	5.35	0	1.25	1.25		5333	5333	0.13	0.21	0.6	5400
Vendor	0.25	0.08	4.4	1.56	0.02	0.03	0.6	0.63	0.03	0.16	0.19		2272	2272	0.15	0.34	0.15	2376
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.63	0.57	0.49	6.81	0	0	1.48	1.48	0	0.35	0.35		1553	1553	0.03	0.06	2.82	1575
Vendor	0.07	0.03	1.23	0.44	< 0.005	0.01	0.17	0.17	0.01	0.04	0.05		645	645	0.04	0.1	0.72	675
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.11	0.1	0.09	1.24	0	0	0.27	0.27	0	0.06	0.06		257	257	< 0.005	0.01	0.47	261
Vendor	0.01	0.01	0.22	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01		107	107	0.01	0.02	0.12	112
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Building Construction (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road Ei	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road Ei	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.91	0.77	7.04	9.26	0.02	0.27		0.27	0.25		0.25		1712	1712	0.07	0.01		1718
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.17	0.14	1.28	1.69	< 0.005	0.05		0.05	0.05		0.05		283	283	0.01	< 0.005		284
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	2.33	2.12	1.36	29.8	0	0	5.35	5.35	0	1.25	1.25		5890	5890	0.08	0.2	21	5973
Vendor	0.23	0.08	3.85	1.47	0.02	0.03	0.6	0.63	0.03	0.16	0.19		2227	2227	0.15	0.34	5.36	2336
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.98	1.92	1.77	21.9	0	0	5.35	5.35	0	1.25	1.25		5231	5231	0.12	0.21	0.55	5298
Vendor	0.23	0.08	4.13	1.5	0.02	0.03	0.6	0.63	0.03	0.16	0.19		2226	2226	0.15	0.33	0.14	2329
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	1.4	1.36	1.11	16	0	0	3.72	3.72	0	0.87	0.87		3834	3834	0.08	0.15	6.49	3888
Vendor	0.17	0.06	2.9	1.06	0.01	0.02	0.42	0.44	0.02	0.11	0.13		1590	1590	0.11	0.24	1.65	1666
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.25	0.25	0.2	2.91	0	0	0.68	0.68	0	0.16	0.16		635	635	0.01	0.03	1.07	644
Vendor	0.03	0.01	0.53	0.19	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02		263	263	0.02	0.04	0.27	276
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Building Construction (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.02	0.02	0.15	0.2	< 0.005	0.01		0.01	< 0.005		< 0.005		37.5	37.5	< 0.005	< 0.005		37.7
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		6.21	6.21	< 0.005	< 0.005		6.23
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	1.9	1.67	1.74	20.6	0	0	5.35	5.35	0	1.25	1.25		5138	5138	0.12	0.21	0.5	5205
Vendor	0.23	0.08	3.86	1.45	0.02	0.03	0.6	0.63	0.03	0.16	0.19		2176	2176	0.13	0.32	0.12	2274
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.03	0.03	0.02	0.33	0	0	0.08	0.08	0	0.02	0.02		82.5	82.5	< 0.005	< 0.005	0.13	83.6
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005		34.1	34.1	< 0.005	< 0.005	0.03	35.6
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.01	< 0.005	< 0.005	0.06	0	0	0.01	0.01	0	< 0.005	< 0.005		13.7	13.7	< 0.005	< 0.005	0.02	13.8
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		5.64	5.64	< 0.005	< 0.005	0.01	5.9
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.11. Paving (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	0.88	0.74	6.94	9.95	0.01	0.3		0.3	0.27		0.27		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.05	0.04	0.38	0.55	< 0.005	0.02		0.02	0.02		0.02		82.8	82.8	< 0.005	< 0.005		83.1
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.01	0.01	0.07	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		13.7	13.7	< 0.005	< 0.005		13.8
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.05	0.58	0	0	0.15	0.15	0	0.04	0.04		146	146	< 0.005	0.01	0.01	148
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005		8.19	8.19	< 0.005	< 0.005	0.01	8.3
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.36	1.36	< 0.005	< 0.005	< 0.005	1.37
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.13. Architectural Coating (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	0.14	0.11	0.83	1.13	< 0.005	0.02		0.02	0.02		0.02		134	134	0.01	< 0.005		134
Architectural Coatings		331																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.01	0.01	0.05	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		7.32	7.32	< 0.005	< 0.005		7.34
Architectural Coatings		18.1																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		1.21	1.21	< 0.005	< 0.005		1.22
Architectural Coatings		3.31																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.38	0.33	0.35	4.11	0	0	1.07	1.07	0	0.25	0.25		1028	1028	0.02	0.04	0.1	1041
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.02	0.02	0.02	0.23	0	0	0.06	0.06	0	0.01	0.01		57.8	57.8	< 0.005	< 0.005	0.09	58.6
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005		9.57	9.57	< 0.005	< 0.005	0.01	9.69
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	6/7/2025	6/20/2025	5	10	
Grading	Grading	6/21/2025	8/8/2025	5	35	
Building Cc	Building Cc	8/9/2025	1/8/2027	5	370	
Paving	Paving	1/9/2027	2/5/2027	5	20	
Architectur	Architectur	2/6/2027	3/5/2027	5	20	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tir	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lo	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lo	Diesel	Average	2	8	84	0.37
Grading	Rubber Tir	Diesel	Average	1	8	367	0.4
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Building Cc	Cranes	Diesel	Average	1	7	367	0.29
Building Cc	Forklifts	Diesel	Average	3	8	82	0.2
Building Cc	Generator	Diesel	Average	1	8	14	0.74
Building Cc	Welders	Diesel	Average	1	8	46	0.45
Building Cc	Tractors/Lo	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per Tr	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Cc	Worker	529	14.3	LDA,LDT1,LDT2
Building Cc	Vendor	78.6	8.8	HHDT,MHDT
Building Cc	Hauling	0	20	HHDT
Building Cc	Onsite truck			HHDT
Paving				

Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	106	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redu	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	1428840	476280	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material Im	Material Ex	Acres Grade	Material Di	Acres Paved (acres)
Site Preparation			15		0
Grading			105		0
Paving	0	0	0		0

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redu	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Pavec	% Asphalt
Apartments Mid Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2025	0	375	0.01	< 0.005
2026	0	375	0.01	< 0.005
2027	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Co	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	21.8	annual days of extreme heat
Extreme Pr	6.35	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGE

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive Ca	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive Ca	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	58.2
AQ-PM	37.4
AQ-DPM	27.5
Drinking W	61.1
Lead Risk H	92.2
Pesticides	7.24
Toxic Relea	21.8
Traffic	47
Effect Indicators	
CleanUp Si	80.9
Groundwat	99.2
Haz Waste	61.6
Impaired W	0
Solid Wast	52.9
Sensitive Population	
Asthma	93.4
Cardio-vas	69.2
Low Birth W	79.4
Socioeconomic Factor Indicators	
Education	62.9
Housing	73.4
Linguistic	39.2
Poverty	91.6
Unemployr	65.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	10.16297
Employed	6.274862
Median HI	6.672655
Education	
Bachelor's	19.73566
High schoo	12.79353
Preschool e	42.65366
Transportation	
Auto Acces	24.89414
Active com	74.06647
Social	
2-parent ho	39.00937
Voting	13.02451
Neighborhood	
Alcohol ava	41.65277
Park access	47.42718
Retail dens	38.27794
Supermark	72.19299
Tree canop	82.34313
Housing	
Homeowne	23.13615
Housing ha	24.9198
Low-inc ho	13.20416
Low-inc rer	43.79571
Uncrowdec	25.44591
Health Outcomes	
Insured adı	37.80316
Arthritis	0
Asthma ER	5.9
High Blood	0
Cancer (exc	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	5.5
Cognitively	4
Physically	5.6
Heart Attac	17
Mental Hea	0
Chronic Kid	0
Obesity	0
Pedestrian	97
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	16
Elderly	68
English Spe	43
Foreign-bo	30
Outdoor W	49
Climate Change Adaptive Capacity	

Impervious	51
Traffic Den	47
Traffic Acc	66
Other Indices	
Hardship	81
Other Decision Support	
2016 Votin	6.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	83
Healthy Pla	13
Project Loc	Yes
Project Loc	Yes
Project Loc	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possibl	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	20% of total lot acreage is landscaped as in GP
Constructic	no demo

The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
:M2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information
1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone Old Florin (rezoned)
Constructic	3/6/2027
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	37.8
Location	38.49656099729435, -121.39733654991514
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	774
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreage	Building Ar	Landscape	Special Lan	Population	Description
Apartment	777	Dwelling U	25.2	745920	219717		2176	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary
2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	3.68	3.28	25.6	44.1	0.06	1.04	6.28	6.65	0.96	1.49	2.43		10812	10812	0.32	0.57	25.3	11016
Daily, Winter (Max)																		
Unmit.	3.69	390	28	36.2	0.06	1.17	7.84	9.01	1.08	3.98	5.06		10129	10129	0.36	0.58	0.66	10312
Average Daily (Max)																		
Unmit.	2.06	20.8	10.2	20.6	0.03	0.3	3.43	3.74	0.28	0.93	1.21		5674	5674	0.19	0.32	5.48	5778
Annual (Max)																		
Unmit.	0.38	3.79	1.87	3.76	< 0.005	0.06	0.63	0.68	0.05	0.17	0.22		939	939	0.03	0.05	0.91	957

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2027	3.68	25.05353	25.6	44.1	0.06	1.04	6.28	6.65	0.96	1.49	2.43		10812	10812	0.32	0.57	25.3	11016
2028	3.54	25.05353	13.7	42.2	0.04	0.33	6.28	6.61	0.31	1.49	1.8		10626	10626	0.31	0.39	22.8	10774
Daily - Winter (Max)																		
2027	3.69	25.05353	28	36.2	0.06	1.17	7.84	9.01	1.08	3.98	5.06		10129	10129	0.36	0.58	0.66	10312
2028	3.35	25.05353	14.4	34.9	0.04	0.33	6.28	6.61	0.31	1.49	1.8		9957	9957	0.35	0.58	0.59	10140
Average Daily																		
2027	2.06	1.72	10.2	20.6	0.03	0.3	3.43	3.74	0.28	0.93	1.21		5585	5585	0.19	0.27	5.12	5676
2028	1.9	20.8	8.12	20.1	0.02	0.2	3.42	3.62	0.18	0.81	0.99		5674	5674	0.19	0.32	5.48	5778
Annual																		
2027	0.38	0.243469	1.87	3.76	< 0.005	0.06	0.63	0.68	0.05	0.17	0.22		925	925	0.03	0.05	0.85	940
2028	0.35	0.243469	1.48	3.67	< 0.005	0.04	0.62	0.66	0.03	0.15	0.18		939	939	0.03	0.05	0.91	957

3. Construction Emissions Details
3.1. Site Preparation (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.63	3.05	28	28.3	0.05	1.17		1.17	1.08		1.08		5298	5298	0.21	0.04		5316
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.1	0.08	0.77	0.77	< 0.005	0.03		0.03	0.03		0.03		145	145	0.01	< 0.005		146
Dust From Material Movement							0.21	0.21		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.02	0.02	0.14	0.14	< 0.005	0.01		0.01	0.01		0.01		24	24	< 0.005	< 0.005		24.1
Dust From Material Movement							0.04	0.04		0.02	0.02							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.06	0.06	0.68	0	0	0.18	0.18	0	0.04	0.04		170	170	< 0.005	0.01	0.02	172
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.78	4.78	< 0.005	< 0.005	0.01	4.84
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.79	0.79	< 0.005	< 0.005	< 0.005	0.8
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.3. Grading (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road Ei	3.51	2.95	25.6	27.3	0.06	1.04		1.04	0.96		0.96		6598	6598	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42							

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2027	25	28	9	5	940	0.68	0.22
2028	25	14	7	2	957	0.66	0.18

diesel PM 1.17

Yearly

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2027	25	28	9	5	940	0.68	0.22
2028	25	14	7	2	957	0.66	0.18

Emissions Per Capita

Year	ROG	NOx	PM10	PM2.5	CO2
2027	0.0115	0.0129	0.0041	0.0023	0.43199
2028	0.0115	0.0066	0.0030	0.0008	0.43980
average	0.0115	0.0097	0.0036	0.0016	0.4359

Fuel Calcs

Tons/year Note: gasoline = worker emissions; Diesel = vendor + offroad eq

Year	Gasoline	Diesel
2027	440.01	500.1
2028	512.25	444.49

Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																	
Off-Road Ei	3.51	2.95	25.6	27.3	0.06	1.04		1.04	0.96		0.96	6598	6598	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42						
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																	
Off-Road Ei	0.34	0.28	2.45	2.62	0.01	0.1		0.1	0.09		0.09	633	633	0.03	0.01		635
Dust From Material Movement							0.34	0.34		0.14	0.14						
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Off-Road Ei	0.06	0.05	0.45	0.48	< 0.005	0.02		0.02	0.02		0.02	105	105	< 0.005	< 0.005		105
Dust From Material Movement							0.06	0.06		0.02	0.02						
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																	
Daily, Summer (Max)																	
Worker	0.08	0.08	0.05	1.06	0	0	0.2	0.2	0	0.05	0.05	219	219	< 0.005	0.01	0.72	222
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																	
Worker	0.07	0.06	0.07	0.78	0	0	0.2	0.2	0	0.05	0.05	194	194	< 0.005	0.01	0.02	197
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																	
Worker	0.01	0.01	0.01	0.08	0	0	0.02	0.02	0	< 0.005	< 0.005	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road Ei	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road Ei	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.57	0.48	4.37	6.03	0.01	0.16		0.16	0.14		0.14		1116	1116	0.05	0.01		1120
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.1	0.09	0.8	1.1	< 0.005	0.03		0.03	0.03		0.03		185	185	0.01	< 0.005		185
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	2.2	2.17	1.42	29.7	0	0	5.65	5.65	0	1.32	1.32		6115	6115	0.09	0.21	20.2	6201
Vendor	0.25	0.08	3.82	1.5	0.02	0.03	0.63	0.66	0.03	0.17	0.2		2300	2300	0.14	0.34	5.09	2409
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	2.01	1.77	1.84	21.7	0	0	5.65	5.65	0	1.32	1.32		5432	5432	0.12	0.23	0.52	5502
Vendor	0.24	0.08	4.08	1.53	0.02	0.03	0.63	0.66	0.03	0.17	0.2		2300	2300	0.14	0.34	0.13	2404
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.93	0.82	0.75	10.4	0	0	2.57	2.57	0	0.6	0.6		2596	2596	0.05	0.1	4.06	2631
Vendor	0.11	0.04	1.87	0.7	0.01	0.02	0.29	0.3	0.02	0.08	0.09		1071	1071	0.07	0.16	1.02	1121
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.17	0.15	0.14	1.89	0	0	0.47	0.47	0	0.11	0.11		430	430	0.01	0.02	0.67	436
Vendor	0.02	0.01	0.34	0.13	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02		177	177	0.01	0.03	0.17	186
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Building Construction (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road Ei	1.18	0.99	8.92	12.9	0.02	0.3		0.3	0.28		0.28		2397	2397	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road Ei	1.18	0.99	8.92	12.9	0.02	0.3		0.3	0.28		0.28		2397	2397	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.65	0.54	4.89	7.09	0.01	0.16		0.16	0.15		0.15		1314	1314	0.05	0.01		1318
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.12	0.1	0.89	1.29	< 0.005	0.03		0.03	0.03		0.03		217	217	0.01	< 0.005		218
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	2.13	1.92	1.23	27.9	0	0	5.65	5.65	0	1.32	1.32		5989	5989	0.07	0.04	18.3	6020
Vendor	0.23	0.08	3.57	1.44	0.02	0.03	0.63	0.66	0.03	0.17	0.2		2239	2239	0.14	0.34	4.52	2348
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.94	1.72	1.64	20.5	0	0	5.65	5.65	0	1.32	1.32		5320	5320	0.11	0.23	0.47	5391
Vendor	0.22	0.08	3.82	1.48	0.02	0.03	0.63	0.66	0.03	0.17	0.2		2239	2239	0.14	0.34	0.12	2343
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	1.06	0.94	0.78	11.5	0	0	3.02	3.02	0	0.71	0.71		2991	2991	0.05	0.12	4.33	3032
Vendor	0.12	0.05	2.06	0.8	0.01	0.02	0.34	0.36	0.02	0.09	0.11		1227	1227	0.08	0.18	1.07	1285
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		

Worker	0.19	0.17	0.14	2.09	0	0	0.55	0.55	0	0.13	0.13	495	495	0.01	0.02	0.72	502
Vendor	0.02	0.01	0.38	0.15	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	203	203	0.01	0.03	0.18	213
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.9. Paving (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	0.82	0.69	6.63	9.91	0.01	0.26		0.26	0.24		0.24		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.04	0.03	0.33	0.49	< 0.005	0.01		0.01	0.01		0.01		74.5	74.5	< 0.005	< 0.005		74.8
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.01	0.01	0.06	0.09	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		12.3	12.3	< 0.005	< 0.005		12.4
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.04	0.55	0	0	0.15	0.15	0	0.04	0.04		143	143	< 0.005	0.01	0.01	145
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005		7.22	7.22	< 0.005	< 0.005	0.01	7.32
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.2	1.2	< 0.005	< 0.005	< 0.005	1.21
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.11. Architectural Coating (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	0.13	0.11	0.81	1.12	< 0.005	0.02		0.02	0.01		0.01		134	134	0.01	< 0.005		134
Architectural Coatings		389																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.01	0.01	0.04	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		6.58	6.58	< 0.005	< 0.005		6.61
Architectural Coatings		19.2																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		1.09	1.09	< 0.005	< 0.005		1.09
Architectural Coatings		3.5																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.39	0.34	0.33	4.1	0	0	1.13	1.13	0	0.26	0.26		1064	1064	0.02	0.05	0.09	1078
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.02	0.02	0.01	0.21	0	0	0.05	0.05	0	0.01	0.01		53.8	53.8	< 0.005	< 0.005	0.08	54.6
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005		8.91	8.91	< 0.005	< 0.005	0.01	9.04
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		

Removed
Subtotal

Daily, Winter (Max)
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

Annual
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

5. Activity Data
5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	3/6/2027	3/19/2027	5	10	
Grading	Grading	3/20/2027	5/7/2027	5	35	
Building Cc	Building Cc	5/8/2027	10/6/2028	5	370	
Paving	Paving	10/7/2028	11/1/2028	5	18	
Architectur	Architectur	11/2/2028	11/27/2028	5	18	

5.2. Off-Road Equipment
5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tir	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Rubber Tir	Diesel	Average	1	8	367	0.4
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Building Cc	Cranes	Diesel	Average	1	7	367	0.29
Building Cc	Forklifts	Diesel	Average	3	8	82	0.2
Building Cc	Generator	Diesel	Average	1	8	14	0.74
Building Cc	Welders	Diesel	Average	1	8	46	0.45
Building Cc	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles
5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per Trip	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Cc	Worker	559	14.3	LDA,LDT1,LDT2
Building Cc	Vendor	83.1	8.8	HHDT,MHDT
Building Cc	Hauling	0	20	HHDT
Building Cc	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	112	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles
5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redu	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Residential	Non-Reside	Parking Area Coated (sq ft)
Architectur	1510488	503496	0	0	

5.6. Dust Mitigation
5.6.1. Construction Earthmoving Activities

Phase Nam	Material Im	Material Ex	Acres Graded (ac	Material De	Acres Paved (acres)
Site Preparation			15	0	
Grading			105	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Red	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Pavec	% Asphalt
Apartments Mid Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2027	0	375	0.01	< 0.005
2028	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the gric

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (I

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive Capaci	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive Capaci	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	48.6
AQ-PM	23.7
AQ-DPM	22.3
Drinking W	78.8
Lead Risk H	41.2
Pesticides	73.8
Toxic Relea	30.3
Traffic	28.5
Effect Indicators	
CleanUp Si	86.5
Groundwat	88.9
Haz Waste	99.8
Impaired W	51.2
Solid Wast	99.9
Sensitive Population	
Asthma	50.2
Cardio-vas	53.9
Low Birth W	36.4
Socioeconomic Factor Indicators	
Education	47.5

Housing	61.9
Linguistic	43.9
Poverty	58.5
Unemployr	62.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	36.84075
Employed	20.45425
Median HI	23.26447
Education	
Bachelor's	39.343
High schoo	100
Preschool e	18.64494
Transportation	
Auto Acces	37.45669
Active com	70.7943
Social	
2-parent ho	14.75683
Voting	58.51405
Neighborhood	
Alcohol ava	64.6221
Park access	12.70371
Retail dens	22.81535
Supermark	13.65328
Tree canop	2.065957
Housing	
Homeowne	60.60567
Housing ha	41.69126
Low-inc ho	38.58591
Low-inc rer	7.737713
Uncrowdec	46.38778
Health Outcomes	
Insured adı	43.96253
Arthritis	0
Asthma ER	50
High Blood	0
Cancer (exc	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	16
Cognitively	21
Physically	7.2
Heart Attac	54
Mental Hea	0
Chronic Kic	0
Obesity	0
Pedestrian	98
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	60
Elderly	21
English Spe	31
Foreign-bo	59
Outdoor W	29
Climate Change Adaptive Capacity	
Impervious	91
Traffic Den	38
Traffic Acc	23
Other Indices	
Hardship	62
Other Decision Support	
2016 Votin	64

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	70
Healthy Pla	29
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possible Po	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Constructic	No demo
Land Use	landscape area = 20% of total lot acreage

d cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone before (2025)
Constructic	1/1/2025
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.4
Location	38.496999247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	461	Dwelling U	37.5	488660	327122		1291	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	3.03	28.00683	14	34	0.03	0.45	3.73	4.18	0.42	0.89	1.3		7591	7591	0.25	0.36	18.2	7724
Daily, Winter (Max)																		
Unmit.	4.01	28.00683	31.7	31	0.06	1.37	7.84	9.21	1.26	3.98	5.24		7167	7167	0.27	0.36	0.47	7283
Average Daily (Max)																		
Unmit.	1.98	14.2	10.6	19.2	0.02	0.36	2.44	2.81	0.34	0.65	0.99		4668	4668	0.17	0.21	4.51	4740
Annual (Max)																		
Unmit.	0.36	2.6	1.94	3.5	< 0.005	0.07	0.45	0.51	0.06	0.12	0.18		773	773	0.03	0.04	0.75	785

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	3.03	28.00683	14	34	0.03	0.45	3.73	4.18	0.42	0.89	1.3		7591	7591	0.25	0.36	18.2	7724
Daily - Winter (Max)																		
2025	4.01	28.00683	31.7	31	0.06	1.37	7.84	9.21	1.26	3.98	5.24		7167	7167	0.27	0.36	0.47	7283
Average Daily																		
2025	1.98	14.2	10.6	19.2	0.02	0.36	2.44	2.81	0.34	0.65	0.99		4668	4668	0.17	0.21	4.51	4740
Annual																		
2025	0.36	2.6	1.94	3.5	< 0.005	0.07	0.45	0.51	0.06	0.12	0.18		773	773	0.03	0.04	0.75	785

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.94	3.31	31.6	30.2	0.05	1.37		1.37	1.26		1.26		5295	5295	0.21	0.04		5314
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.08	0.06	0.61	0.58	< 0.005	0.03		0.03	0.02		0.02		102	102	< 0.005	< 0.005		102
Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.01	0.01	0.11	0.11	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.07	0.06	0.78	0	0	0.18	0.18	0	0.04	0.04		176	176	< 0.005	0.01	0.02	179
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.47	3.47	< 0.005	< 0.005	0.01	3.52
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.57	0.57	< 0.005	< 0.005	< 0.005	0.58
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.3. Grading (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.8	3.2	29.7	28.3	0.06	1.23		1.23	1.14		1.14		6599	6599	0.27	0.05		6622
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.21	0.18	1.63	1.55	< 0.005	0.07		0.07	0.06		0.06		362	362	0.01	< 0.005		363

Report Tables

Daily Max lb

Year	ROG	NOx	PM10	PM2.5	PM10	PM2.5	CO2
2025	28.00683	31.7	9.21	5.24	0.51	0.18	785

Yearly Tons

Fuel Calcs

Tons/year

Year	Gasoline	Diesel
2025	332.9	451.48

Dust From Material Movement							0.2	0.2		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.04	0.03	0.3	0.28	< 0.005	0.01		0.01	0.01		0.01	59.9	59.9	< 0.005	< 0.005			60.1
Dust From Material Movement							0.04	0.04		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.08	0.08	0.07	0.89	0	0	0.2	0.2	0	0.05	0.05	202	202	< 0.005		0.01	0.02	204
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.05	0	0	0.01	0.01	0	< 0.005	< 0.005	11.3	11.3	< 0.005	< 0.005	0.02	11.5	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	1.88	1.88	< 0.005	< 0.005	< 0.005	1.9	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.76	0.64	5.89	7.36	0.01	0.24		0.24	0.22		0.22		1353	1353	0.05	0.01		1358
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.14	0.12	1.08	1.34	< 0.005	0.04		0.04	0.04		0.04		224	224	0.01	< 0.005		225
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.53	1.4	0.97	20	0	0	3.35	3.35	0	0.79	0.79		3768	3768	0.06	0.13	14.5	3824
Vendor	0.16	0.06	2.58	0.96	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1425	1425	0.09	0.21	3.71	1494
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.4	1.25	1.23	14.7	0	0	3.35	3.35	0	0.79	0.79		3345	3345	0.08	0.13	0.38	3387
Vendor	0.15	0.05	2.76	0.98	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1425	1425	0.09	0.21	0.1	1490
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.78	0.71	0.62	8.49	0	0	1.85	1.85	0	0.43	0.43		1937	1937	0.04	0.08	3.52	1964
Vendor	0.09	0.03	1.53	0.54	0.01	0.01	0.21	0.22	0.01	0.06	0.07		804	804	0.05	0.12	0.9	842
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.14	0.13	0.11	1.55	0	0	0.34	0.34	0	0.08	0.08		321	321	0.01	0.01	0.58	325
Vendor	0.02	0.01	0.28	0.1	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01		133	133	0.01	0.02	0.15	139
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Paving (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.95	0.8	7.45	9.98	0.01	0.35		0.35	0.32		0.32		1511	1511	0.06	0.01		1517
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.04	0.03	0.29	0.38	< 0.005	0.01		0.01	0.01		0.01		58	58	< 0.005	< 0.005		58.2
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.05	0.07	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		9.6	9.6	< 0.005	< 0.005		9.63
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.06	0.06	0.67	0	0	0.15	0.15	0	0.04	0.04		151	151	< 0.005		0.01	0.02	153
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005		5.95	5.95	< 0.005	< 0.005		0.01	6.03
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.99	0.99	< 0.005	< 0.005	< 0.005	1	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.9. Architectural Coating (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.15	0.13	0.88	1.14	< 0.005	0.03		0.03	0.03		0.03		134	134	0.01	< 0.005		134
Architectural Coatings		328																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Average Daily																		
Off-Road Ei	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		5.12	5.12	< 0.005	< 0.005		5.14
Architectural Coatings		12.6																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.85	0.85	< 0.005	< 0.005		0.85
Architectural Coatings		2.29																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.28	0.25	0.25	2.95	0	0	0.67	0.67	0	0.16	0.16		669	669	0.02	0.03	0.08	677
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.01	0.01	0.01	0.12	0	0	0.03	0.03	0	0.01	0.01		26.3	26.3	< 0.005	< 0.005	0.05	26.7
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.36	4.36	< 0.005	< 0.005	0.01	4.42
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	1/1/2025	1/9/2025	5	7	
Grading	Grading	1/10/2025	2/6/2025	5	20	
Building Cc	Building Cc	2/7/2025	########	5	206	
Paving	Paving	########	########	5	14	
Architectur	Architectur	########	########	5	14	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tir	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tir	Diesel	Average	1	8	367	0.4
Building Cc	Forklifts	Diesel	Average	3	8	82	0.2
Building Cc	Generator	Diesel	Average	1	8	14	0.74
Building Cc	Cranes	Diesel	Average	1	7	367	0.29
Building Cc	Welders	Diesel	Average	1	8	46	0.45

Building Cc	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Cc	Worker	332	14.3	LDA,LDT1,LDT2
Building Cc	Vendor	49.3	8.8	HHDT,MHDT
Building Cc	Hauling	0	20	HHDT
Building Cc	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redı	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	989537	329846	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material In	Material E>	Acres Grad	Material D	Acres Paved (acres)
Site Preparation			10.5	0	
Grading			60	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redı	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Pavec	% Asphalt
Apartments Low Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2025	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid ce

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (Had

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A

Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack l	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack l	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	42.6
AQ-PM	34
AQ-DPM	24.2
Drinking W	87.7
Lead Risk H	46.5
Pesticides	0
Toxic Relea	22
Traffic	61.2
Effect Indicators	
CleanUp Si	40.8
Groundwat	55.3
Haz Waste	30.2
Impaired W	43.8
Solid Wast	39
Sensitive Population	
Asthma	91.3
Cardio-vas	90.3
Low Birth W	79.8
Socioeconomic Factor Indicators	
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployr	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	9.072244
Employed	15.56525
Median HI	12.40857
Education	
Bachelor's	17.50289
High schoo	14.67984
Preschool e	74.27178
Transportation	
Auto Acces	16.95111
Active com	49.8396
Social	
2-parent h	10.38111
Voting	30.89953
Neighborhood	
Alcohol ava	49.86526
Park access	57.48749
Retail dens	47.01655
Supermark	29.53933
Tree canop	84.60157
Housing	
Homeowne	30.1681
Housing ha	28.23046
Low-inc ho	26.71628
Low-inc ren	30.95085
Uncrowdec	20.0308
Health Outcomes	
Insured ad	19.91531
Arthritis	12
Asthma ER	10
High Blood	6
Cancer (ex	50
Asthma	8.7
Coronary H	16
Chronic Ob	5
Diagnosed	10

Life Expect	9
Cognitively	18
Physically	44
Heart Attac	11
Mental Hea	16
Chronic Kid	11
Obesity	23
Pedestrian	55
Physical He	14
Stroke	6.5
Health Risk Behaviors	
Binge Drinl	94
Current Sm	5.6
No Leisure	14
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	42
Elderly	68
English Spe	13
Foreign-bo	70
Outdoor W	4.6
Climate Change Adaptive Capacity	
Impervious	47
Traffic Den	45
Traffic Acce	60
Other Indices	
Hardship	91
Other Decision Support	
2016 Votin	14

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	80
Healthy Pla	13
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	20 percent of total before rezone
Constructic	1/5 of total project

ll. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
GEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone before (2026)
Constructic	1/1/2026
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.4
Location	38.496999247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	461	Dwelling U	37.5	488660	327122		1291	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	2.89	28.00683	13.1	32.6	0.03	0.4	3.73	4.12	0.37	0.89	1.25		7488	7488	0.24	0.36	16.6	7617
Daily, Winter (Max)																		
Unmit.	3.81	28.00683	29.2	29.5	0.06	1.24	7.84	9.09	1.14	3.98	5.12		7074	7074	0.27	0.36	0.43	7189
Average Daily (Max)																		
Unmit.	1.82	14.2	9.92	18.4	0.02	0.32	2.44	2.77	0.3	0.65	0.95		4613	4613	0.17	0.21	4.11	4685
Annual (Max)																		
Unmit.	0.33	2.58	1.81	3.37	< 0.005	0.06	0.45	0.51	0.05	0.12	0.17		764	764	0.03	0.03	0.68	776

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2026	2.89	28.00683	13.1	32.6	0.03	0.4	3.73	4.12	0.37	0.89	1.25		7488	7488	0.24	0.36	16.6	7617
Daily - Winter (Max)																		
2026	3.81	28.00683	29.2	29.5	0.06	1.24	7.84	9.09	1.14	3.98	5.12		7074	7074	0.27	0.36	0.43	7189
Average Daily																		
2026	1.82	14.2	9.92	18.4	0.02	0.32	2.44	2.77	0.3	0.65	0.95		4613	4613	0.17	0.21	4.11	4685
Annual																		
2026	0.33	2.58	1.81	3.37	< 0.005	0.06	0.45	0.51	0.05	0.12	0.17		764	764	0.03	0.03	0.68	776

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.74	3.14	29.2	28.8	0.05	1.24		1.24	1.14		1.14		5298	5298	0.21	0.04		5316
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.07	0.06	0.56	0.55	< 0.005	0.02		0.02	0.02		0.02		102	102	< 0.005	< 0.005		102
Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.01	0.01	0.1	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.06	0.06	0.73	0	0	0.18	0.18	0	0.04	0.04		173	173	< 0.005	0.01	0.02	175
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.4	3.4	< 0.005	< 0.005	0.01	3.45
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.56	0.56	< 0.005	< 0.005	< 0.005	0.57
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.3. Grading (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.62	3.04	27.2	27.6	0.06	1.12		1.12	1.03		1.03		6599	6599	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.2	0.17	1.49	1.51	< 0.005	0.06		0.06	0.06		0.06		362	362	0.01	< 0.005		363

Report Tables

Daily Max lb

Year	ROG	NOx	PM10	PM2.5	PM10	PM2.5	CO2
2026	28.00683	29.2	9.09	5.12	0.51	0.17	776

Yearly Tons

Fuel Calcs

Tons/year

Year	Gasoline	Diesel
2026	326.76	449.48

	Off road	Vendor/haul
SP	16.9	
Grading	60.1	
BC	225	137
Paving	9.63	
AC	0.85	
total	449.48	

Dust From Material Movement							0.2	0.2		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.04	0.03	0.27	0.28	< 0.005	0.01		0.01	0.01		0.01	59.9	59.9	< 0.005	< 0.005			60.1
Dust From Material Movement							0.04	0.04		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.07	0.07	0.83	0	0	0.2	0.2	0	0.05	0.05	198	198	< 0.005		0.01	0.02	200
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.05	0	0	0.01	0.01	0	< 0.005	< 0.005	11.1	11.1	< 0.005	< 0.005	0.02	11.3	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	1.84	1.84	< 0.005	< 0.005	< 0.005	1.87	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35	2397	2397	0.1	0.02			2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35	2397	2397	0.1	0.02			2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road E	0.72	0.6	5.56	7.32	0.01	0.21		0.21	0.2		0.2	1353	1353	0.05	0.01			1358
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.13	0.11	1.01	1.34	< 0.005	0.04		0.04	0.04		0.04	224	224	0.01	< 0.005			225
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.46	1.33	0.85	18.7	0	0	3.35	3.35	0	0.79	0.79	3694	3694	0.05	0.13	13.2	3746	
Vendor	0.15	0.05	2.42	0.92	0.01	0.02	0.37	0.39	0.02	0.1	0.12	1397	1397	0.09	0.21	3.36	1465	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.24	1.2	1.11	13.8	0	0	3.35	3.35	0	0.79	0.79	3281	3281	0.07	0.13	0.34	3323	
Vendor	0.14	0.05	2.59	0.94	0.01	0.02	0.37	0.39	0.02	0.1	0.12	1396	1396	0.09	0.21	0.09	1461	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	0.69	0.68	0.55	7.91	0	0	1.85	1.85	0	0.43	0.43	1900	1900	0.04	0.08	3.22	1927	
Vendor	0.08	0.03	1.44	0.53	0.01	0.01	0.21	0.22	0.01	0.06	0.07	788	788	0.05	0.12	0.82	826	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	0.13	0.12	0.1	1.44	0	0	0.34	0.34	0	0.08	0.08	315	315	0.01	0.01	0.53	319	
Vendor	0.01	0.01	0.26	0.1	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	130	130	0.01	0.02	0.14	137	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.7. Paving (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.91	0.76	7.12	9.94	0.01	0.32		0.32	0.29		0.29	1511	1511	0.06	0.01			1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road E	0.03	0.03	0.27	0.38	< 0.005	0.01		0.01	0.01		0.01	57.9	57.9	< 0.005	< 0.005			58.1
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.05	0.07	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	9.59	9.59	< 0.005	< 0.005			9.63
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.05	0.05	0.62	0	0	0.15	0.15	0	0.04	0.04	148	148	< 0.005		0.01	0.02	150
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	0.01	0.01	0	< 0.005	< 0.005	5.84	5.84	< 0.005	< 0.005	0.01	5.92	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.97	0.97	< 0.005	< 0.005	< 0.005	0.98	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.9. Architectural Coating (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.15	0.12	0.86	1.13	< 0.005	0.02		0.02	0.02		0.02	134	134	0.01	< 0.005			134
Architectural Coatings		328																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Average Daily																		
Off-Road Ei	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		5.12	5.12	< 0.005	< 0.005		5.14
Architectural Coatings		12.6																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.85	0.85	< 0.005	< 0.005		0.85
Architectural Coatings		2.29																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.25	0.24	0.22	2.75	0	0	0.67	0.67	0	0.16	0.16		656	656	0.01	0.03	0.07	665
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.01	0.01	0.01	0.11	0	0	0.03	0.03	0	0.01	0.01		25.8	25.8	< 0.005	< 0.005	0.04	26.2
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005		0	< 0.005	< 0.005		4.28	4.28	< 0.005	< 0.005	0.01	4.34
Vendor	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	1/1/2026	1/9/2026	5	7	
Grading	Grading	1/10/2026	2/6/2026	5	20	
Building Cc	Building Cc	2/7/2026	########	5	206	
Paving	Paving	########	########	5	14	
Architectur	Architectur	########	########	5	14	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tir	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tir	Diesel	Average	1	8	367	0.4
Building Cc	Forklifts	Diesel	Average	3	8	82	0.2
Building Cc	Generator	Diesel	Average	1	8	14	0.74
Building Cc	Cranes	Diesel	Average	1	7	367	0.29
Building Cc	Welders	Diesel	Average	1	8	46	0.45

Building Cc	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Cc	Worker	332	14.3	LDA,LDT1,LDT2
Building Cc	Vendor	49.3	8.8	HHDT,MHDT
Building Cc	Hauling	0	20	HHDT
Building Cc	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redı	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	989537	329846	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material In	Material E>	Acres Grad	Material D	Acres Paved (acres)
Site Preparation			10.5	0	
Grading			60	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redı	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Pavec	% Asphalt
Apartments Low Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2026	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid ce

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (Had

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A

Wildfire	1	0	0 N/A
Flooding	0	0	0 N/A
Drought	0	0	0 N/A
Snowpack l N/A	N/A	N/A	N/A
Air Quality	0	0	0 N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R N/A	N/A	N/A	N/A	
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack l N/A	N/A	N/A	N/A	
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	42.6
AQ-PM	34
AQ-DPM	24.2
Drinking W	87.7
Lead Risk H	46.5
Pesticides	0
Toxic Relea	22
Traffic	61.2
Effect Indicators	
CleanUp Si	40.8
Groundwat	55.3
Haz Waste	30.2
Impaired W	43.8
Solid Wast	39
Sensitive Population	
Asthma	91.3
Cardio-vas	90.3
Low Birth W	79.8
Socioeconomic Factor Indicators	
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployr	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	9.072244
Employed	15.56525
Median HI	12.40857
Education	
Bachelor's	17.50289
High schoo	14.67984
Preschool e	74.27178
Transportation	
Auto Acces	16.95111
Active com	49.8396
Social	
2-parent h	10.38111
Voting	30.89953
Neighborhood	
Alcohol ava	49.86526
Park access	57.48749
Retail dens	47.01655
Supermark	29.53933
Tree canop	84.60157
Housing	
Homeowne	30.1681
Housing ha	28.23046
Low-inc ho	26.71628
Low-inc rer	30.95085
Uncrowdec	20.0308
Health Outcomes	
Insured ad	19.91531
Arthritis	12
Asthma ER	10
High Blood	6
Cancer (ex	50
Asthma	8.7
Coronary H	16
Chronic Ob	5
Diagnosed	10

Life Expect	9
Cognitively	18
Physically	44
Heart Attac	11
Mental Hea	16
Chronic Kid	11
Obesity	23
Pedestrian	55
Physical He	14
Stroke	6.5
Health Risk Behaviors	
Binge Drinl	94
Current Sm	5.6
No Leisure	14
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	42
Elderly	68
English Spe	13
Foreign-bo	70
Outdoor W	4.6
Climate Change Adaptive Capacity	
Impervious	47
Traffic Den	45
Traffic Acce	60
Other Indices	
Hardship	91
Other Decision Support	
2016 Votin	14

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	80
Healthy Pla	13
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	one fifth of total project
Constructic	1/5 of total project
Screen	Justification
Land Use	25 percent of total before rezone
Constructic	1/5 of total project

ll. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
GEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone before (2027)
Constructic	1/1/2027
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.4
Location	38.496993247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	461	Dwelling U	37.5	488660	327122		1291	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	2.68	28.00683	12.5	31.4	0.03	0.36	3.73	4.08	0.33	0.89	1.22		7390	7390	0.23	0.35	15	7514
Daily, Winter (Max)																		
Unmit.	3.69	28.00683	28	29	0.06	1.17	7.84	9.01	1.08	3.98	5.06		6984	6984	0.27	0.35	0.39	7096
Average Daily (Max)																		
Unmit.	1.76	14	9.43	17.9	0.02	0.29	2.44	2.74	0.27	0.65	0.92		4561	4561	0.16	0.2	3.73	4629
Annual (Max)																		
Unmit.	0.32	2.56	1.72	3.27	< 0.005	0.05	0.45	0.5	0.05	0.12	0.17		755	755	0.03	0.03	0.62	766

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2027	2.68	28.00683	12.5	31.4	0.03	0.36	3.73	4.08	0.33	0.89	1.22		7390	7390	0.23	0.35	15	7514
Daily - Winter (Max)																		
2027	3.69	28.00683	28	29	0.06	1.17	7.84	9.01	1.08	3.98	5.06		6984	6984	0.27	0.35	0.39	7096
Average Daily																		
2027	1.76	14	9.43	17.9	0.02	0.29	2.44	2.74	0.27	0.65	0.92		4561	4561	0.16	0.2	3.73	4629
Annual																		
2027	0.32	2.56	1.72	3.27	< 0.005	0.05	0.45	0.5	0.05	0.12	0.17		755	755	0.03	0.03	0.62	766

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.63	3.05	28	28.3	0.05	1.17		1.17	1.08		1.08		5298	5298	0.21	0.04		5316
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.07	0.06	0.54	0.54	< 0.005	0.02		0.02	0.02		0.02		102	102	< 0.005	< 0.005		102
Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.01	0.01	0.1	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.06	0.06	0.68	0	0	0.18	0.18	0	0.04	0.04		170	170	< 0.005	0.01	0.02	172
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.34	3.34	< 0.005	< 0.005	0.01	3.39
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.55	0.55	< 0.005	< 0.005	< 0.005	0.56
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.3. Grading (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.51	2.95	25.6	27.3	0.06	1.04		1.04	0.96		0.96		6598	6598	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.19	0.16	1.4	1.49	< 0.005	0.06		0.06	0.05		0.05		362	362	0.01	< 0.005		363

Report Tables

Daily Max lb

Year	ROG	NOx	PM10	PM2.5	PM10	PM2.5	CO2
2027	28.00683	28	9.01	5.06	0.5	0.17	766

Yearly Tons

Fuel Calcs

Tons/year

Year	Gasoline	Diesel
2027	320.61	445.48

Dust From Material Movement							0.2	0.2		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.04	0.03	0.26	0.27	< 0.005	0.01		0.01	0.01		0.01	59.9	59.9	< 0.005	< 0.005			60.1
Dust From Material Movement							0.04	0.04		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.06	0.07	0.78	0	0	0.2	0.2	0	0.05	0.05	194	194	< 0.005		0.01	0.02	197
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005	10.9	10.9	< 0.005	< 0.005	0.02	11.1	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	1.81	1.81	< 0.005	< 0.005	< 0.005	1.83	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.69	0.58	5.3	7.3	0.01	0.19		0.19	0.17		0.17		1353	1353	0.05	0.01		1358
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.13	0.11	0.97	1.33	< 0.005	0.03		0.03	0.03		0.03		224	224	0.01	< 0.005		225
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.31	1.28	0.84	17.6	0	0	3.35	3.35	0	0.79	0.79		3628	3628	0.05	0.13	12	3679
Vendor	0.15	0.05	2.27	0.89	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1365	1365	0.08	0.2	3.02	1430
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.19	1.05	1.09	12.9	0	0	3.35	3.35	0	0.79	0.79		3223	3223	0.07	0.13	0.31	3265
Vendor	0.14	0.05	2.42	0.91	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1365	1365	0.08	0.2	0.08	1426
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.67	0.59	0.54	7.46	0	0	1.85	1.85	0	0.43	0.43		1866	1866	0.03	0.07	2.92	1891
Vendor	0.08	0.03	1.34	0.5	0.01	0.01	0.21	0.22	0.01	0.06	0.07		770	770	0.05	0.11	0.74	806
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.12	0.11	0.1	1.36	0	0	0.34	0.34	0	0.08	0.08		309	309	0.01	0.01	0.48	313
Vendor	0.01	0.01	0.25	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01		128	128	0.01	0.02	0.12	133
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Paving (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.88	0.74	6.94	9.95	0.01	0.3		0.3	0.27		0.27		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.03	0.03	0.27	0.38	< 0.005	0.01		0.01	0.01		0.01		58	58	< 0.005	< 0.005		58.2
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.05	0.07	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		9.6	9.6	< 0.005	< 0.005		9.63
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.05	0.58	0	0	0.15	0.15	0	0.04	0.04		146	146	< 0.005		0.01	0.01	148
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	0.01	0.01	0	< 0.005	< 0.005		5.73	5.73	< 0.005	< 0.005		0.01	5.81
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.95	0.95	< 0.005	< 0.005	< 0.005	0.96	
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Architectural Coating (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.14	0.11	0.83	1.13	< 0.005	0.02		0.02	0.02		0.02		134	134	0.01	< 0.005		134
Architectural Coatings		328																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Average Daily																		
Off-Road Ei	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		5.12	5.12	< 0.005	< 0.005		5.14
Architectural Coatings		12.6																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.85	0.85	< 0.005	< 0.005		0.85
Architectural Coatings		2.29																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.24	0.21	0.22	2.58	0	0	0.67	0.67	0	0.16	0.16		645	645	0.01	0.03	0.06	653
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.01	0.01	0.01	0.1	0	0	0.03	0.03	0	0.01	0.01		25.4	25.4	< 0.005	< 0.005	0.04	25.7
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.2	4.2	< 0.005	< 0.005	0.01	4.26
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	1/1/2027	1/11/2027	5	7	
Grading	Grading	1/12/2027	2/8/2027	5	20	
Building Cc	Building Cc	2/9/2027	########	5	206	
Paving	Paving	########	########	5	14	
Architectur	Architectur	########	########	5	14	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tir	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tir	Diesel	Average	1	8	367	0.4
Building Cc	Forklifts	Diesel	Average	3	8	82	0.2
Building Cc	Generator	Diesel	Average	1	8	14	0.74
Building Cc	Cranes	Diesel	Average	1	7	367	0.29
Building Cc	Welders	Diesel	Average	1	8	46	0.45

Building Cc	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Cc	Worker	332	14.3	LDA,LDT1,LDT2
Building Cc	Vendor	49.3	8.8	HHDT,MHDT
Building Cc	Hauling	0	20	HHDT
Building Cc	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redı	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	989537	329846	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material In	Material E>	Acres Grad	Material D	Acres Paved (acres)
Site Preparation			10.5	0	
Grading			60	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redı	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Pavec	% Asphalt
Apartments Low Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2027	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid ce

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (Had

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A

Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack l	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack l	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	42.6
AQ-PM	34
AQ-DPM	24.2
Drinking W	87.7
Lead Risk H	46.5
Pesticides	0
Toxic Relea	22
Traffic	61.2
Effect Indicators	
CleanUp Si	40.8
Groundwat	55.3
Haz Waste	30.2
Impaired W	43.8
Solid Wast	39
Sensitive Population	
Asthma	91.3
Cardio-vas	90.3
Low Birth W	79.8
Socioeconomic Factor Indicators	
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployr	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	9.072244
Employed	15.56525
Median HI	12.40857
Education	
Bachelor's	17.50289
High schoo	14.67984
Preschool e	74.27178
Transportation	
Auto Acces	16.95111
Active com	49.8396
Social	
2-parent h	10.38111
Voting	30.89953
Neighborhood	
Alcohol ava	49.86526
Park access	57.48749
Retail dens	47.01655
Supermark	29.53933
Tree canop	84.60157
Housing	
Homeowne	30.1681
Housing ha	28.23046
Low-inc ho	26.71628
Low-inc ren	30.95085
Uncrowdec	20.0308
Health Outcomes	
Insured ad	19.91531
Arthritis	12
Asthma ER	10
High Blood	6
Cancer (ex	50
Asthma	8.7
Coronary H	16
Chronic Ob	5
Diagnosed	10

Life Expect	9
Cognitively	18
Physically	44
Heart Attac	11
Mental Hea	16
Chronic Kid	11
Obesity	23
Pedestrian	55
Physical He	14
Stroke	6.5
Health Risk Behaviors	
Binge Drinl	94
Current Sm	5.6
No Leisure	14
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	42
Elderly	68
English Spe	13
Foreign-bo	70
Outdoor W	4.6
Climate Change Adaptive Capacity	
Impervious	47
Traffic Den	45
Traffic Acce	60
Other Indices	
Hardship	91
Other Decision Support	
2016 Votin	14

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	80
Healthy Pla	13
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	fifth of total project
Constructic	1/5 of total project
Screen	Justification
Land Use	25 percent of total before rezone
Constructic	1/5 of total project

ll. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
GEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone before (2028)
Constructic	1/1/2028
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.4
Location	38.496999247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	461	Dwelling U	37.5	488660	327122		1291	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	2.58	28.16028	11.8	30.3	0.03	0.32	3.73	4.05	0.3	0.89	1.18		7279	7279	0.22	0.24	13.5	7370
Daily, Winter (Max)																		
Unmit.	3.67	28.16028	27.5	29	0.06	1.14	7.84	8.99	1.05	3.98	5.03		6882	6882	0.27	0.35	0.35	6994
Average Daily (Max)																		
Unmit.	1.7	14	8.93	17.4	0.02	0.27	2.44	2.71	0.25	0.65	0.9		4500	4500	0.16	0.2	3.36	4567
Annual (Max)																		
Unmit.	0.31	2.55	1.63	3.18	< 0.005	0.05	0.45	0.49	0.04	0.12	0.16		745	745	0.03	0.03	0.56	756

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2028	2.58	28.16028	11.8	30.3	0.03	0.32	3.73	4.05	0.3	0.89	1.18		7279	7279	0.22	0.24	13.5	7370
Daily - Winter (Max)																		
2028	3.67	28.16028	27.5	29	0.06	1.14	7.84	8.99	1.05	3.98	5.03		6882	6882	0.27	0.35	0.35	6994
Average Daily																		
2028	1.7	14	8.93	17.4	0.02	0.27	2.44	2.71	0.25	0.65	0.9		4500	4500	0.16	0.2	3.36	4567
Annual																		
2028	0.31	2.55	1.63	3.18	< 0.005	0.05	0.45	0.49	0.04	0.12	0.16		745	745	0.03	0.03	0.56	756

3. Construction Emissions Details

3.1. Site Preparation (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.61	3.04	27.5	28.4	0.05	1.14		1.14	1.05		1.05		5300	5300	0.21	0.04		5318
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.07	0.06	0.53	0.54	< 0.005	0.02		0.02	0.02		0.02		102	102	< 0.005	< 0.005		102
Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.01	0.01	0.1	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.05	0.05	0.64	0	0	0.18	0.18	0	0.04	0.04		166	166	< 0.005	0.01	0.01	169
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.28	3.28	< 0.005	< 0.005	< 0.005	3.32
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.54	0.54	< 0.005	< 0.005	< 0.005	0.55
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.3. Grading (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.43	2.88	24.3	27.2	0.06	0.99		0.99	0.91		0.91		6598	6598	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.19	0.16	1.33	1.49	< 0.005	0.05		0.05	0.05		0.05		362	362	0.01	< 0.005		363

Report Tables

Daily Max lb

Year	ROG	NOx	PM10	PM2.5	PM10	PM2.5	CO2
2028	28.16028	27.5	8.99	5.03	0.49	0.16	756

Yearly Tons

Fuel Calcs

Tons/year

Year	Gasoline	Diesel
2028	314.15	442.42

Dust From Material Movement							0.2	0.2		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.03	0.03	0.24	0.27	< 0.005	0.01		0.01	0.01		0.01	59.9	59.9	< 0.005	< 0.005			60.1
Dust From Material Movement							0.04	0.04		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.06	0.06	0.73	0	0	0.2	0.2	0	0.05	0.05	190	190	< 0.005		0.01	0.02	193
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005	10.7	10.7	< 0.005	< 0.005	0.02	10.8	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005		0	< 0.005	< 0.005	1.77	1.77	< 0.005	< 0.005	< 0.005	1.79
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.18	0.99	8.92	12.9	0.02	0.3		0.3	0.28		0.28		2397	2397	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.18	0.99	8.92	12.9	0.02	0.3		0.3	0.28		0.28		2397	2397	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.67	0.56	5.04	7.3	0.01	0.17		0.17	0.16		0.16		1353	1353	0.05	0.01		1358
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.12	0.1	0.92	1.33	< 0.005	0.03		0.03	0.03		0.03		224	224	0.01	< 0.005		225
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.26	1.14	0.73	16.5	0	0	3.35	3.35	0	0.79	0.79		3553	3553	0.04	0.02	10.8	3572
Vendor	0.13	0.05	2.12	0.85	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1329	1329	0.08	0.2	2.68	1393
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.15	1.02	0.97	12.2	0	0	3.35	3.35	0	0.79	0.79		3157	3157	0.07	0.13	0.28	3198
Vendor	0.13	0.05	2.27	0.88	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1328	1328	0.08	0.2	0.07	1390
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.65	0.58	0.48	7.01	0	0	1.85	1.85	0	0.43	0.43		1828	1828	0.03	0.07	2.64	1853
Vendor	0.08	0.03	1.26	0.49	0.01	0.01	0.21	0.22	0.01	0.06	0.07		750	750	0.05	0.11	0.65	785
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.12	0.1	0.09	1.28	0	0	0.34	0.34	0	0.08	0.08		303	303	0.01	0.01	0.44	307
Vendor	0.01	0.01	0.23	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01		124	124	0.01	0.02	0.11	130
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Paving (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.82	0.69	6.63	9.91	0.01	0.26		0.26	0.24		0.24		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.03	0.03	0.25	0.38	< 0.005	0.01		0.01	0.01		0.01		58	58	< 0.005	< 0.005		58.2
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	< 0.005	0.05	0.07	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		9.6	9.6	< 0.005	< 0.005		9.63
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.04	0.55	0	0	0.15	0.15	0	0.04	0.04		143	143	< 0.005	0.01	0.01	145
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	0.01	0.01	0	< 0.005	< 0.005		5.61	5.61	< 0.005	< 0.005	0.01	5.69
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005		0	< 0.005	< 0.005	0.93	0.93	< 0.005	< 0.005	< 0.005	0.94
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.9. Architectural Coating (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.13	0.11	0.81	1.12	< 0.005	0.02		0.02	0.01		0.01		134	134	0.01	< 0.005		134
Architectural Coatings		353																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Average Daily																		
Off-Road Ei	< 0.005	< 0.005		0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		4.76	4.76	< 0.005	< 0.005		4.77
Architectural Coatings		12.6																	
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Annual																			
Off-Road Ei	< 0.005	< 0.005		0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.79	0.79	< 0.005	< 0.005		0.79
Architectural Coatings		2.29																	
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Offsite																			
Daily, Summer (Max)																			
Daily, Winter (Max)																			
Worker	0.23	0.2	0.19	2.43	0	0	0.67	0.67	0	0.16	0.16		631	631	0.01	0.03	0.06	640	
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Average Daily																			
Worker	0.01	0.01	0.01	0.09	0	0	0.02	0.02	0	0.01	0.01		23.1	23.1	< 0.005	< 0.005	0.03	23.4	
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Annual																			
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.82	3.82	< 0.005	< 0.005	0.01	3.87	
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	1/1/2028	1/11/2028	5	7	
Grading	Grading	1/12/2028	2/8/2028	5	20	
Building Cc	Building Cc	2/9/2028	########	5	206	
Paving	Paving	########	########	5	14	
Architectur	Architectur	########	########	5	13	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor
Site Prepar	Rubber Tir	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tir	Diesel	Average	1	8	367	0.4
Building Cc	Forklifts	Diesel	Average	3	8	82	0.2
Building Cc	Generator	Diesel	Average	1	8	14	0.74
Building Cc	Cranes	Diesel	Average	1	7	367	0.29
Building Cc	Welders	Diesel	Average	1	8	46	0.45

Building Cc	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Cc	Worker	332	14.3	LDA,LDT1,LDT2
Building Cc	Vendor	49.3	8.8	HHDT,MHDT
Building Cc	Hauling	0	20	HHDT
Building Cc	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redı	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	989537	329846	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material In	Material E>	Acres Grad	Material D	Acres Paved (acres)
Site Preparation			10.5	0	
Grading			60	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redı	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Pavec	% Asphalt
Apartments Low Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2028	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid ce

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (Had

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A

Wildfire	1	0	0 N/A
Flooding	0	0	0 N/A
Drought	0	0	0 N/A
Snowpack l N/A	N/A	N/A	N/A
Air Quality	0	0	0 N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack l	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	42.6
AQ-PM	34
AQ-DPM	24.2
Drinking W	87.7
Lead Risk H	46.5
Pesticides	0
Toxic Relea	22
Traffic	61.2
Effect Indicators	
CleanUp Si	40.8
Groundwat	55.3
Haz Waste	30.2
Impaired W	43.8
Solid Wast	39
Sensitive Population	
Asthma	91.3
Cardio-vas	90.3
Low Birth W	79.8
Socioeconomic Factor Indicators	
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployr	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	9.072244
Employed	15.56525
Median HI	12.40857
Education	
Bachelor's	17.50289
High schoo	14.67984
Preschool e	74.27178
Transportation	
Auto Acces	16.95111
Active com	49.8396
Social	
2-parent h	10.38111
Voting	30.89953
Neighborhood	
Alcohol ava	49.86526
Park access	57.48749
Retail dens	47.01655
Supermark	29.53933
Tree canop	84.60157
Housing	
Homeowne	30.1681
Housing ha	28.23046
Low-inc ho	26.71628
Low-inc ren	30.95085
Uncrowdec	20.0308
Health Outcomes	
Insured ad	19.91531
Arthritis	12
Asthma ER	10
High Blood	6
Cancer (ex	50
Asthma	8.7
Coronary H	16
Chronic Ob	5
Diagnosed	10

Life Expect	9
Cognitively	18
Physically	44
Heart Attac	11
Mental Hea	16
Chronic Kid	11
Obesity	23
Pedestrian	55
Physical He	14
Stroke	6.5
Health Risk Behaviors	
Binge Drinl	94
Current Sm	5.6
No Leisure	14
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	42
Elderly	68
English Spe	13
Foreign-bo	70
Outdoor W	4.6
Climate Change Adaptive Capacity	
Impervious	47
Traffic Den	45
Traffic Acce	60
Other Indices	
Hardship	91
Other Decision Support	
2016 Votin	14

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	80
Healthy Pla	13
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	fifth of total project
Constructic	1/5 of total project
Screen	Justification
Land Use	25 percent of total before rezone
Constructic	1/5 of total project

ll. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
GEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone before (2029)
Constructic	1/1/2029
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	36.4
Location	38.496999247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	461	Dwelling U	37.5	488660	327122		1291	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	2.49	28.00683	11.3	29.3	0.03	0.29	3.73	4.02	0.27	0.89	1.16		7175	7175	0.22	0.23	12.1	7262
Daily, Winter (Max)																		
Unmit.	3.59	28.00683	26	28.7	0.06	1.09	7.84	8.93	1	3.98	4.98		6786	6786	0.27	0.34	0.31	6895
Average Daily (Max)																		
Unmit.	1.65	13.9	8.46	17	0.02	0.25	2.44	2.69	0.23	0.65	0.88		4446	4446	0.15	0.2	2.99	4511
Annual (Max)																		
Unmit.	0.3	2.54	1.54	3.1	< 0.005	0.05	0.45	0.49	0.04	0.12	0.16		736	736	0.03	0.03	0.5	747

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2029	2.49	28.00683	11.3	29.3	0.03	0.29	3.73	4.02	0.27	0.89	1.16		7175	7175	0.22	0.23	12.1	7262
Daily - Winter (Max)																		
2029	3.59	28.00683	26	28.7	0.06	1.09	7.84	8.93	1	3.98	4.98		6786	6786	0.27	0.34	0.31	6895
Average Daily																		
2029	1.65	13.9	8.46	17	0.02	0.25	2.44	2.69	0.23	0.65	0.88		4446	4446	0.15	0.2	2.99	4511
Annual																		
2029	0.3	2.54	1.54	3.1	< 0.005	0.05	0.45	0.49	0.04	0.12	0.16		736	736	0.03	0.03	0.5	747

3. Construction Emissions Details

3.1. Site Preparation (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.53	2.97	25.9	28.1	0.05	1.09		1.09	1		1		5296	5296	0.21	0.04		5314
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.07	0.06	0.5	0.54	< 0.005	0.02		0.02	0.02		0.02		102	102	< 0.005	< 0.005		102
Dust From Material Movement							0.15	0.15		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road Ei	0.01	0.01	0.09	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.8	16.8	< 0.005	< 0.005		16.9
Dust From Material Movement							0.03	0.03		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.05	0.05	0.6	0	0	0.18	0.18	0	0.04	0.04		163	163	< 0.005	0.01	0.01	166
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		3.22	3.22	< 0.005	< 0.005	< 0.005	3.26
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.53	0.53	< 0.005	< 0.005	< 0.005	0.54
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.3. Grading (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road Ei	3.32	2.79	22.7	26.9	0.06	0.92		0.92	0.84		0.84		6596	6596	0.27	0.05		6619
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road Ei	0.18	0.15	1.25	1.47	< 0.005	0.05		0.05	0.05		0.05		361	361	0.01	< 0.005		363

Report Tables

Daily Max lb

Year	ROG	NOx	PM10	PM2.5	PM10	PM2.5	CO2
2029	28.00683	26	8.93	4.98	0.49	0.16	747

Yearly Tons

Fuel Calcs

Tons/year

Year	Gasoline	Diesel
2029	308.33	438.38

Dust From Material Movement							0.2	0.2		0.08	0.08							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.03	0.03	0.23	0.27	< 0.005	0.01		0.01	0.01		0.01	59.8	59.8	< 0.005	< 0.005			60
Dust From Material Movement							0.04	0.04		0.01	0.01							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.06	0.05	0.69	0	0	0.2	0.2	0	0.05	0.05	187	187	< 0.005		0.01	0.02	189
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005	10.5	10.5	< 0.005	< 0.005	0.01	10.6	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	1.74	1.74	< 0.005	< 0.005	< 0.005	1.76	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.15	0.97	8.58	12.9	0.02	0.28		0.28	0.25		0.25	2397	2397	0.1	0.02			2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.15	0.97	8.58	12.9	0.02	0.28		0.28	0.25		0.25	2397	2397	0.1	0.02			2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road E	0.65	0.54	4.84	7.28	0.01	0.16		0.16	0.14		0.14	1353	1353	0.05	0.01			1357
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.12	0.1	0.88	1.33	< 0.005	0.03		0.03	0.03		0.03	224	224	0.01	< 0.005			225
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.21	1.09	0.71	15.6	0	0	3.35	3.35	0	0.79	0.79	3489	3489	0.04	0.02	9.73	3507	
Vendor	0.13	0.04	1.98	0.82	0.01	0.02	0.37	0.39	0.02	0.1	0.12	1289	1289	0.08	0.19	2.34	1350	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.1	0.97	0.86	11.4	0	0	3.35	3.35	0	0.79	0.79	3101	3101	0.07	0.13	0.25	3142	
Vendor	0.12	0.04	2.12	0.84	0.01	0.02	0.37	0.39	0.02	0.1	0.12	1289	1289	0.08	0.19	0.06	1348	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	0.63	0.55	0.41	6.63	0	0	1.85	1.85	0	0.43	0.43	1796	1796	0.03	0.07	2.36	1820	
Vendor	0.07	0.02	1.18	0.47	0.01	0.01	0.21	0.22	0.01	0.06	0.07	728	728	0.05	0.11	0.57	761	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	0.11	0.1	0.07	1.21	0	0	0.34	0.34	0	0.08	0.08	297	297	< 0.005		0.01	0.39	301
Vendor	0.01	< 0.005	0.21	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	120	120	0.01	0.02	0.09	126	
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.7. Paving (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.8	0.67	6.46	9.92	0.01	0.24		0.24	0.22		0.22	1511	1511	0.06	0.01			1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road E	0.03	0.03	0.25	0.38	< 0.005	0.01		0.01	0.01		0.01	57.9	57.9	< 0.005	< 0.005			58.1
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	0.01	< 0.005	0.05	0.07	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	9.59	9.59	< 0.005	< 0.005			9.63
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.04	0.04	0.52	0	0	0.15	0.15	0	0.04	0.04	140	140	< 0.005		0.01	0.01	142
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	0.01	0.01	0	< 0.005	< 0.005	5.51	5.51	< 0.005	< 0.005	0.01	5.59	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.91	0.91	< 0.005	< 0.005	< 0.005	0.93	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.9. Architectural Coating (2029) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.12	0.1	0.79	1.11	< 0.005	0.01		0.01	0.01		0.01	134	134	0.01	< 0.005			134
Architectural Coatings		328																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Average Daily																		
Off-Road Ei	< 0.005	< 0.005		0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		5.12	5.12	< 0.005	< 0.005		5.14
Architectural Coatings		12.6																	
Onsite truc	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0
Annual																			
Off-Road Ei	< 0.005	< 0.005		0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.85	0.85	< 0.005	< 0.005		0.85
Architectural Coatings		2.29																	
Onsite truc	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0
Offsite																			
Daily, Summer (Max)																			
Daily, Winter (Max)																			
Worker	0.22	0.19	0.17	2.29	0	0	0.67	0.67	0	0.16	0.16			620	620	0.01	0.03	0.05	628
Vendor	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0
Average Daily																			
Worker	0.01	0.01	0.01	0.09	0	0	0.03	0.03	0	0.01	0.01			24.4	24.4	< 0.005	< 0.005	0.03	24.7
Vendor	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0
Annual																			
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005			4.04	4.04	< 0.005	< 0.005	0.01	4.1
Vendor	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	1/1/2029	1/9/2029	5	7	
Grading	Grading	1/10/2029	2/6/2029	5	20	
Building Cc	Building Cc	2/7/2029	########	5	206	
Paving	Paving	########	########	5	14	
Architectur	Architectur	########	########	5	14	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tir	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tir	Diesel	Average	1	8	367	0.4
Building Cc	Forklifts	Diesel	Average	3	8	82	0.2
Building Cc	Generator	Diesel	Average	1	8	14	0.74
Building Cc	Cranes	Diesel	Average	1	7	367	0.29
Building Cc	Welders	Diesel	Average	1	8	46	0.45

Building Cc	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Cc	Worker	332	14.3	LDA,LDT1,LDT2
Building Cc	Vendor	49.3	8.8	HHDT,MHDT
Building Cc	Hauling	0	20	HHDT
Building Cc	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redı	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	989537	329846	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material In	Material E>	Acres Grad	Material D	Acres Paved (acres)
Site Preparation			10.5	0	
Grading			60	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redı	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Pavec	% Asphalt
Apartments Low Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Y	CO2	CH4	N2O
2029	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid ce

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (Had

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A

Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	42.6
AQ-PM	34
AQ-DPM	24.2
Drinking W	87.7
Lead Risk H	46.5
Pesticides	0
Toxic Relea	22
Traffic	61.2
Effect Indicators	
CleanUp Si	40.8
Groundwat	55.3
Haz Waste	30.2
Impaired W	43.8
Solid Waste	39
Sensitive Population	
Asthma	91.3
Cardio-vas	90.3
Low Birth W	79.8
Socioeconomic Factor Indicators	
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployr	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	9.072244
Employed	15.56525
Median HI	12.40857
Education	
Bachelor's	17.50289
High schoo	14.67984
Preschool e	74.27178
Transportation	
Auto Acces	16.95111
Active com	49.8396
Social	
2-parent h	10.38111
Voting	30.89953
Neighborhood	
Alcohol ava	49.86526
Park access	57.48749
Retail dens	47.01655
Supermark	29.53933
Tree canop	84.60157
Housing	
Homeowne	30.1681
Housing ha	28.23046
Low-inc ho	26.71628
Low-inc ren	30.95085
Uncrowdec	20.0308
Health Outcomes	
Insured ad	19.91531
Arthritis	12
Asthma ER	10
High Blood	6
Cancer (ex	50
Asthma	8.7
Coronary H	16
Chronic Ob	5
Diagnosed	10

Life Expect	9
Cognitively	18
Physically	44
Heart Attac	11
Mental Hea	16
Chronic Kid	11
Obesity	23
Pedestrian	55
Physical He	14
Stroke	6.5
Health Risk Behaviors	
Binge Drinl	94
Current Sm	5.6
No Leisure	14
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	42
Elderly	68
English Spe	13
Foreign-bo	70
Outdoor W	4.6
Climate Change Adaptive Capacity	
Impervious	47
Traffic Den	45
Traffic Acce	60
Other Indices	
Hardship	91
Other Decision Support	
2016 Votin	14

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	80
Healthy Pla	13
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	fifth of total project before rezone
Constructic	1/5 of total project
Screen	Justification
Land Use	25 percent of total before rezone
Constructic	1/5 of total project

ll. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
GEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information
1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone Fair Oaks (before)
Constructic	1/1/2025
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3.5
Precipitatic	39.2
Location	38.637469230516956, -121.32836613666706
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	619
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	25	Dwelling U	1.25	26500	10890		70	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary
2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.		1.37	49.9	9.14	11.2	0.02	0.33	0.2	0.53	0.3	0.05	0.35	2083	2083	0.08	0.03	0.99	2096
Daily, Winter (Max)																		
Unmit.		1.84	1.55	14.1	15	0.02	0.64	2.86	3.51	0.59	1.36	1.95	2555	2555	0.1	0.03	0.03	2565
Average Daily (Max)																		
Unmit.		0.4	1.01	2.69	3.22	0.01	0.1	0.08	0.18	0.09	0.02	0.11	603	603	0.02	0.01	0.12	607
Annual (Max)																		
Unmit.		0.07	0.19	0.49	0.59	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	99.9	99.9	< 0.005	< 0.005	0.02	100

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	1.37	3.282895	9.14	11.2	0.02	0.33	0.2	0.53	0.3	0.05	0.35		2083	2083	0.08	0.03	0.99	2096
Daily - Winter (Max)																		
2025	1.84	3.282895	14.1	15	0.02	0.64	2.86	3.51	0.59	1.36	1.95		2555	2555	0.1	0.03	0.03	2565
Average Daily																		
2025	0.4	1.01	2.69	3.22	0.01	0.1	0.08	0.18	0.09	0.02	0.11		603	603	0.02	0.01	0.12	607
Annual																		
2025	0.07	0.0125	0.49	0.59	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02		99.9	99.9	< 0.005	< 0.005	0.02	100

3. Construction Emissions Details
3.1. Site Preparation (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E		1.56	1.31	12.1	12.1	0.02	0.56		0.56	0.52		0.52	2065	2065	0.08	0.02		2072
Dust From Material Movement								2.44	2.44		1.17	1.17						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road E		< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	5.66	5.66	< 0.005	< 0.005		5.68
Dust From Material Movement								0.01	0.01		< 0.005	< 0.005						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E		< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0.94	0.94	< 0.005	< 0.005		0.94
Dust From Material Movement								< 0.005	< 0.005		< 0.005	< 0.005						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker		0.03	0.03	0.03	0.33	0	0	0.08	0.08	0	0.02	0.02	75.6	75.6	< 0.005	< 0.005	0.01	76.5
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker		< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker		< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.3. Grading (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E		1.8	1.51	14.1	14.5	0.02	0.64		0.64	0.59		0.59	2455	2455	0.1	0.02		2463
Dust From Material Movement								2.76	2.76		1.34	1.34						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road E		0.01	0.01	0.08	0.08	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	13.5	13.5	< 0.005	< 0.005		13.5
Dust From Material Movement								0.02	0.02		0.01	0.01						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E		< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	2.23	2.23	< 0.005	< 0.005		2.23
Dust From Material Movement								< 0.005	< 0.005		< 0.005	< 0.005						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker		0.04	0.04	0.04	0.44	0	0	0.1	0.1	0	0.02	0.02	101	101	< 0.005	< 0.005	0.01	102
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	3	14	4	2	100	0.03	0.02

Yearly

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	0.47	2.01	0.50	0.28	14.28571		

Emissions per capita

ROG	NOx	PM10	PM2.5	CO2
0.047	0.201	0.050	0.028	1.428571

Fuel Calcs

Tons/year

Year	Gasoline	Diesel
2025	9.09	91.4

Note: gasoline = worker emissions; Diesel = vendor + offroad eq

Average Daily																	
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.57	0.57	< 0.005	< 0.005	< 0.005	0.57
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.09	0.09	< 0.005	< 0.005	< 0.005	0.1
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E		1.28	1.07	8.95	10	0.02	0.33		0.33	0.3		0.3	1801	1801	0.07	0.01		1807
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E		1.28	1.07	8.95	10	0.02	0.33		0.33	0.3		0.3	1801	1801	0.07	0.01		1807
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road E		0.35	0.29	2.45	2.75	0.01	0.09		0.09	0.08		0.08	493	493	0.02	< 0.005		495
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E		0.06	0.05	0.45	0.5	< 0.005	0.02		0.02	0.02		0.02	81.7	81.7	< 0.005	< 0.005		82
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker		0.08	0.08	0.05	1.08	0	0	0.18	0.18	0	0.04	0.04	204	204	< 0.005	0.01	0.78	207
Vendor		0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	77.3	77.3	0.01	0.01	0.2	81
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Worker		0.08	0.07	0.07	0.8	0	0	0.18	0.18	0	0.04	0.04	181	181	< 0.005	0.01	0.02	184
Vendor		0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	77.3	77.3	0.01	0.01	0.01	80.8
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker		0.02	0.02	0.02	0.22	0	0	0.05	0.05	0	0.01	0.01	51	51	< 0.005	< 0.005	0.09	51.7
Vendor		< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	21.2	21.2	< 0.005	< 0.005	0.02	22.2
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker		< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005	8.44	8.44	< 0.005	< 0.005	0.02	8.56
Vendor		< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	3.51	3.51	< 0.005	< 0.005	< 0.005	3.67
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.7. Paving (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E		0.59	0.49	4.63	6.5	0.01	0.2		0.2	0.19		0.19	992	992	0.04	0.01		995
Paving			0															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road E		0.01	0.01	0.06	0.09	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	13.6	13.6	< 0.005	< 0.005		13.6
Paving			0															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		2.25	2.25	< 0.005	< 0.005		2.26
Paving			0															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker		0.06	0.05	0.04	0.75	0	0	0.13	0.13	0	0.03	0.03	142	142	< 0.005	0.01	0.54	144
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Worker		< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	1.77	1.77	< 0.005	< 0.005	< 0.005	1.8
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker		< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.29	0.29	< 0.005	< 0.005	< 0.005	0.3
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.9. Architectural Coating (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E		0.15	0.13	0.88	1.14	< 0.005	0.03		0.03	0.03		0.03	134	134	0.01	< 0.005		134
Architectural Coatings			49.8															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road E	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		1.83	1.83	< 0.005	< 0.005		1.84
Architectural Coatings			0.68															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.3	0.3	< 0.005	< 0.005		0.3
Architectural Coatings			0.12															
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker		0.02	0.02	0.01	0.22	0	0	0.04	0.04	0	0.01	0.01	40.9	40.9	< 0.005	< 0.005	0.16	41.5
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Worker		< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.51	0.51	< 0.005	< 0.005	< 0.005	0.52
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker		< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	1/1/2025	1/1/2025	5	1	
Grading	Grading	1/2/2025	1/3/2025	5	2	
Building Co	Building Co	1/4/2025	########	5	100	
Paving	Paving	########	########	5	5	
Architectur	Architectur	########	6/6/2025	5	5	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Graders	Diesel	Average	1	8	148	0.41
Site Prepar	Tractors/Lc	Diesel	Average	1	8	84	0.37
Site Prepar	Rubber Tire	Diesel	Average	1	7	367	0.4
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Rubber Tire	Diesel	Average	1	8	367	0.4
Grading	Tractors/Lc	Diesel	Average	2	7	84	0.37
Building Co	Cranes	Diesel	Average	1	6	367	0.29
Building Co	Forklifts	Diesel	Average	1	6	82	0.2
Building Co	Tractors/Lc	Diesel	Average	1	6	84	0.37
Building Co	Generator	Diesel	Average	1	8	14	0.74
Building Co	Welders	Diesel	Average	3	8	46	0.45
Paving	Tractors/Lc	Diesel	Average	1	8	84	0.37
Paving	Cement an	Diesel	Average	1	6	10	0.56
Paving	Pavers	Diesel	Average	1	6	81	0.42
Paving	Rollers	Diesel	Average	1	7	36	0.38
Paving	Paving Equ	Diesel	Average	1	8	89	0.36
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	7.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	10	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Co	Worker	18	14.3	LDA,LDT1,LDT2
Building Co	Vendor	2.67	8.8	HHDT,MHDT
Building Co	Hauling	0	20	HHDT
Building Co	Onsite truck			HHDT
Paving				
Paving	Worker	12.5	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	3.6	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles
5.4.1. Construction Vehicle Control Strategies
Control Str PM10 Redu PM2.5 Reduction

5.5. Architectural Coatings
Phase Nam Residential Residential Non-Residei Non-Residei Parking Area Coated (sq ft)
Architectur 53663 17888 0 0

5.6. Dust Mitigation
5.6.1. Construction Earthmoving Activities
Phase Nam Material Im Material Ex Acres Grad Material Di Acres Paved (acres)
Site Preparation 0.94 0
Grading 2 0
Paving 0 0 0 0

5.6.2. Construction Earthmoving Control Strategies
Control Str Frequency PM10 Redu PM2.5 Reduction
Water Exp 2 61 61
Water Den 2 36 36

5.7. Construction Paving
Land Use Area Paved % Asphalt
Apartments Low Rise 0

5.8. Construction Electricity Consumption and Emissions Factors
Year kWh per Yea CO2 CH4 N2O
2025 0 375 0.01 < 0.005

5.18. Vegetation
5.18.1. Land Use Change
5.18.1.1. Unmitigated
Vegetation Vegetation Initial Acres Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated
Biomass Co Initial Acres Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated
Tree Type Number Electricity S Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.
Climate Ha Result for F Unit
Temperatu 24.1 annual days of extreme heat
Extreme Pr 6.45 annual days with precipitation above 20 mm
Sea Level Rise meters of inundation depth
Wildfire 0.69 annual hectares burned
Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 m
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (Ca

6.2. Initial Climate Risk Scores
Climate Ha Exposure S Sensitivity S Adaptive C Vulnerability Score
Temperatu 2 0 0 N/A
Extreme Pr 2 0 0 N/A
Sea Level R N/A N/A N/A N/A
Wildfire 1 0 0 N/A
Flooding 0 0 0 N/A
Drought 0 0 0 N/A
Snowpack N/A N/A N/A N/A
Air Quality 0 0 0 N/A
The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores
Climate Ha Exposure S Sensitivity S Adaptive C Vulnerability Score
Temperatu 2 1 1 3
Extreme Pr 2 1 1 3
Sea Level R N/A N/A N/A N/A
Wildfire 1 1 1 2
Flooding 1 1 1 2
Drought 1 1 1 2
Snowpack N/A N/A N/A N/A
Air Quality 1 1 1 2
The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures
7. Health and Equity Details
7.1. CalEnviroScreen 4.0 Scores
The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
Indicator Result for Project Census Tract
Exposure Indicators
AQ-Ozone 59.7
AQ-PM 39.5
AQ-DPM 50.3
Drinking W 47.8
Lead Risk H 54.5
Pesticides 0
Toxic Relea 20.9
Traffic 21.4
Effect Indicators
CleanUp Si 18.7
Groundwa 78.3
Haz Waste 59.8
Impaired W 77.3
Solid Waste 0
Sensitive Population
Asthma 88.7
Cardio-vas 62.6

Low Birth V	7.38
Socioeconomic Factor Indicators	
Education	25.1
Housing	70.2
Linguistic	37
Poverty	67.4
Unemployr	14.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	37.16156
Employed	15.56525
Median HI	23.82908
Education	
Bachelor's	54.33081
High schoo	26.62646
Preschool e	15.20595
Transportation	
Auto Acces	28.94906
Active com	46.06698
Social	
2-parent h	11.18953
Voting	74.93905
Neighborhood	
Alcohol ava	37.77749
Park access	30.25792
Retail dens	94.59772
Supermark	42.71782
Tree canop	91.62069
Housing	
Homeowne	51.98255
Housing ha	41.55011
Low-inc ho	37.45669
Low-inc re	6.736815
Uncrowdec	66.91903
Health Outcomes	
Insured ad	47.9148
Arthritis	0
Asthma ER	6
High Blood	0
Cancer (ex	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	11
Cognitively	14
Physically	27
Heart Atta	49
Mental He	0
Chronic Kic	0
Obesity	0
Pedestrian	53
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	67
Elderly	28
English Spe	75
Foreign-bo	11
Outdoor W	47
Climate Change Adaptive Capacity	
Impervious	61
Traffic Den	60
Traffic Acc	23
Other Indices	
Hardship	64
Other Decision Support	
2016 Votin	65

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	47
Healthy Pla	30
Project Loc	No
Project Loc	Yes
Project Loc	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possibl	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Constructic	no demo
Land Use	PD

ıeters
nESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information
1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone North Watt (before)
Constructic	6/7/2025
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3.5
Precipitatic	39.2
Location	38.66735756395545, -121.38321539651498
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	657
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	505	Dwelling U	21.3	535300	185653		1414	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary
2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.		4.02	3.38	31.7	36	0.06	1.37	7.84	9.21	1.26	3.98	5.24	8086	8086	0.27	0.4	19.9	8231
Daily, Winter (Max)																		
Unmit.		3.05	252	14.8	30.3	0.03	0.45	4.08	4.54	0.42	0.97	1.39	7623	7623	0.29	0.4	0.52	7749
Average Daily (Max)																		
Unmit.		1.99	13.9	9.79	21	0.02	0.29	2.84	3.13	0.26	0.68	0.94	5439	5439	0.19	0.28	5.59	5534
Annual (Max)																		
Unmit.		0.36	2.53	1.79	3.83	< 0.005	0.05	0.52	0.57	0.05	0.12	0.17	901	901	0.03	0.05	0.93	916

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	4.02	3.38	31.7	36	0.06	1.37	7.84	9.21	1.26	3.98	5.24		8086	8086	0.27	0.4	19.9	8231
2026	3.04	17.73399	13.4	34.5	0.03	0.4	4.08	4.48	0.37	0.97	1.34		7974	7974	0.25	0.39	18.1	8114
Daily - Winter (Max)																		
2025	3.05	2.55	14.8	30.3	0.03	0.45	4.08	4.54	0.42	0.97	1.39		7623	7623	0.29	0.4	0.52	7749
2026	2.8	17.73399	13.9	29.1	0.03	0.4	4.08	4.48	0.37	0.97	1.34		7520	7520	0.28	0.4	0.47	7646
2027	2.69	17.73399	13.2	28.1	0.03	0.36	4.08	4.44	0.33	0.97	1.3		7422	7422	0.27	0.39	0.43	7544
Average Daily																		
2025	1.35	1.14	7.87	12.3	0.02	0.28	1.71	1.99	0.26	0.52	0.78		2993	2993	0.11	0.12	2.48	3034
2026	1.99	1.74	9.79	21	0.02	0.29	2.84	3.13	0.26	0.68	0.94		5439	5439	0.19	0.28	5.59	5534
2027	0.11	13.9	0.64	1.24	< 0.005	0.02	0.11	0.13	0.02	0.03	0.05		256	256	0.01	0.01	0.19	259
Annual																		
2025	0.25	0.21	1.44	2.25	< 0.005	0.05	0.31	0.36	0.05	0.09	0.14		496	496	0.02	0.02	0.41	502
2026	0.36	0.178044	1.79	3.83	< 0.005	0.05	0.52	0.57	0.05	0.12	0.17		901	901	0.03	0.05	0.93	916
2027	0.02	0.178044	0.12	0.23	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01		42.3	42.3	< 0.005	< 0.005	0.03	42.8

3. Construction Emissions Details
3.1. Site Preparation (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E		3.94	3.31	31.6	30.2	0.05	1.37		1.37	1.26		1.26	5295	5295	0.21	0.04		5314
Dust From Material Movement								7.67	7.67		3.94	3.94						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road E		0.11	0.09	0.87	0.83	< 0.005	0.04		0.04	0.03		0.03	145	145	0.01	< 0.005		146
Dust From Material Movement								0.21	0.21		0.11	0.11						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E		0.02	0.02	0.16	0.15	< 0.005	0.01		0.01	0.01		0.01	24	24	< 0.005	< 0.005		24.1
Dust From Material Movement								0.04	0.04		0.02	0.02						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker		0.08	0.07	0.05	1.05	0	0	0.18	0.18	0	0.04	0.04	199	199	< 0.005	0.01	0.76	202
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Worker		< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	4.96	4.96	< 0.005	< 0.005	0.01	5.03
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker		< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.82	0.82	< 0.005	< 0.005	< 0.005	0.83
Vendor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.3. Grading (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E		3.8	3.2	29.7	28.3	0.06	1.23		1.23	1.14		1.14	6599	6599	0.27	0.05		6622
Dust From Material Movement								3.59	3.59		1.42	1.42						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road E		0.36	0.31	2.85	2.71	0.01	0.12		0.12	0.11		0.11	633	633	0.03	0.01		635
Dust From Material Movement								0.34	0.34		0.14	0.14						
Onsite truc		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E		0.07	0.06	0.52	0.5	< 0.005	0.02		0.02	0.02		0.02	105	105	< 0.005	< 0.005		105
Dust From Material Movement								0.06	0.06		0.02	0.02						

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	3	32	9	5	502	0.36	0.14
2026	18	14	4	1	916	0.57	0.17
2027	18	13	4	1	42.8	0.02	0.01

Yearly

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	3	32	9	5	502	0.36	0.14
2026	18	14	4	1	916	0.57	0.17
2027	18	13	4	1	42.8	0.02	0.01

Emissions Per Capita

Year	ROG	NOx	PM10	PM2.5	CO2
2025	0.002	0.022	0.007	0.004	0.35502
2026	0.013	0.010	0.003	0.001	0.64781
2027	0.013	0.009	0.003	0.001	0.03027
Average	0.009	0.014	0.004	0.002	0.34437

Fuel Calcs

Tons/year Note: gasoline = worker emissions; Diesel = vendor + offroad eq

Year	Gasoline	Diesel
2025	183.16	318.9
2026	442	473
2027	17.55	25.3

Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																	
Daily, Summer (Max)																	
Worker	0.09	0.08	0.06	1.21	0	0	0.2	0.2	0	0.05	0.05	227	227	< 0.005	0.01	0.87	230
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																	
Average Daily																	
Worker	0.01	0.01	0.01	0.09	0	0	0.02	0.02	0	< 0.005	< 0.005	19.8	19.8	< 0.005	< 0.005	0.04	20.1
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	3.28	3.28	< 0.005	< 0.005	0.01	3.33
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.38	0.32	2.96	3.7	0.01	0.12		0.12	0.11		0.11		680	680	0.03	0.01		683
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.07	0.06	0.54	0.68	< 0.005	0.02		0.02	0.02		0.02		113	113	< 0.005	< 0.005		113
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.67	1.54	1.06	21.9	0	0	3.67	3.67	0	0.86	0.86		4127	4127	0.06	0.15	15.9	4188
Vendor	0.17	0.07	2.83	1.05	0.01	0.02	0.41	0.43	0.02	0.11	0.13		1561	1561	0.1	0.23	4.06	1637
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.53	1.37	1.34	16.1	0	0	3.67	3.67	0	0.86	0.86		3664	3664	0.09	0.15	0.41	3711
Vendor	0.17	0.05	3.03	1.07	0.01	0.02	0.41	0.43	0.02	0.11	0.13		1561	1561	0.1	0.23	0.11	1632
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.43	0.39	0.34	4.68	0	0	1.02	1.02	0	0.24	0.24		1067	1067	0.02	0.04	1.94	1082
Vendor	0.05	0.02	0.85	0.3	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04		443	443	0.03	0.07	0.5	464
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.08	0.07	0.06	0.85	0	0	0.19	0.19	0	0.04	0.04		177	177	< 0.005	0.01	0.32	179
Vendor	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01		73.3	73.3	< 0.005	0.01	0.08	76.8
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Building Construction (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.91	0.77	7.04	9.26	0.02	0.27		0.27	0.25		0.25		1712	1712	0.07	0.01		1718
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.17	0.14	1.28	1.69	< 0.005	0.05		0.05	0.05		0.05		283	283	0.01	< 0.005		284
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.6	1.46	0.94	20.5	0	0	3.67	3.67	0	0.86	0.86		4047	4047	0.06	0.14	14.5	4104
Vendor	0.16	0.06	2.65	1.01	0.01	0.02	0.41	0.43	0.02	0.11	0.13		1530	1530	0.1	0.23	3.68	1605
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.36	1.32	1.21	15.1	0	0	3.67	3.67	0	0.86	0.86		3594	3594	0.08	0.15	0.38	3640
Vendor	0.16	0.05	2.84	1.03	0.01	0.02	0.41	0.43	0.02	0.11	0.13		1529	1529	0.1	0.23	0.1	1600
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.96	0.94	0.76	11	0	0	2.56	2.56	0	0.6	0.6		2634	2634	0.05	0.1	4.46	2671
Vendor	0.11	0.04	1.99	0.73	0.01	0.02	0.29	0.3	0.01	0.08	0.09		1093	1093	0.07	0.16	1.13	1144
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.18	0.17	0.14	2	0	0	0.47	0.47	0	0.11	0.11		436	436	0.01	0.02	0.74	442
Vendor	0.02	0.01	0.36	0.13	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02		181	181	0.01	0.03	0.19	189
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Building Construction (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.02	0.02	0.15	0.2	< 0.005	0.01		0.01	< 0.005		< 0.005		37.5	37.5	< 0.005	< 0.005		37.7
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		6.21	6.21	< 0.005	< 0.005		6.23
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	1.3	1.15	1.2	14.1	0	0	3.67	3.67	0	0.86	0.86		3530	3530	0.08	0.15	0.34	3576
Vendor	0.16	0.05	2.65	1	0.01	0.02	0.41	0.43	0.02	0.11	0.13		1495	1495	0.09	0.22	0.09	1562
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.02	0.02	0.02	0.23	0	0	0.06	0.06	0	0.01	0.01		56.7	56.7	< 0.005	< 0.005	0.09	57.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005		23.4	23.4	< 0.005	< 0.005	0.02	24.5
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Annual																				
Worker	< 0.005	< 0.005	< 0.005	0.04	0	0	0.01	0.01	0	< 0.005	< 0.005		9.39	9.39	< 0.005	< 0.005	0.01	9.52		
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		3.87	3.87	< 0.005	< 0.005	< 0.005	4.05		
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0		

3.11. Paving (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.88	0.74	6.94	9.95	0.01	0.3		0.3	0.27		0.27		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.05	0.04	0.38	0.55	< 0.005	0.02		0.02	0.02		0.02		82.8	82.8	< 0.005	< 0.005		83.1
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.07	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		13.7	13.7	< 0.005	< 0.005		13.8
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.05	0.58	0	0	0.15	0.15	0	0.04	0.04		146	146	< 0.005	0.01	0.01	148
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005		8.19	8.19	< 0.005	< 0.005	0.01	8.3
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.36	1.36	< 0.005	< 0.005	< 0.005	1.37
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.13. Architectural Coating (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.14	0.11	0.83	1.13	< 0.005	0.02		0.02	0.02		0.02		134	134	0.01	< 0.005		134
Architectural Coatings		251																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.01	0.01	0.05	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		7.32	7.32	< 0.005	< 0.005		7.34
Architectural Coatings		13.8																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		1.21	1.21	< 0.005	< 0.005		1.22
Architectural Coatings		2.51																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.26	0.23	0.24	2.83	0	0	0.73	0.73	0	0.17	0.17		706	706	0.02	0.03	0.07	715
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.01	0.01	0.01	0.16	0	0	0.04	0.04	0	0.01	0.01		39.7	39.7	< 0.005	< 0.005	0.06	40.2
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005		6.57	6.57	< 0.005	< 0.005	0.01	6.66
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

Annual
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

5. Activity Data
5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	6/7/2025	########	5	10	
Grading	Grading	########	8/8/2025	5	35	
Building Co	Building Co	8/9/2025	1/8/2027	5	370	
Paving	Paving	1/9/2027	2/5/2027	5	20	
Architectur	Architectur	2/6/2027	3/5/2027	5	20	

5.2. Off-Road Equipment
5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tire	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Rubber Tire	Diesel	Average	1	8	367	0.4
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Building Co	Cranes	Diesel	Average	1	7	367	0.29
Building Co	Forklifts	Diesel	Average	3	8	82	0.2
Building Co	Generator	Diesel	Average	1	8	14	0.74
Building Co	Welders	Diesel	Average	1	8	46	0.45
Building Co	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles
5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Co	Worker	364	14.3	LDA,LDT1,LDT2
Building Co	Vendor	54	8.8	HHDT,MHDT
Building Co	Hauling	0	20	HHDT
Building Co	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	72.7	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles
5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redu	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	1083983	361328	0	0	

5.6. Dust Mitigation
5.6.1. Construction Earthmoving Activities

Phase Nam	Material Im	Material Ex	Acres Grad	Material De	Acres Paved (acres)
Site Preparation			15	0	
Grading			105	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redu	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Paved	% Asphalt
Apartments Low Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Ye	CO2	CH4	N2O
2025	0	375	0.01	< 0.005
2026	0	375	0.01	< 0.005
2027	0	375	0.01	< 0.005

5.18. Vegetation
5.18.1. Land Use Change
5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	21.8	annual days of extreme heat
Extreme Pr	6.35	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 m
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (Ca

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures
7. Health and Equity Details
7.1. CalEnviroScreen 4.0 Scores
The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	58.2
AQ-PM	37.4
AQ-DPM	27.5
Drinking W	61.1
Lead Risk H	92.2
Pesticides	7.24
Toxic Relea	21.8
Traffic	47
Effect Indicators	
CleanUp Si	80.9
Groundwa	99.2
Haz Waste	61.6
Impaired W	0
Solid Waste	52.9
Sensitive Population	
Asthma	93.4
Cardio-vas	69.2
Low Birth W	79.4
Socioeconomic Factor Indicators	
Education	62.9
Housing	73.4
Linguistic	39.2
Poverty	91.6
Unemployr	65.6

7.2. Healthy Places Index Scores
The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	10.16297
Employed	6.274862
Median HI	6.672655
Education	
Bachelor's	19.73566
High schoo	12.79353
Preschool e	42.65366
Transportation	
Auto Acces	24.89414
Active com	74.06647
Social	
2-parent h	39.00937
Voting	13.02451
Neighborhood	
Alcohol ava	41.65277
Park access	47.42718
Retail dens	38.27794
Supermark	72.19299
Tree canop	82.34313
Housing	
Homeowne	23.13615
Housing ha	24.9198
Low-inc ho	13.20416
Low-inc re	43.79571
Uncrowdec	25.44591

Health Outcomes
Insured ad 37.80316
Arthritis 0
Asthma ER 5.9
High Blood 0
Cancer (ex 0
Asthma 0
Coronary H 0
Chronic Ob 0
Diagnosed 0
Life Expect 5.5
Cognitively 4
Physically 5.6
Heart Atta 17
Mental He 0
Chronic Kid 0
Obesity 0
Pedestrian 97
Physical He 0
Stroke 0
Health Risk Behaviors
Binge Drink 0
Current Sm 0
No Leisure 0
Climate Change Exposures
Wildfire Ris 0
SLR Inunda 0
Children 16
Elderly 68
English Spe 43
Foreign-bo 30
Outdoor W 49
Climate Change Adaptive Capacity
Impervious 51
Traffic Den 47
Traffic Acce 66
Other Indices
Hardship 81
Other Decision Support
2016 Votin 6.4

7.3. Overall Health & Equity Scores
Metric Result for Project Census Tract
CalEnviroSc 83
Healthy Pla 13
Project Loc Yes
Project Loc Yes
Project Loc No
a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures
Measure Ti Co-Benefits Achieved

7.5. Evaluation Scorecard
Category Number of Total Point Max Possib Weighted Score

7.6. Health & Equity Custom Measures
Measure Ti Sponsor

8. User Changes to Default Data
Screen Justification
Land Use 20% of total lot acreage is landscaped as in GP
Constructi no demo

ıeters
nESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information
1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone Old Florin (before)
Constructic	3/6/2027
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	37.8
Location	38.49656099729435, -121.39733654991514
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	774
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	503	Dwelling U	25.2	533180	219717		1408	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title

2. Emissions Summary
2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	3.58	3.02	25.6	33.1	0.06	1.04	4.07	4.83	0.96	1.47	2.43		7845	7845	0.27	0.38	16.4	7979
Daily, Winter (Max)																		
Unmit.	3.69	251	28	29	0.06	1.17	7.84	9.01	1.08	3.98	5.06		7402	7402	0.27	0.38	0.43	7524
Average Daily (Max)																		
Unmit.	1.69	15	9.3	16.7	0.02	0.3	2.43	2.73	0.28	0.69	0.96		4292	4292	0.15	0.21	3.56	4354
Annual (Max)																		
Unmit.	0.31	2.73	1.7	3.04	< 0.005	0.05	0.44	0.5	0.05	0.13	0.18		711	711	0.02	0.03	0.59	721

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2027	3.58	16.1242	25.6	33.1	0.06	1.04	4.07	4.83	0.96	1.47	2.43		7845	7845	0.27	0.38	16.4	7979
2028	2.71	16.1242	12	31.9	0.03	0.32	4.07	4.39	0.3	0.97	1.26		7724	7724	0.24	0.26	14.7	7823
Daily - Winter (Max)																		
2027	3.69	16.1242	28	29	0.06	1.17	7.84	9.01	1.08	3.98	5.06		7402	7402	0.27	0.38	0.43	7524
2028	2.59	16.1242	12.5	27.2	0.03	0.32	4.07	4.39	0.3	0.97	1.26		7291	7291	0.26	0.38	0.38	7412
Average Daily																		
2027	1.69	1.41	9.3	16.7	0.02	0.3	2.43	2.73	0.28	0.69	0.96		4292	4292	0.15	0.18	3.33	4354
2028	1.48	15	7.15	15.8	0.02	0.19	2.22	2.41	0.18	0.53	0.7		4181	4181	0.14	0.21	3.56	4251
Annual																		
2027	0.31	0.175375	1.7	3.04	< 0.005	0.05	0.44	0.5	0.05	0.13	0.18		711	711	0.02	0.03	0.55	721
2028	0.27	0.175375	1.3	2.89	< 0.005	0.03	0.41	0.44	0.03	0.1	0.13		692	692	0.02	0.03	0.59	704

3. Construction Emissions Details
3.1. Site Preparation (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.63	3.05	28	28.3	0.05	1.17		1.17	1.08		1.08		5298	5298	0.21	0.04		5316
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.1	0.08	0.77	0.77	< 0.005	0.03		0.03	0.03		0.03		145	145	0.01	< 0.005		146
Dust From Material Movement							0.21	0.21		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.02	0.02	0.14	0.14	< 0.005	0.01		0.01	0.01		0.01		24	24	< 0.005	< 0.005		24.1
Dust From Material Movement							0.04	0.04		0.02	0.02							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.06	0.06	0.06	0.68	0	0	0.18	0.18	0	0.04	0.04		170	170	< 0.005	0.01	0.02	172
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.78	4.78	< 0.005	< 0.005	0.01	4.84
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.79	0.79	< 0.005	< 0.005	< 0.005	0.8
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.3. Grading (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	3.51	2.95	25.6	27.3	0.06	1.04		1.04	0.96		0.96		6598	6598	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	3.51	2.95	25.6	27.3	0.06	1.04		1.04	0.96		0.96		6598	6598	0.27	0.05		6621
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.34	0.28	2.45	2.62	0.01	0.1		0.1	0.09		0.09		633	633	0.03	0.01		635
Dust From Material Movement							0.34	0.34		0.14	0.14							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.06	0.05	0.45	0.48	< 0.005	0.02		0.02	0.02		0.02		105	105	< 0.005	< 0.005		105
Dust From Material Movement							0.06	0.06		0.02	0.02							

Report Tables

Daily Max

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2027	16	28	9	5	721	0.5	0.18
2028	16	13	4	1	704	0.44	0.13

Yearly

Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2027	16	28	9	5	721	0.5	0.18
2028	16	13	4	1	704	0.44	0.13

Emissions Per Capita

Year	ROG	NOx	PM10	PM2.5	CO2
2027	0.0115	0.0199	0.0064	0.0036	0.51207
2028	0.0115	0.0089	0.0031	0.0009	0.50000
average	0.0115	0.0144	0.0048	0.0022	0.5060

Fuel Calcs

Tons/year

Year	Gasoline	Diesel
2027	286.01	434.1
2028	332.85	371.02

Note: gasoline = worker emissions; Diesel = vendor + offroad eq

Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																	
Daily, Summer (Max)																	
Worker	0.08	0.08	0.05	1.06	0	0	0.2	0.2	0	0.05	0.05	219	219	< 0.005	0.01	0.72	222
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																	
Worker	0.07	0.06	0.07	0.78	0	0	0.2	0.2	0	0.05	0.05	194	194	< 0.005	0.01	0.02	197
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																	
Worker	0.01	0.01	0.01	0.08	0	0	0.02	0.02	0	< 0.005	< 0.005	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.5. Building Construction (2027) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.23	1.03	9.39	12.9	0.02	0.34		0.34	0.31		0.31		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.57	0.48	4.37	6.03	0.01	0.16		0.16	0.14		0.14		1116	1116	0.05	0.01		1120
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.1	0.09	0.8	1.1	< 0.005	0.03		0.03	0.03		0.03		185	185	0.01	< 0.005		185
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.43	1.4	0.92	19.2	0	0	3.66	3.66	0	0.86	0.86		3959	3959	0.06	0.14	13.1	4014
Vendor	0.16	0.06	2.48	0.97	0.01	0.02	0.41	0.43	0.02	0.11	0.13		1489	1489	0.09	0.22	3.3	1560
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.3	1.14	1.19	14.1	0	0	3.66	3.66	0	0.86	0.86		3516	3516	0.08	0.15	0.34	3562
Vendor	0.16	0.05	2.64	0.99	0.01	0.02	0.41	0.43	0.02	0.11	0.13		1489	1489	0.09	0.22	0.09	1556
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.6	0.53	0.49	6.71	0	0	1.66	1.66	0	0.39	0.39		1680	1680	0.03	0.06	2.63	1703
Vendor	0.07	0.03	1.21	0.45	< 0.005	0.01	0.19	0.2	0.01	0.05	0.06		694	694	0.04	0.1	0.66	726
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.11	0.1	0.09	1.23	0	0	0.3	0.3	0	0.07	0.07		278	278	< 0.005	0.01	0.44	282
Vendor	0.01	< 0.005	0.22	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01		115	115	0.01	0.02	0.11	120
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Building Construction (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.18	0.99	8.92	12.9	0.02	0.3		0.3	0.28		0.28		2397	2397	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.18	0.99	8.92	12.9	0.02	0.3		0.3	0.28		0.28		2397	2397	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.65	0.54	4.89	7.09	0.01	0.16		0.16	0.15		0.15		1314	1314	0.05	0.01		1318
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.12	0.1	0.89	1.29	< 0.005	0.03		0.03	0.03		0.03		217	217	0.01	< 0.005		218
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.38	1.24	0.79	18	0	0	3.66	3.66	0	0.86	0.86		3877	3877	0.05	0.02	11.8	3897
Vendor	0.15	0.06	2.31	0.93	0.01	0.02	0.41	0.43	0.02	0.11	0.13		1450	1450	0.09	0.22	2.92	1520
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.26	1.11	1.06	13.3	0	0	3.66	3.66	0	0.86	0.86		3444	3444	0.07	0.15	0.31	3490
Vendor	0.14	0.05	2.47	0.96	0.01	0.02	0.41	0.43	0.02	0.11	0.13		1449	1449	0.09	0.22	0.08	1517
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.69	0.61	0.51	7.43	0	0	1.96	1.96	0	0.46	0.46		1937	1937	0.03	0.08	2.8	1963
Vendor	0.08	0.03	1.33	0.52	0.01	0.01	0.22	0.23	0.01	0.06	0.07		794	794	0.05	0.12	0.69	832
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.13	0.11	0.09	1.36	0	0	0.36	0.36	0	0.08	0.08		321	321	0.01	0.01	0.46	325
Vendor	0.01	0.01	0.24	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01		131	131	0.01	0.02	0.11	138
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Paving (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.82	0.69	6.63	9.91	0.01	0.26		0.26	0.24		0.24		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.04	0.04	0.36	0.54	< 0.005	0.01		0.01	0.01		0.01		82.8	82.8	< 0.005	< 0.005		83.1
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.07	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		13.7	13.7	< 0.005	< 0.005		13.8
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.05	0.05	0.04	0.55	0	0	0.15	0.15	0	0.04	0.04		143	143	< 0.005	0.01	0.01	145

Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005	8.02	8.02	< 0.005	< 0.005	0.01	8.13	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	1.33	1.33	< 0.005	< 0.005	< 0.005	1.35	
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.11. Architectural Coating (2028) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	0.13	0.11	0.81	1.12	< 0.005	0.02		0.02	0.01		0.01		134	134	0.01	< 0.005		134
Architectural Coatings		250																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																		
Off-Road E	0.01	0.01	0.04	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		7.32	7.32	< 0.005	< 0.005		7.34
Architectural Coatings		13.7																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		1.21	1.21	< 0.005	< 0.005		1.22
Architectural Coatings		2.5																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.25	0.22	0.21	2.66	0	0	0.73	0.73	0	0.17	0.17		689	689	0.01	0.03	0.06	698
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.01	0.01	0.01	0.15	0	0	0.04	0.04	0	0.01	0.01		38.7	38.7	< 0.005	< 0.005	0.06	39.3
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005		6.41	6.41	< 0.005	< 0.005	0.01	6.5
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Preparat	3/6/2027	########	5	10	
Grading	Grading	########	5/7/2027	5	35	
Building Co	Building Con	5/8/2027	########	5	370	
Paving	Paving	########	########	5	20	
Architectur	Architectura	########	########	5	20	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment T	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tired	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Loa	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38

Grading	Tractors/Loa	Diesel	Average	2	8	84	0.37
Grading	Rubber Tired	Diesel	Average	1	8	367	0.4
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Building Co	Cranes	Diesel	Average	1	7	367	0.29
Building Co	Forklifts	Diesel	Average	3	8	82	0.2
Building Co	Generator Se	Diesel	Average	1	8	14	0.74
Building Co	Welders	Diesel	Average	1	8	46	0.45
Building Co	Tractors/Loa	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equip	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compres	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Co	Worker	362	14.3	LDA,LDT1,LDT2
Building Co	Vendor	53.8	8.8	HHDT,MHDT
Building Co	Hauling	0	20	HHDT
Building Co	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	72.4	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Reduc	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential Ir	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
Architectur	1079690	359897	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material Imp	Material Ex	Acres Grad	Material Dı	Acres Paved (acres)
Site Preparation			15	0	
Grading			105	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency (p	PM10 Redu	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Paved (	% Asphalt
Apartments Low Rise	0	

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Yea	CO2	CH4	N2O
2027	0	375	0.01	< 0.005
2028	0	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation S	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for Pro	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 me

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (Can

6.2. Initial Climate Risk Scores

Climate Ha	Exposure Sco	Sensitivity S	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A

Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure Scc	Sensitivity !	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	48.6
AQ-PM	23.7
AQ-DPM	22.3
Drinking W	78.8
Lead Risk H	41.2
Pesticides	73.8
Toxic Relea	30.3
Traffic	28.5
Effect Indicators	
CleanUp Si	86.5
Groundwa	88.9
Haz Waste	99.8
Impaired W	51.2
Solid Wast	99.9
Sensitive Population	
Asthma	50.2
Cardio-vas	53.9
Low Birth W	36.4
Socioeconomic Factor Indicators	
Education	47.5
Housing	61.9
Linguistic	43.9
Poverty	58.5
Unemployr	62.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	36.840755
Employed	20.454254
Median HI	23.264468
Education	
Bachelor's	39.343
High schoo	100
Preschool e	18.644938
Transportation	
Auto Acces	37.456692
Active com	70.794303
Social	
2-parent h	14.756833
Voting	58.514051
Neighborhood	
Alcohol ava	64.622097
Park access	12.703708
Retail dens	22.815347
Supermark	13.653279
Tree canop	2.0659566
Housing	
Homeowni	60.605672
Housing ha	41.691261
Low-inc ho	38.58591
Low-inc rer	7.7377133
Uncrowdec	46.387784
Health Outcomes	
Insured ad	43.96253
Arthritis	0
Asthma ER	50
High Blood	0
Cancer (exc	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	16
Cognitively	21
Physically	7.2
Heart Atta	54
Mental Hea	0
Chronic Kic	0
Obesity	0
Pedestrian	98
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0

SLR Inunda	0
Children	60
Elderly	21
English Spe	31
Foreign-bo	59
Outdoor W	29
Climate Change Adaptive Capacity	
Impervious	91
Traffic Den	38
Traffic Acce	23
Other Indices	
Hardship	62
Other Decision Support	
2016 Votin	64

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	70
Healthy Pla	29
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of A	Total Point	Max Possib	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Constructic	No demo
Land Use	landscape area = 20% of total lot acreage

ters
ESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone Largest Site
Constructio	1/1/2025
Operationa	2027
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	2.7
Precipitatic	3
Location	9525 Folsom Blvd, Sacramento, CA 95827, USA
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	751
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.22

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	458	Dwelling U	11.4	439680	87936		1282	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development
Area Sourc	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	3.02	190	14	33.9	0.03	0.45	3.7	4.15	0.42	0.88	1.3		7557	7557	0.25	0.36	18.1	7689
Daily, Winter (Max)																		
Unmit.	4.01	3.38	31.7	31	0.06	1.37	7.84	9.21	1.26	3.98	5.24		7136	7136	0.27	0.36	0.47	7251
Average Daily (Max)																		
Unmit.	2.17	10.9	11.9	20.8	0.03	0.41	2.76	3.17	0.38	0.76	1.14		5078	5078	0.18	0.23	4.75	5154
Annual (Max)																		
Unmit.	0.4	2	2.18	3.79	< 0.005	0.08	0.5	0.58	0.07	0.14	0.21		841	841	0.03	0.04	0.79	853

2.2. Construction Emissions by Year, Unmitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	3.02	15.96639	14	33.9	0.03	0.45	3.7	4.15	0.42	0.88	1.3		7557	7557	0.25	0.36	18.1	7689
2026	2.88	15.96639	13.1	32.5	0.03	0.4	3.7	4.1	0.37	0.88	1.25		7455	7455	0.24	0.35	16.5	7583
Daily - Winter (Max)																		
2025	4.01	15.96639	31.7	31	0.06	1.37	7.84	9.21	1.26	3.98	5.24		7136	7136	0.27	0.36	0.47	7251
2026	2.66	15.96639	13.5	27.6	0.03	0.4	3.7	4.1	0.37	0.88	1.25		7044	7044	0.26	0.36	0.43	7158
Average Daily																		
2025	2.17	1.83	11.9	20.8	0.03	0.41	2.76	3.17	0.38	0.76	1.14		5078	5078	0.18	0.23	4.75	5154
2026	0.65	10.9	3.35	6.84	0.01	0.11	0.85	0.95	0.1	0.2	0.3		1684	1684	0.06	0.08	1.62	1711
Annual																		
2025	0.4	0.33	2.18	3.79	< 0.005	0.08	0.5	0.58	0.07	0.14	0.21		841	841	0.03	0.04	0.79	853
2026	0.12	2	0.61	1.25	< 0.005	0.02	0.15	0.17	0.02	0.04	0.05		279	279	0.01	0.01	0.27	283

2.3. Construction Emissions by Year, Mitigated

Year	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily - Summer (Max)																		
2025	3.02	15.96639	14	33.9	0.03	0.45	3.7	4.15	0.42	0.88	1.3		7557	7557	0.25	0.36	18.1	7689
2026	2.88	15.96639	13.1	32.5	0.03	0.4	3.7	4.1	0.37	0.88	1.25		7455	7455	0.24	0.35	16.5	7583
Daily - Winter (Max)																		
2025	4.01	15.96639	31.7	31	0.06	1.37	7.84	9.21	1.26	3.98	5.24		7136	7136	0.27	0.36	0.47	7251
2026	2.66	15.96639	13.5	27.6	0.03	0.4	3.7	4.1	0.37	0.88	1.25		7044	7044	0.26	0.36	0.43	7158
Average Daily																		
2025	2.17	1.83	11.9	20.8	0.03	0.41	2.76	3.17	0.38	0.76	1.14		5078	5078	0.18	0.23	4.75	5154
2026	0.65	10.9	3.35	6.84	0.01	0.11	0.85	0.95	0.1	0.2	0.3		1684	1684	0.06	0.08	1.62	1711
Annual																		
2025	0.4	0.33	2.18	3.79	< 0.005	0.08	0.5	0.58	0.07	0.14	0.21		841	841	0.03	0.04	0.79	853
2026	0.12	2	0.61	1.25	< 0.005	0.02	0.15	0.17	0.02	0.04	0.05		279	279	0.01	0.01	0.27	283

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	14.7	23.9	12.4	136	0.26	0.31	21.6	21.9	0.3	5.48	5.78	217	29356	29573	19.6	1.09	84.3	30473
Mit.	14.5	23.5	10.9	135	0.25	0.19	21.6	21.8	0.18	5.48	5.65	217	27396	27613	19.4	1.09	84.3	28507
% Reduced	1.23	1.56	12.5	0.48	3.77	39.7		0.57	41.6		2.16		6.68	6.63	0.89	0.34		6.45
Daily, Winter (Max)																		
Unmit.	11.3	20.5	14	91.2	0.24	0.3	21.6	21.9	0.29	5.48	5.77	217	27064	27281	19.7	1.19	5.25	28133
Mit.	11.1	20.1	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	217	25104	25321	19.5	1.18	5.25	26167
% Reduced	1.6	1.82	11	0.72	4.13	41.3		0.57	42.9		2.17		7.24	7.19	0.88	0.31		6.99
Average Daily (Max)																		
Unmit.	12.4	21.6	12.8	104	0.23	0.3	20.5	20.8	0.29	5.2	5.49	217	26394	26611	19.6	1.09	36.5	27462
Mit.	12.2	21.2	11.3	104	0.22	0.18	20.5	20.6	0.16	5.2	5.36	217	24433	24650	19.4	1.08	36.5	25496
% Reduced	1.46	1.73	12.1	0.63	4.24	41.4		0.6	43.2		2.28		7.43	7.37	0.89	0.34		7.16
Annual (Max)																		
Unmit.	2.26	3.94	2.34	19	0.04	0.06	3.73	3.79	0.05	0.95	1	35.9	4370	4406	3.25	0.18	6.04	4547
Mit.	2.22	3.87	2.06	18.9	0.04	0.03	3.73	3.77	0.03	0.95	0.98	35.9	4045	4081	3.22	0.18	6.04	4221
% Reduced	1.46	1.73	12.1	0.63	4.24	41.4		0.6	43.2		2.28		7.43	7.37	0.89	0.34		7.16

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	12.1	11	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64		25633	25633	0.99	1	81.2	26036
Area	2.41	12.7	0.25	26	< 0.005	0.01		0.01	0.01		0.01	0	69.5	69.5	< 0.005	< 0.005		69.7
Energy	0.18	0.09	1.55	0.66	0.01	0.12		0.12	0.12		0.12		3621	3621	0.25	0.01		3631
Water												34.5	33.7	68.2	0.12	0.08		93.8
Waste												182	0	182	18.2	0		638
Refrig.																	3.15	3.15
Total	14.7	23.9	12.4	136	0.26	0.31	21.6	21.9	0.3	5.48	5.78	217	29356	29573	19.6	1.09	84.3	30473
Daily, Winter (Max)																		
Mobile	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64		23410	23410	1.1	1.1	2.1	23766
Area	0	10.4	0	0	0	0		0	0		0	0	0	0	0	0		0

Construction Report Tables (unmitigated)

	Daily Max					Yearly	
Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	16	32	9	5	853	0.58	0.21
2026	16	14	4	1	283	0.17	0.05

Construction Report Tables (mitigated)

	Daily Max					Yearly	
Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
2025	16	32	9	5	853	0.58	0.21
2026	16	14	4	1	283	0.17	0.05

Operational Report Tables

	Daily Max					Yearly	
Year	ROG	NOx	PM10	PM2.5	CO2	PM10	PM2.5
Unmit.	24	14	22	6	30473	3.79	1
Mit.	24	13	22	6	28507	3.77	0.98

Energy	0.18	0.09	1.55	0.66	0.01	0.12		0.12	0.12		0.12		3621	3621	0.25	0.01		3631
Water												34.5	33.7	68.2	0.12	0.08		93.8
Waste												182	0	182	18.2	0		638
Refrig.																	3.15	3.15
Total	11.3	20.5	14	91.2	0.24	0.3	21.6	21.9	0.29	5.48	5.77	217	27064	27281	19.7	1.19	5.25	28133
Average Daily																		
Mobile	10.5	9.5	11.1	85.7	0.22	0.17	20.5	20.6	0.16	5.2	5.36		22692	22692	0.99	1	33.3	23048
Area	1.65	12	0.17	17.8	< 0.005	0.01		0.01	0.01		0.01	0	47.6	47.6	< 0.005	< 0.005		47.8
Energy	0.18	0.09	1.55	0.66	0.01	0.12		0.12	0.12		0.12		3621	3621	0.25	0.01		3631
Water												34.5	33.7	68.2	0.12	0.08		93.8
Waste												182	0	182	18.2	0		638
Refrig.																	3.15	3.15
Total	12.4	21.6	12.8	104	0.23	0.3	20.5	20.8	0.29	5.2	5.49	217	26394	26611	19.6	1.09	36.5	27462
Annual																		
Mobile	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98		3757	3757	0.16	0.17	5.52	3816
Area	0.3	2.19	0.03	3.25	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	7.88	7.88	< 0.005	< 0.005		7.91
Energy	0.03	0.02	0.28	0.12	< 0.005	0.02		0.02	0.02		0.02		599	599	0.04	< 0.005		601
Water												5.71	5.58	11.3	0.02	0.01		15.5
Waste												30.2	0	30.2	3.02	0		106
Refrig.																	0.52	0.52
Total	2.26	3.94	2.34	19	0.04	0.06	3.73	3.79	0.05	0.95	1	35.9	4370	4406	3.25	0.18	6.04	4547

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	12.1	11	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64		25633	25633	0.99	1	81.2	26036
Area	2.41	12.4	0.25	26	< 0.005	0.01		0.01	0.01		0.01	0	69.5	69.5	< 0.005	< 0.005		69.7
Energy	0	0	0	0	0	0		0	0		0		1660	1660	0.08	0.01		1665
Water												34.5	33.7	68.2	0.12	0.08		93.8
Waste												182	0	182	18.2	0		638
Refrig.																	3.15	3.15
Total	14.5	23.5	10.9	135	0.25	0.19	21.6	21.8	0.18	5.48	5.65	217	27396	27613	19.4	1.09	84.3	28507
Daily, Winter (Max)																		
Mobile	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64		23410	23410	1.1	1.1	2.1	23766
Area	0	10.2	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0	0	0	0	0	0		0	0		0		1660	1660	0.08	0.01		1665
Water												34.5	33.7	68.2	0.12	0.08		93.8
Waste												182	0	182	18.2	0		638
Refrig.																	3.15	3.15
Total	11.1	20.1	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	217	25104	25321	19.5	1.18	5.25	26167
Average Daily																		
Mobile	10.5	9.5	11.1	85.7	0.22	0.17	20.5	20.6	0.16	5.2	5.36		22692	22692	0.99	1	33.3	23048
Area	1.65	11.7	0.17	17.8	< 0.005	0.01		0.01	0.01		0.01	0	47.6	47.6	< 0.005	< 0.005		47.8
Energy	0	0	0	0	0	0		0	0		0		1660	1660	0.08	0.01		1665
Water												34.5	33.7	68.2	0.12	0.08		93.8
Waste												182	0	182	18.2	0		638
Refrig.																	3.15	3.15
Total	12.2	21.2	11.3	104	0.22	0.18	20.5	20.6	0.16	5.2	5.36	217	24433	24650	19.4	1.08	36.5	25496
Annual																		
Mobile	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98		3757	3757	0.16	0.17	5.52	3816
Area	0.3	2.14	0.03	3.25	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	7.88	7.88	< 0.005	< 0.005		7.91
Energy	0	0	0	0	0	0		0	0		0		275	275	0.01	< 0.005		276
Water												5.71	5.58	11.3	0.02	0.01		15.5
Waste												30.2	0	30.2	3.02	0		106
Refrig.																	0.52	0.52
Total	2.22	3.87	2.06	18.9	0.04	0.03	3.73	3.77	0.03	0.95	0.98	35.9	4045	4081	3.22	0.18	6.04	4221

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.94	3.31	31.6	30.2	0.05	1.37		1.37	1.26		1.26		5295	5295	0.21	0.04		5314
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.11	0.09	0.87	0.83	< 0.005	0.04		0.04	0.03		0.03		145	145	0.01	< 0.005		146
Dust From Material Movement							0.21	0.21		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.02	0.02	0.16	0.15	< 0.005	0.01		0.01	0.01		0.01		24	24	< 0.005	< 0.005		24.1
Dust From Material Movement							0.04	0.04		0.02	0.02							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.07	0.07	0.06	0.78	0	0	0.18	0.18	0	0.04	0.04		176	176	< 0.005	0.01	0.02	179
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		4.96	4.96	< 0.005	< 0.005	0.01	5.03
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		0.82	0.82	< 0.005	< 0.005	< 0.005	0.83
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.2. Site Preparation (2025) - Mitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.94	3.31	31.6	30.2	0.05	1.37		1.37	1.26		1.26		5295	5295	0.21	0.04		5314
Dust From Material Movement							7.67	7.67		3.94	3.94							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.11	0.09	0.87	0.83	< 0.005	0.04		0.04	0.03		0.03		145	145	0.01	< 0.005		146
Dust From Material Movement							0.21	0.21		0.11	0.11							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.02	0.02	0.16	0.15	< 0.005	0.01		0.01	0.01		0.01		24	24	< 0.005	< 0.005		24.1
Dust From Material Movement							0.04	0.04		0.02	0.02							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Offsite																	
Daily, Summer (Max)																	
Daily, Winter (Max)																	
Worker	0.07	0.07	0.06	0.78	0	0	0.18	0.18	0	0.04	0.04	176	176	< 0.005	0.01	0.02	179
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Daily																	
Worker	< 0.005	< 0.005	< 0.005	0.02	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	4.96	4.96	< 0.005	< 0.005	0.01	5.03
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005	0.82	0.82	< 0.005	< 0.005	< 0.005	0.83
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.3. Grading (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.8	3.2	29.7	28.3	0.06	1.23		1.23	1.14		1.14		6599	6599	0.27	0.05		6622
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.31	0.26	2.44	2.33	0.01	0.1		0.1	0.09		0.09		542	542	0.02	< 0.005		544
Dust From Material Movement							0.3	0.3		0.12	0.12							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.06	0.05	0.45	0.42	< 0.005	0.02		0.02	0.02		0.02		89.8	89.8	< 0.005	< 0.005		90.1
Dust From Material Movement							0.05	0.05		0.02	0.02							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.08	0.08	0.07	0.89	0	0	0.2	0.2	0	0.05	0.05		202	202	< 0.005	0.01	0.02	204
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.01	0.01	0.01	0.07	0	0	0.02	0.02	0	< 0.005	< 0.005		17	17	< 0.005	< 0.005	0.03	17.2
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		2.81	2.81	< 0.005	< 0.005	0.01	2.85
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.4. Grading (2025) - Mitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Off-Road E	3.8	3.2	29.7	28.3	0.06	1.23		1.23	1.14		1.14		6599	6599	0.27	0.05		6622
Dust From Material Movement							3.59	3.59		1.42	1.42							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.31	0.26	2.44	2.33	0.01	0.1		0.1	0.09		0.09		542	542	0.02	< 0.005		544
Dust From Material Movement							0.3	0.3		0.12	0.12							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.06	0.05	0.45	0.42	< 0.005	0.02		0.02	0.02		0.02		89.8	89.8	< 0.005	< 0.005		90.1
Dust From Material Movement							0.05	0.05		0.02	0.02							
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Daily, Winter (Max)																		
Worker	0.08	0.08	0.07	0.89	0	0	0.2	0.2	0	0.05	0.05		202	202	< 0.005	0.01	0.02	204
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.01	0.01	0.01	0.07	0	0	0.02	0.02	0	< 0.005	< 0.005		17	17	< 0.005	< 0.005	0.03	17.2
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		2.81	2.81	< 0.005	< 0.005	0.01	2.85
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.5. Building Construction (2025) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.81	0.68	6.32	7.89	0.01	0.26		0.26	0.24		0.24		1450	1450	0.06	0.01		1455
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.15	0.12	1.15	1.44	< 0.005	0.05		0.05	0.04		0.04		240	240	0.01	< 0.005		241
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.52	1.39	0.96	19.9	0	0	3.33	3.33	0	0.78	0.78		3743	3743	0.06	0.13	14.4	3799
Vendor	0.16	0.06	2.57	0.95	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1416	1416	0.09	0.21	3.68	1484
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.39	1.24	1.22	14.6	0	0	3.33	3.33	0	0.78	0.78		3323	3323	0.08	0.13	0.37	3365
Vendor	0.15	0.05	2.74	0.97	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1415	1415	0.09	0.21	0.1	1480
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.83	0.75	0.66	9.04	0	0	2.01	2.01	0	0.47	0.47		2062	2062	0.04	0.08	3.75	2091
Vendor	0.09	0.04	1.63	0.58	0.01	0.01	0.22	0.24	0.01	0.06	0.07		856	856	0.06	0.13	0.96	896
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

Annual																	
Worker	0.15	0.14	0.12	1.65	0	0	0.37	0.37	0	0.09	0.09	341	341	0.01	0.01	0.62	346
Vendor	0.02	0.01	0.3	0.11	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	142	142	0.01	0.02	0.16	148
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.6. Building Construction (2025) - Mitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.35	1.13	10.4	13	0.02	0.43		0.43	0.4		0.4		2398	2398	0.1	0.02		2406
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.81	0.68	6.32	7.89	0.01	0.26		0.26	0.24		0.24		1450	1450	0.06	0.01		1455
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.15	0.12	1.15	1.44	< 0.005	0.05		0.05	0.04		0.04		240	240	0.01	< 0.005		241
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.52	1.39	0.96	19.9	0	0	3.33	3.33	0	0.78	0.78		3743	3743	0.06	0.13	14.4	3799
Vendor	0.16	0.06	2.57	0.95	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1416	1416	0.09	0.21	3.68	1484
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.39	1.24	1.22	14.6	0	0	3.33	3.33	0	0.78	0.78		3323	3323	0.08	0.13	0.37	3365
Vendor	0.15	0.05	2.74	0.97	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1415	1415	0.09	0.21	0.1	1480
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.83	0.75	0.66	9.04	0	0	2.01	2.01	0	0.47	0.47		2062	2062	0.04	0.08	3.75	2091
Vendor	0.09	0.04	1.63	0.58	0.01	0.01	0.22	0.24	0.01	0.06	0.07		856	856	0.06	0.13	0.96	896
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.15	0.14	0.12	1.65	0	0	0.37	0.37	0	0.09	0.09		341	341	0.01	0.01	0.62	346
Vendor	0.02	0.01	0.3	0.11	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01		142	142	0.01	0.02	0.16	148
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.7. Building Construction (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.28	0.23	2.14	2.82	0.01	0.08		0.08	0.08		0.08		521	521	0.02	< 0.005		523
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.05	0.04	0.39	0.51	< 0.005	0.02		0.02	0.01		0.01		86.2	86.2	< 0.005	< 0.005		86.5
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.45	1.32	0.85	18.6	0	0	3.33	3.33	0	0.78	0.78		3670	3670	0.05	0.13	13.1	3722
Vendor	0.14	0.05	2.4	0.91	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1388	1388	0.09	0.21	3.34	1456
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.23	1.2	1.1	13.7	0	0	3.33	3.33	0	0.78	0.78		3259	3259	0.07	0.13	0.34	3301
Vendor	0.14	0.05	2.57	0.93	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1387	1387	0.09	0.21	0.09	1452
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.26	0.26	0.21	3.03	0	0	0.72	0.72	0	0.17	0.17		727	727	0.01	0.03	1.23	737
Vendor	0.03	0.01	0.55	0.2	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03		301	301	0.02	0.05	0.31	316
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.05	0.05	0.04	0.55	0	0	0.13	0.13	0	0.03	0.03		120	120	< 0.005	< 0.005	0.2	122
Vendor	0.01	< 0.005	0.1	0.04	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005		49.9	49.9	< 0.005	0.01	0.05	52.3
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.8. Building Construction (2026) - Mitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Off-Road E	1.28	1.07	9.85	13	0.02	0.38		0.38	0.35		0.35		2397	2397	0.1	0.02		2405
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Off-Road E	0.28	0.23	2.14	2.82	0.01	0.08		0.08	0.08		0.08		521	521	0.02	< 0.005		523
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.05	0.04	0.39	0.51	< 0.005	0.02		0.02	0.01		0.01		86.2	86.2	< 0.005	< 0.005		86.5
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	1.45	1.32	0.85	18.6	0	0	3.33	3.33	0	0.78	0.78		3670	3670	0.05	0.13	13.1	3722
Vendor	0.14	0.05	2.4	0.91	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1388	1388	0.09	0.21	3.34	1456
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Worker	1.23	1.2	1.1	13.7	0	0	3.33	3.33	0	0.78	0.78		3259	3259	0.07	0.13	0.34	3301
Vendor	0.14	0.05	2.57	0.93	0.01	0.02	0.37	0.39	0.02	0.1	0.12		1387	1387	0.09	0.21	0.09	1452
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Average Daily																		
Worker	0.26	0.26	0.21	3.03	0	0	0.72	0.72	0	0.17	0.17		727	727	0.01	0.03	1.23	737
Vendor	0.03	0.01	0.55	0.2	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03		301	301	0.02	0.05	0.31	316
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	0.05	0.05	0.04	0.55	0	0	0.13	0.13	0	0.03	0.03		120	120	< 0.005	< 0.005	0.2	122
Vendor	0.01	< 0.005	0.1	0.04	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005		49.9	49.9	< 0.005	0.01	0.05	52.3
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.9. Paving (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	0.91	0.76	7.12	9.94	0.01	0.32		0.32	0.29		0.29		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road E	0.05	0.04	0.39	0.54	< 0.005	0.02		0.02	0.02		0.02		82.8	82.8	< 0.005	< 0.005		83.1
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.07	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		13.7	13.7	< 0.005	< 0.005		13.8
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	0.07	0.06	0.04	0.85	0	0	0.15	0.15	0	0.04	0.04		167	167	< 0.005	0.01	0.6	169
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005		8.34	8.34	< 0.005	< 0.005	0.01	8.45
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.38	1.38	< 0.005	< 0.005	< 0.005	1.4
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.10. Paving (2026) - Mitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	0.91	0.76	7.12	9.94	0.01	0.32		0.32	0.29		0.29		1511	1511	0.06	0.01		1516
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road E	0.05	0.04	0.39	0.54	< 0.005	0.02		0.02	0.02		0.02		82.8	82.8	< 0.005	< 0.005		83.1
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	0.01	0.01	0.07	0.1	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		13.7	13.7	< 0.005	< 0.005		13.8
Paving		0																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	0.07	0.06	0.04	0.85	0	0	0.15	0.15	0	0.04	0.04		167	167	< 0.005	0.01	0.6	169
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005		8.34	8.34	< 0.005	< 0.005	0.01	8.45
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.01	0	0	< 0.005	< 0.005	0	< 0.005	< 0.005		1.38	1.38	< 0.005	< 0.005	< 0.005	1.4
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.11. Architectural Coating (2026) - Unmitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	0.15	0.12	0.86	1.13	< 0.005	0.02		0.02	0.02		0.02		134	134	0.01	< 0.005		134
Architectural Coatings		189																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road E	0.01	0.01	0.05	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		7.32	7.32	< 0.005	< 0.005		7.34
Architectural Coatings		10.4																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Off-Road E	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		1.21	1.21	< 0.005	< 0.005		1.22
Architectural Coatings		1.89																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Offsite																		
Daily, Summer (Max)																		
Worker	0.29	0.26	0.17	3.72	0	0	0.67	0.67	0	0.16	0.16		734	734	0.01	0.03	2.62	744
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Worker	0.01	0.01	0.01	0.15	0	0	0.04	0.04	0	0.01	0.01		36.7	36.7	< 0.005	< 0.005	0.06	37.2
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005		6.07	6.07	< 0.005	< 0.005	0.01	6.15
Vendor	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0

3.12. Architectural Coating (2026) - Mitigated

Location	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Onsite																		
Daily, Summer (Max)																		
Off-Road E	0.15	0.12	0.86	1.13	< 0.005	0.02		0.02	0.02		0.02		134	134	0.01	< 0.005		134
Architectural Coatings		189																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Daily, Winter (Max)																		
Average Daily																		
Off-Road E	0.01	0.01	0.05	0.06	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		7.32	7.32	< 0.005	< 0.005		7.34
Architectural Coatings		10.4																
Onsite truc	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Annual																		

Off-Road E	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.21	1.21	< 0.005	< 0.005		1.22
Architectural Coatings	1.89															
Onsite truc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite																
Daily, Summer (Max)																
Worker	0.29	0.26	0.17	3.72	0	0	0.67	0.67	0	0.16	0.16	734	734	0.01	0.03	2.62	744
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																	
Average Daily																	
Worker	0.01	0.01	0.01	0.15	0	0	0.04	0.04	0	0.01	0.01	36.7	36.7	< 0.005	< 0.005	0.06	37.2
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Worker	< 0.005	< 0.005	< 0.005	0.03	0	0	0.01	0.01	0	< 0.005	< 0.005	6.07	6.07	< 0.005	< 0.005	0.01	6.15
Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	12.1	11	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64		25633	25633	0.99	1	81.2	26036
Total	12.1	11	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64		25633	25633	0.99	1	81.2	26036
Daily, Winter (Max)																		
Apartment	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64		23410	23410	1.1	1.1	2.1	23766
Total	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64		23410	23410	1.1	1.1	2.1	23766
Annual																		
Apartment	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98		3757	3757	0.16	0.17	5.52	3816
Total	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98		3757	3757	0.16	0.17	5.52	3816

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	12.1	11	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64		25633	25633	0.99	1	81.2	26036
Total	12.1	11	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64		25633	25633	0.99	1	81.2	26036
Daily, Winter (Max)																		
Apartment	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64		23410	23410	1.1	1.1	2.1	23766
Total	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64		23410	23410	1.1	1.1	2.1	23766
Annual																		
Apartment	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98		3757	3757	0.16	0.17	5.52	3816
Total	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98		3757	3757	0.16	0.17	5.52	3816

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													1659	1659	0.08	0.01		1664
Total													1659	1659	0.08	0.01		1664
Daily, Winter (Max)																		
Apartments Mid Rise													1659	1659	0.08	0.01		1664
Total													1659	1659	0.08	0.01		1664
Annual																		
Apartments Mid Rise													275	275	0.01	< 0.005		275
Total													275	275	0.01	< 0.005		275

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													1660	1660	0.08	0.01		1665
Total													1660	1660	0.08	0.01		1665
Daily, Winter (Max)																		
Apartments Mid Rise													1660	1660	0.08	0.01		1665
Total													1660	1660	0.08	0.01		1665
Annual																		
Apartments Mid Rise													275	275	0.01	< 0.005		276
Total													275	275	0.01	< 0.005		276

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.18	0.09	1.55	0.66	0.01	0.12		0.12	0.12		0.12		1962	1962	0.17	< 0.005		1968
Total	0.18	0.09	1.55	0.66	0.01	0.12		0.12	0.12		0.12		1962	1962	0.17	< 0.005		1968
Daily, Winter (Max)																		
Apartment	0.18	0.09	1.55	0.66	0.01	0.12		0.12	0.12		0.12		1962	1962	0.17	< 0.005		1968
Total	0.18	0.09	1.55	0.66	0.01	0.12		0.12	0.12		0.12		1962	1962	0.17	< 0.005		1968
Annual																		
Apartment	0.03	0.02	0.28	0.12	< 0.005	0.02		0.02	0.02		0.02		325	325	0.03	< 0.005		326
Total	0.03	0.02	0.28	0.12	< 0.005	0.02		0.02	0.02		0.02		325	325	0.03	< 0.005		326

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Daily, Winter (Max)																		
Apartment	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Annual																		
Apartment	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		9.41																
Architectural Coatings		1.04																
Landscape	2.41	2.28	0.25	26	< 0.005	0.01		0.01	0.01		0.01		69.5	69.5	< 0.005	< 0.005		69.7
Total	2.41	12.7	0.25	26	< 0.005	0.01		0.01	0.01		0.01	0	69.5	69.5	< 0.005	< 0.005		69.7
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		9.41																

Architectural Coatings		1.04															
Total	0	10.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																	
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		1.72															
Architectural Coatings		0.19															
Landscape	0.3	0.29	0.03	3.25	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		7.88	7.88	< 0.005	< 0.005		7.91	
Total	0.3	2.19	0.03	3.25	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0	7.88	7.88	< 0.005	< 0.005		7.91	

4.3.2. Mitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		9.41																
Architectural Coatings		0.75																
Landscape	2.41	2.28	0.25	26	< 0.005	0.01		0.01	0.01		0.01		69.5	69.5	< 0.005	< 0.005		69.7
Total	2.41	12.4	0.25	26	< 0.005	0.01		0.01	0.01		0.01	0	69.5	69.5	< 0.005	< 0.005		69.7
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		9.41																
Architectural Coatings		0.75																
Total	0	10.2	0	0	0	0		0	0		0	0	0	0	0	0		0
Annual																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		1.72																
Architectural Coatings		0.14																
Landscape	0.3	0.29	0.03	3.25	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		7.88	7.88	< 0.005	< 0.005		7.91		
Total	0.3	2.14	0.03	3.25	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0	7.88	7.88	< 0.005	< 0.005		7.91		

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												34.5	33.7	68.2	0.12	0.08		93.8
Total												34.5	33.7	68.2	0.12	0.08		93.8
Daily, Winter (Max)																		
Apartments Mid Rise												34.5	33.7	68.2	0.12	0.08		93.8
Total												34.5	33.7	68.2	0.12	0.08		93.8
Annual																		
Apartments Mid Rise												5.71	5.58	11.3	0.02	0.01		15.5
Total												5.71	5.58	11.3	0.02	0.01		15.5

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												34.5	33.7	68.2	0.12	0.08		93.8
Total												34.5	33.7	68.2	0.12	0.08		93.8
Daily, Winter (Max)																		
Apartments Mid Rise												34.5	33.7	68.2	0.12	0.08		93.8
Total												34.5	33.7	68.2	0.12	0.08		93.8
Annual																		
Apartments Mid Rise												5.71	5.58	11.3	0.02	0.01		15.5
Total												5.71	5.58	11.3	0.02	0.01		15.5

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												182	0	182	18.2	0		638
Total												182	0	182	18.2	0		638
Daily, Winter (Max)																		
Apartments Mid Rise												182	0	182	18.2	0		638
Total												182	0	182	18.2	0		638
Annual																		
Apartments Mid Rise												30.2	0	30.2	3.02	0		106
Total												30.2	0	30.2	3.02	0		106

4.5.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												182	0	182	18.2	0		638
Total												182	0	182	18.2	0		638
Daily, Winter (Max)																		
Apartments Mid Rise												182	0	182	18.2	0		638
Total												182	0	182	18.2	0		638
Annual																		
Apartments Mid Rise												30.2	0	30.2	3.02	0		106
Total												30.2	0	30.2	3.02	0		106

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise																	3.15	3.15
Total																	3.15	3.15
Daily, Winter (Max)																		
Apartments Mid Rise																	3.15	3.15
Total																	3.15	3.15
Annual																		
Apartments Mid Rise																	0.52	0.52
Total																	0.52	0.52

4.6.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise																	3.15	3.15
Total																	3.15	3.15
Daily, Winter (Max)																		
Apartments Mid Rise																	3.15	3.15
Total																	3.15	3.15
Annual																		
Apartments Mid Rise																	0.52	0.52
Total																	0.52	0.52

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.7.2. Mitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.8.2. Mitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.9.2. Mitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Avoided																	
Subtotal																	
Sequestered																	
Subtotal																	
Removed																	
Subtotal																	
Daily, Winter (Max)																	
Avoided																	
Subtotal																	
Sequestered																	
Subtotal																	
Removed																	
Subtotal																	
Annual																	
Avoided																	
Subtotal																	
Sequestered																	
Subtotal																	
Removed																	
Subtotal																	

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetation TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	

Total
Daily, Winter (Max)
Total
Annual
Total

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.1. Construction Schedule

Phase Nam	Phase Type	Start Date	End Date	Days Per W	Work Days	Phase Description
Site Prepar	Site Prepar	1/1/2025	########	5	10	
Grading	Grading	########	########	5	30	
Building Co	Building Co	########	########	5	300	
Paving	Paving	########	########	5	20	
Architectur	Architectur	########	########	5	20	

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tire	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tire	Diesel	Average	1	8	367	0.4
Building Co	Forklifts	Diesel	Average	3	8	82	0.2
Building Co	Generator	Diesel	Average	1	8	14	0.74
Building Co	Cranes	Diesel	Average	1	7	367	0.29
Building Co	Welders	Diesel	Average	1	8	46	0.45
Building Co	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.2.2. Mitigated

Phase Nam	Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepow	Load Factor
Site Prepar	Rubber Tire	Diesel	Average	3	8	367	0.4
Site Prepar	Tractors/Lc	Diesel	Average	4	8	84	0.37
Grading	Graders	Diesel	Average	1	8	148	0.41
Grading	Excavators	Diesel	Average	2	8	36	0.38
Grading	Tractors/Lc	Diesel	Average	2	8	84	0.37
Grading	Scrapers	Diesel	Average	2	8	423	0.48
Grading	Rubber Tire	Diesel	Average	1	8	367	0.4
Building Co	Forklifts	Diesel	Average	3	8	82	0.2
Building Co	Generator	Diesel	Average	1	8	14	0.74
Building Co	Cranes	Diesel	Average	1	7	367	0.29
Building Co	Welders	Diesel	Average	1	8	46	0.45
Building Co	Tractors/Lc	Diesel	Average	3	7	84	0.37
Paving	Pavers	Diesel	Average	2	8	81	0.42
Paving	Paving Equ	Diesel	Average	2	8	89	0.36
Paving	Rollers	Diesel	Average	2	8	36	0.38
Architectur	Air Compre	Diesel	Average	1	6	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Co	Worker	330	14.3	LDA,LDT1,LDT2

Building Co	Vendor	49	8.8	HHDT,MHDT
Building Co	Hauling	0	20	HHDT
Building Co	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	66	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.3.2. Mitigated

Phase Nam	Trip Type	One-Way T	Miles per T	Vehicle Mix
Site Preparation				
Site Prepar	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Prepar	Vendor		8.8	HHDT,MHDT
Site Prepar	Hauling	0	20	HHDT
Site Prepar	Onsite truck			HHDT
Grading				
Grading	Worker	20	14.3	LDA,LDT1,LDT2
Grading	Vendor		8.8	HHDT,MHDT
Grading	Hauling	0	20	HHDT
Grading	Onsite truck			HHDT
Building Construction				
Building Co	Worker	330	14.3	LDA,LDT1,LDT2
Building Co	Vendor	49	8.8	HHDT,MHDT
Building Co	Hauling	0	20	HHDT
Building Co	Onsite truck			HHDT
Paving				
Paving	Worker	15	14.3	LDA,LDT1,LDT2
Paving	Vendor		8.8	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating				
Architectur	Worker	66	14.3	LDA,LDT1,LDT2
Architectur	Vendor		8.8	HHDT,MHDT
Architectur	Hauling	0	20	HHDT
Architectur	Onsite truck			HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Str	PM10 Redu	PM2.5 Reduction

5.5. Architectural Coatings

Phase Nam	Residential	Residential	Non-Residé	Non-Residé	Parking Area Coated (sq ft)
Architectur	890352	296784	0	0	

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Nam	Material Im	Material Ex	Acres Grad	Material Dı	Acres Paved (acres)
Site Preparation			15	0	
Grading			90	0	
Paving	0	0	0	0	

5.6.2. Construction Earthmoving Control Strategies

Control Str	Frequency	PM10 Redu	PM2.5 Reduction
Water Exp	2	61	61

5.7. Construction Paving

Land Use	Area Paved	% Asphalt
Apartments Mid Rise		0

5.8. Construction Electricity Consumption and Emissions Factors

Year	kWh per Yé	CO2	CH4	N2O
2025	0	295	0.01	< 0.005
2026	0	279	0.01	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Week	VMT/Satur	VMT/Sund	VMT/Year
Apartment	2492	2249	1873	864508	30404	27442	22859	10549670

5.9.2. Mitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Week	VMT/Satur	VMT/Sund	VMT/Year
Apartment	2492	2249	1873	864508	30404	27442	22859	10549670

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	458
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.1.2. Mitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	458
Conventior	0
Catalytic W	0
Non-Cataly	0

Pellet Woo 0

5.10.2. Architectural Coatings

Residential	Residential	Non-Residé	Non-Residé	Parking Area Coated (sq ft)
890352	296784	0	0	

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0
Summer Dı	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0
Summer Dı	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	2267290	267	0.0129	0.0017	6122530

5.11.2. Mitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	2269291	267	0.0129	0.0017	0

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)
Apartment	16148622	1501065

5.12.2. Mitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)
Apartment	16148622	1501065

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	339	

5.13.2. Mitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	339	

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	T Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment	Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment	Household	R-134a	1430	0.12	0.6	0	1

5.14.2. Mitigated

Land Use	T Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment	Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment	Household	R-134a	1430	0.12	0.6	0	1

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor

5.15.2. Mitigated

Equipment Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Fuel Type	Number pe	Hours per I	Hours per '	Horsepowe	Load Factor

5.16.2. Process Boilers

Equipment Fuel Type	Number	Boiler Ratir	Daily Heat	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1.2. Mitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.1.2. Mitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	20.7	annual days of extreme heat
Extreme Pr	6	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 m

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (Ca

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity :	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity :	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	53.7
AQ-PM	37.6
AQ-DPM	57.1
Drinking W	55.8
Lead Risk H	32.5
Pesticides	0
Toxic Relea	24.2
Traffic	76.4
Effect Indicators	
CleanUp Si	58.2
Groundwat	35
Haz Waste	19.2
Impaired W	51.2
Solid Waste	0
Sensitive Population	
Asthma	71.2
Cardio-vas	80.6
Low Birth W	0.74
Socioeconomic Factor Indicators	
Education	16.2
Housing	21.1
Linguistic	17.3
Poverty	56.4
Unemployn	76.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	54.45913
Employed	22.03259
Median HI	48.69755
Education	
Bachelor's	69.99872
High schoo	100
Preschool e	62.73579
Transportation	
Auto Acces	40.90851
Active com	78.46786
Social	
2-parent h	98.06236
Voting	75.22135
Neighborhood	
Alcohol avi	49.68562
Park acces	81.35506
Retail dens	38.85538
Supermark	9.86783
Tree canop	89.04145
Housing	
Homeowne	58.89901
Housing ha	72.46247
Low-inc ho	81.86834
Low-inc re	57.42333
Uncrowde	71.88503
Health Outcomes	
Insured ad	77.62094
Arthritis	0
Asthma ER	31
High Blood	0
Cancer (ex	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	14
Cognitively	91
Physically	72
Heart Atta	22
Mental He	0
Chronic Kic	0

Obesity	0
Pedestrian	92
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	11
Elderly	18
English Spe	71
Foreign-bo	25
Outdoor W	52
Climate Change Adaptive Capacity	
Impervious	62
Traffic Den	89
Traffic Acce	65
Other Indices	
Hardship	48
Other Decision Support	
2016 Votin	64

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	42
Healthy Pla	63
Project Loc	No
Project Loc	No
Project Loc	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possib	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	units and acreage from excel sheet; 439680/5=87936
Constructio	no demo
Constructio	Sac metro rule 301: Flat coating limit = 50 g/L, nonflat coating = 100 g/L, roof coating = 50 g/L, driveway sealers = 50 g/L
Operations	Sac metro rule 301, VOC limits: flat coating = 50 g/L, nonflat coating = 100 g/L, driveway sealer = 100 g/L

ıeters
nESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Annual GHG Calculations

Annual Gasoline GHG Emissions (after rezone)

Year	Phase				Total
	Main	Fair Oaks	North Watt	Old Florin	CO2e/year
2025	813.77	13.27	265.16	0	1092
2026	798.51	0	644	0	1443
2027	783.98	0	24.86	440.01	1249
2028	763.98	0	0	512.25	1276
2029	753.76	0	0	0	754
Total	3914	13.27	934.02	952.26	5813.55

Annual Diesel GHG Emissions (after rezone)

Year	Phase				Total
	Main	Fair Oaks	North Watt	Old Florin	CO2e/year
2025	665.31	93.16	354.1	0	1113
2026	658.24	0	560	0	1218
2027	647.23	0	27.15	500.1	1174
2028	639.09	0	0	444.49	1084
2029	631.91	0	0	0	632
Total	3241.78	93.16	941.25	944.59	5221

Annual Gasoline GHG Emissions (before rezone)

Year	Phase				Total
	Main	Fair Oaks	North Watt	Old Florin	CO2e/year
2025	332.9	9.09	183.16	0	525
2026	326.76	0	442	0	769
2027	320.61	0	17.55	286.01	624
2028	314.15	0	0	332.85	647
2029	308.33	0	0	0	308
Total	1602.75	9.09	642.71	618.86	2873.41

Annual Diesel GHG Emissions (before rezone)

Year	Phase				Total
	Main	Fair Oaks	North Watt	Old Florin	CO2e/year
2025	451.48	91.4	318.9	0	862
2026	449.48	0	473	0	922
2027	445.48	0	25.3	434.1	905
2028	442.42	0	0	371.02	813
2029	438.38	0	0	0	438
Total	2227.24	91.4	817.2	805.12	3940.96

Annual Gasoline GHG Emissions (difference)

Year	Phase				Total
	Main	Fair Oaks	North Watt	Old Florin	CO2e/year
2025	480.87	4.18	82	0	567
2026	471.75	0	202	0	674
2027	463.37	0	7.31	154	625
2028	449.83	0	0	179.4	629
2029	445.43	0	0	0	445
Total	2311.25	4.18	291.31	333.4	2940.14

Annual Diesel GHG Emissions (difference)

Year	Phase				Total
	Main	Fair Oaks	North Watt	Old Florin	CO2e/year
2025	213.83	1.76	35.2	0	251
2026	208.76	0	87	0	296
2027	201.75	0	1.85	66	270
2028	196.67	0	0	73.47	270
2029	193.53	0	0	0	194
Total	1014.54	1.76	124.05	139.47	1279.82

Fuel Consumption in gallons (after)			
Year	Gasoline	Diesel	Total
2025	124396	108969	233365
2026	164295	119318	283613
2027	142238	115032	257270
2028	145356	106129	251486
2029	85850	61891	147741
Total	662,135.54	511,339.86	1,173,475.40

Fuel Consumption in gallons (before)			
Year	Gasoline	Diesel	Total
2025	59812	84405	144218
2026	87558	90351	177909
2027	71090	88627	159717
2028	73690	79671	153361
2029	35117	42936	78054
Total	327,267.65	385,990.21	713,257.86

Fuel Consumption in gallons (Difference)			
Year	Gasoline	Diesel	Total
2025	64,584	24,563	89,147
2026	76,737	28,968	105,705
2027	71,148	26,405	97,554
2028	71,666	26,458	98,125
2029	50,732	18,955	69,687
Total	334,868	125,350	460,218

Construction Energy Consumption (after rezone)

	Gasoline (workers)						Total						
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**		**million BTU**	**Year**	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**		**million BTU**
2025	1092	1092200	**124,396**	14954219004		14954.219	2025	2,205	2,204,770	233,365	29,924,437,044		29,924
2026	1443	1442510	**164,295**	19750604702		19750.6047	2026	2,661	2,660,750	283,613	36,142,668,505		36,143
2027	1249	1248850	**142,238**	17099044500		17099.0445	2027	2,423	2,423,330	257,270	32,902,294,349		32,902
2028	1276	1276230	**145,356**	17473926863		17473.92686	2028	2,360	2,359,810	251,486	32,054,069,114		32,054
2029	754	753760	**85,850**	10320355353		10320.35535	2029	1,386	1,385,670	147,741	18,823,038,763		18,823
	5,814	**5,813,550**	**662,136**	**79,598,150,423**		**79,598**	Total	**11,034**	**11,034,330**	**1,173,475**	**149,846,507,776**		**149,847**

	Diesel (offroad eq, hauling, vendors)					
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**		**million BTU**
2025	1,113	1112570	**108,969**	14970218040		14970.21804
2026	1,218	1218240	**119,318**	16392063803		16392.0638
2027	1,174	1174480	**115,032**	15803249848		15803.24985
2028	1,084	1083580	**106,129**	14580142251		14580.14225
2029	632	631910	**61,891**	8502683410		8502.68341
	5,221	**5,220,780**	**511,340**	**70,248,357,353**		**70,248**

MT to km	1000					
CO2 to Gal gasoline	8.78	Climate Registry 2022		motor gas	distallate	
gasoline gal/btu	120,214	EIA 2023	btu per barrel	5,049,000	5,770,000	EIA
CO2 to gas diesel	10.21	Climate Registry 2022	gallons per barrel	42	42	EIA
diesel gas/btu	137,381	EIA 2023	btu per gallon	120,214	137,381	conversion

https://theclimateregistry.org/wp-content/uploads/2022/11/2022-Default-Emission-Factors-Final.pdf
EIA 2023. Table A3: Approximate Heat Content of Petroleum Consumption and Fuel Ethanol. Avaialble: https://www.eia.gov/totalenergy/data/monthly/pdf/sec12_4.pdf

Fuel Per Capita

Year	Gasoline per ca	Diesel Per capita	Total Per Capita
2025	6.0	5.2	11.2
2026	7.9	5.7	13.7
2027	6.8	5.5	12.4
2028	7.0	5.1	12.1
2029	4.1	3.0	7.1
Total	31.9	24.6	56.5
Average	10.6	4.9	11.3
Population:	20773		
Difference in tons from before rezone:	**-65.0**		
Difference in percent before rezone	**-85.19%**		

Construction Energy Consumption (before rezone)

	Gasoline (workers)					
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**		**million BTU**
2025	525	525150	**59,812**	7190265620		7190.26562
2026	769	768760	**87,558**	10525732834		10525.73283
2027	624	624170	**71,090**	8546030833		8546.030833
2028	647	647000	**73,690**	8858615360		8858.61536
2029	308	308330	**35,117**	4221602587		4221.602587
	2,873	**2,873,410**	**327,268**	**39,342,247,234**		**39,342**

	Total					
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**		**million BTU**
2025	1,387	1,386,930	144,218	18,785,971,510		18,786
2026	1,691	1,691,240	177,909	22,938,189,343		22,938
2027	1,529	1,529,050	159,717	20,721,670,029		20,722
2028	1,460	1,460,440	153,361	19,803,880,972		19,804
2029	747	746,710	78,054	10,120,237,445		10,120
Total	**6,814**	**6,814,370**	**713,258**	**92,369,949,300**		**92,370**

	Diesel (offroad eq, hauling, vendors)					
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**		**million BTU**
2025	862	861780	**84,405**	11595705891		11595.70589
2026	922	922480	**90,351**	12412456509		12412.45651
2027	905	904880	**88,627**	12175639196		12175.6392
2028	813	813440	**79,671**	10945265613		10945.26561
2029	438	438380	**42,936**	5898634858		5898.634858
	3,941	**3,940,960**	**385,990**	**53,027,702,066**		**53,028**

MT to km	1000					
CO2 to Gal gasoline	8.78	Climate Registry 2022		motor gas	distallate	
gasoline gal/btu	120,214	EIA 2023	btu per barrel	5,049,000	5,770,000	EIA
CO2 to gas diesel	10.21	Climate Registry 2022	gallons per barrel	42	42	EIA
diesel gas/btu	137,381	EIA 2023	btu per gallon	120,214	137,381	conversion

https://theclimateregistry.org/wp-content/uploads/2022/11/2022-Default-Emission-Factors-Final.pdf

EIA 2023. Table A3: Approximate Heat Content of Petroleum Consumption and Fuel Ethanol. Avaialble: https://www.eia.gov/totalenergy/data/monthly/pdf/sec12_4.pdf

	Fuel Per Capita		
Year	Gasoline pe	Diesel Per capita	Total
2025	6.4	9.0	15.4
2026	9.4	9.7	19.0
2027	7.6	9.5	17.1
2028	7.9	8.5	16.4
2029	3.8	4.6	8.4
Total per capita	35.0	41.3	76.3
Population:	9347		

Fair Oaks Construction Energy Consumption (after rezone)

Gasoline (workers)

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2025	13	13270	**1,511**	181690611.8	181.6906118
	13	**13,270**	**1,511**	**181,690,612**	**182**

Diesel (offroad eq, hauling, vendors)

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2025	93	93160	**9,124**	1253517093	1253.517093
	93	**93,160**	**9,124**	**1,253,517,093**	**1,254**

Total

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2025	106	106,430	10,636	1,435,207,705	1,435
Total	**106**	**106,430**	**10,636**	**1,435,207,705**	**1,435**

MT to km	1000					
CO2 to Gal gasoline	8.78	Climate Registry 2022		motor gas	distallate	
gasoline gal/btu	120,214	EIA 2023	btu per barrel	5,049,000	5,770,000	EIA
CO2 to gas diesel	10.21	Climate Registry 2022	gallons per barrel	42	42	EIA
diesel gas/btu	137,381	EIA 2023	btu per gallon	120,214	137,381	conversion

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Fuel Per Capita

Year	Gasoline per ca	Diesel Per capita	Total Per Capita
2025	14.5	87.7	102.3
Average	14.5	87.7	102.3
Population:	104		

Fair Oaks Construction Energy Consumption (before rezone)

Gasoline (workers)

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2025	9	9090	**1,035**	124458753.7	124.4587537
	9	**9,090**	**1,035**	**124,458,754**	**124**

Diesel (offroad eq, hauling, vendors)

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2025	91	91400	**8,952**	1229835362	1229.835362
	91	**91,400**	**8,952**	**1,229,835,362**	**1,230**

Total

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2025	100	100,490	9,987	1,354,294,116	1,354
Total	**100**	**100,490**	**9,987**	**1,354,294,116**	**1,354**

MT to km	1000					
CO2 to Gal gasoline	8.78	Climate Registry 2022		motor gas	distallate	
gasoline gal/btu	120,214	EIA 2023	btu per barrel	5,049,000	5,770,000	EIA
CO2 to gas diesel	10.21	Climate Registry 2022	gallons per barrel	42	42	EIA
diesel gas/btu	137,381	EIA 2023	btu per gallon	120,214	137,381	conversion

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Fuel Per Capita

Year	Gasoline per ca	Diesel Per capita	Total Per Capita
2025	14.8	127.9	142.7
Average	14.8	127.9	142.7
Population:	70		

North Watt Construction Energy Consumption (after rezone)

	Gasoline (workers)					
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**		**million BTU**
2025	265	265160	**30,200**	3630526196		3630.526196
2026	644	644000	**73,349**	8817539863		8817.539863
2027	25	24860	**2,831**	340378945.7		340.3789457
	934	**934,020**	**106,380**	**12,788,445,005**		**12,788**

	Diesel (offroad eq, hauling, vendors)				
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**	**million BTU**
2025	354	354100	**34,682**	4764602864	4764.602864
2026	560	560000	**54,848**	7535096311	7535.096311
2027	27	27150	**2,659**	365317615.8	365.3176158
	941	**941,250**	**92,189**	**12,665,016,790**	**12,665**

	Total				
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**	**million BTU**
2025	619	619,260	64,882	8,395,129,060	8,395
2026	1,204	1,204,000	128,197	16,352,636,174	16,353
2027	52	52,010	5,491	705,696,561	706
Total	**1,875**	**1,875,270**	**198,569**	**25,453,461,795**	**25,453**

MT to km	1000		
CO2 to Gal gasoline	8.78	Climate Registry 2022	
gasoline gal/btu	120,214	EIA 2023	
CO2 to gas diesel	10.21	Climate Registry 2022	
diesel gas/btu	137,381	EIA 2023	

	motor gas	distallate	
btu per barrel	5,049,000	5,770,000	EIA
gallons per barrel	42	42	EIA
btu per gallon	120,214	137,381	conversion

https://theclimateregistry.org/wp-content/uploads/2022/11/2022-Default-Emission-Factors-Final.pdf
EIA 2023. Table A3: Approximate Heat Content of Petroleum Consumption and Fuel Ethanol. Avaialble: https://www.eia.gov/totalenergy/data/monthly/pdf/sec12_4.pdf

	Fuel Per Capita		
Year	Gasoline per ca	Diesel Per capita	Total Per Capita
2025	14.7	16.9	31.5
2026	35.6	26.7	62.3
2027	1.4	1.3	2.7
Average	17.2	14.9	32.2
Population:	2058		

North Watt Construction Energy Consumption (before rezone)

	Gasoline (workers)					
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**	**million BTU**	
2025	183	183160	**20,861**	2507795965	2507.795965	
2026	442	442000	**50,342**	6051789782	6051.789782	
2027	18	17550	**1,999**	240291653.1	240.2916531	
	643	**642,710**	**73,202**	**8,799,877,400**	**8,800**	

	Diesel (offroad eq, hauling, vendors)				
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**	**million BTU**
2025	319	318900	**31,234**	4290968238	4290.968238
2026	473	473000	**46,327**	6364465277	6364.465277
2027	25	25300	**2,478**	340424886.9	340.4248869
	817	**817,200**	**80,039**	**10,995,858,402**	**10,996**

	Total				
Year	**CO2 (MT)**	**CO2 (km)**	**fuel**	**BTU**	**million BTU**
2025	502	502,060	52,095	6,798,764,203	6,799
2026	915	915,000	96,669	12,416,255,059	12,416
2027	43	42,850	4,477	580,716,540	581
Total	**1,460**	**1,459,910**	**153,241**	**19,795,735,802**	**19,796**

				motor gas	distallate	
MT to km	1000		btu per barrel	5,049,000	5,770,000	EIA
CO2 to Gal gasoline	8.78	Climate Registry 2022	gallons per barrel	42	42	EIA
gasoline gal/btu	120,214	EIA 2023	btu per gallon	120,214	137,381	conversion
CO2 to gas diesel	10.21	Climate Registry 2022				
diesel gas/btu	137,381	EIA 2023				

https://theclimateregistry.org/wp-content/uploads/2022/11/2022-Default-Emission-Factors-Final.pdf
EIA 2023. Table A3: Approximate Heat Content of Petroleum Consumption and Fuel Ethanol. Avaialble: https://www.eia.gov/totalenergy/data/monthly/pdf/sec12_4.pdf

	Fuel Per Capita		
Year	Gasoline per ca	Diesel Per capita	Total Per Capita
2025	14.8	22.1	36.8
2026	35.6	32.8	68.4
2027	1.4	1.8	3.2
Average	17.3	18.9	36.1
Population:	1414		

Old Florin Construction Energy Consumption (after rezone)

Gasoline (workers)

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2027	440	440010	**50,115**	6024543036	6024.543036
2028	512	512250	**58,343**	7013640986	7013.640986
	952	**952,260**	**108,458**	**13,038,184,022**	**13,038**

Diesel (offroad eq, hauling, vendors)

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2027	500	500100	**48,981**	6729110116	6729.110116
2028	444	444490	**43,535**	5980848141	5980.848141
	945	**944,590**	**92,516**	**12,709,958,258**	**12,710**

Total

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2027	940	940,110	99,096	12,753,653,152	12,754
2028	957	956,740	101,878	12,994,489,127	12,994
Total	**1,897**	**1,896,850**	**200,974**	**25,748,142,280**	**25,748**

MT to km	1000					
CO2 to Gal gasoline	8.78	Climate Registry 2022		motor gas	distallate	
gasoline gal/btu	120,214	EIA 2023	btu per barrel	5,049,000	5,770,000	EIA
CO2 to gas diesel	10.21	Climate Registry 2022	gallons per barrel	42	42	EIA
diesel gas/btu	137,381	EIA 2023	btu per gallon	120,214	137,381	conversion

https://theclimateregistry.org/wp-content/uploads/2022/11/2022-Default-Emission-Factors-Final.pdf
EIA 2023. Table A3: Approximate Heat Content of Petroleum Consumption and Fuel Ethanol. Avaialble: https://www.eia.gov/totalenergy/data/monthly/pdf/sec12_4.pdf

Fuel Per Capita

Year	Gasoline per ca	Diesel Per capita	Total Per Capita
2027	23.0	22.5	45.5
2028	26.8	20.0	46.8
Average	24.9	21.3	46.2
Population:	2176		

Old Florin Construction Energy Consumption (before rezone)

Gasoline (workers)

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2027	286	286010	**32,575**	3916000895	3916.000895
2028	333	332850	**37,910**	4557326310	4557.32631
	619	**618,860**	**70,485**	**8,473,327,205**	**8,473**

Diesel (offroad eq, hauling, vendors)

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2027	434	434100	**42,517**	5841045194	5841.045194
2028	371	371020	**36,339**	4992270416	4992.270416
	805	**805,120**	**78,856**	**10,833,315,610**	**10,833**

Total

Year	CO2 (MT)	CO2 (km)	fuel	BTU	million BTU
2027	720	720,110	75,092	9,757,046,089	9,757
2028	704	703,870	74,249	9,549,596,726	9,550
Total	**1,424**	**1,423,980**	**149,341**	**19,306,642,815**	**19,307**

MT to km	1000					
CO2 to Gal gasoline	8.78	Climate Registry 2022		motor gas	distallate	
gasoline gal/btu	120,214	EIA 2023	btu per barrel	5,049,000	5,770,000	EIA
CO2 to gas diesel	10.21	Climate Registry 2022	gallons per barrel	42	42	EIA
diesel gas/btu	137,381	EIA 2023	btu per gallon	120,214	137,381	conversion

https://theclimateregistry.org/wp-content/uploads/2022/11/2022-Default-Emission-Factors-Final.pdf
EIA 2023. Table A3: Approximate Heat Content of Petroleum Consumption and Fuel Ethanol. Avaialble: https://www.eia.gov/totalenergy/data/monthly/pdf/sec12_4.pdf

Fuel Per Capita

Year	Gasoline per ca	Diesel Per capita	Total Per Capita
2027	23.1	30.2	53.3
2028	26.9	25.8	52.7
Average	25.0	28.0	53.0
Population:	1408		

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nai	Sac Rezone Old Florin operations (before)
Operationa	2030
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3
Precipitatic	37.8
Location	38.49656099729435, -121.39733654991514
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	774
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	503	Dwelling U	25.2	533180	219717		1408	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	17.8	29.3	11.2	130	0.24	0.29	20.4	20.7	0.28	5.19	5.47	238	26729	26967	21.5	1.07	56.9	27881
Mit.	17.6	29.2	9.63	129	0.23	0.16	20.4	20.6	0.15	5.19	5.34	238	24677	24916	21.3	1.07	56.9	25824
% Reduced	1.06	0.32	14.4	0.53	4.35	45.3		0.63	47.3		2.39		7.68	7.61	0.85	0.36		7.38
Daily, Winter (Max)																		
Unmit.	13.8	25.4	12.6	89.2	0.22	0.28	20.4	20.7	0.27	5.19	5.46	238	24679	24917	21.6	1.17	5.2	25811
Mit.	13.6	25.3	11	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	238	22627	22865	21.4	1.16	5.2	23753
% Reduced	1.38	0.37	12.8	0.77	4.77	47.4		0.63	49		2.4		8.31	8.23	0.84	0.33		7.97
Average Daily (Max)																		
Unmit.	14.1	25.8	11	97.3	0.2	0.27	17.9	18.1	0.26	4.54	4.8	238	22891	23129	21.4	1.01	24.4	23991
Mit.	14	25.7	9.36	96.6	0.19	0.14	17.9	18	0.13	4.54	4.67	238	20839	21078	21.2	1.01	24.4	21934
% Reduced	1.34	0.37	14.7	0.71	5.18	48.5		0.72	50.5		2.73		8.96	8.87	0.85	0.38		8.58
Annual (Max)																		
Unmit.	2.58	4.71	2	17.8	0.04	0.05	3.26	3.31	0.05	0.83	0.88	39.5	3790	3829	3.55	0.17	4.03	3972
Mit.	2.55	4.7	1.71	17.6	0.03	0.03	3.26	3.28	0.02	0.83	0.85	39.5	3450	3490	3.52	0.17	4.03	3631
% Reduced	1.34	0.37	14.7	0.71	5.18	48.5		0.72	50.5		2.73		8.96	8.87	0.85	0.38		8.58

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	15	14	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33		23046	23046	1.03	0.98	53.1	23416
Area	2.61	15.3	0.27	28.6	< 0.005	0.01		0.01	0.01		0.01	0	76.3	76.3	< 0.005	< 0.005		76.6
Energy	0.19	0.09	1.62	0.69	0.01	0.13		0.13	0.13		0.13		3574	3574	0.27	0.02		3585
Water												37.9	33	70.9	0.13	0.08		98.9
Waste												200	0	200	20	0		701
Refrig.																	3.82	3.82
Total	17.8	29.3	11.2	130	0.24	0.29	20.4	20.7	0.28	5.19	5.47	238	26729	26967	21.5	1.07	56.9	27881
Daily, Winter (Max)																		
Mobile	13.6	12.5	11	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33		21072	21072	1.19	1.07	1.38	21422
Area	0	12.8	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0.19	0.09	1.62	0.69	0.01	0.13		0.13	0.13		0.13		3574	3574	0.27	0.02		3585
Water												37.9	33	70.9	0.13	0.08		98.9
Waste												200	0	200	20	0		701
Refrig.																	3.82	3.82
Total	13.8	25.4	12.6	89.2	0.22	0.28	20.4	20.7	0.27	5.19	5.46	238	24679	24917	21.6	1.17	5.2	25811
Average Daily																		
Mobile	12.2	11.3	9.17	77	0.19	0.13	17.9	18	0.12	4.54	4.66		19232	19232	0.99	0.91	20.5	19550
Area	1.79	14.5	0.18	19.6	< 0.005	0.01		0.01	0.01		0.01	0	52.3	52.3	< 0.005	< 0.005		52.4
Energy	0.19	0.09	1.62	0.69	0.01	0.13		0.13	0.13		0.13		3574	3574	0.27	0.02		3585
Water												37.9	33	70.9	0.13	0.08		98.9
Waste												200	0	200	20	0		701
Refrig.																	3.82	3.82
Total	14.1	25.8	11	97.3	0.2	0.27	17.9	18.1	0.26	4.54	4.8	238	22891	23129	21.4	1.01	24.4	23991
Annual																		
Mobile	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85		3184	3184	0.16	0.15	3.4	3237
Area	0.33	2.64	0.03	3.58	< 0.005	< 0.005		0	< 0.005		0	0	8.65	8.65	< 0.005	< 0.005		8.68
Energy	0.03	0.02	0.3	0.13	< 0.005	0.02		0.02	0.02		0.02		592	592	0.04	< 0.005		594
Water												6.27	5.46	11.7	0.02	0.01		16.4
Waste												33.2	0	33.2	3.32	0		116
Refrig.																	0.63	0.63
Total	2.58	4.71	2	17.8	0.04	0.05	3.26	3.31	0.05	0.83	0.88	39.5	3790	3829	3.55	0.17	4.03	3972

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		

Mobile	15	14	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33		23046	23046	1.03	0.98	53.1	23416
Area	2.61	15.3	0.27	28.6	< 0.005	0.01		0.01	0.01		0.01	0	76.3	76.3	< 0.005	< 0.005		76.6
Energy	0	0	0	0	0	0		0	0		0		1522	1522	0.09	0.01		1528
Water												37.9	33	70.9	0.13	0.08		98.9
Waste												200	0	200	20	0		701
Refrig.																	3.82	3.82
Total	17.6	29.2	9.63	129	0.23	0.16	20.4	20.6	0.15	5.19	5.34	238	24677	24916	21.3	1.07	56.9	25824
Daily, Winter (Max)																		
Mobile	13.6	12.5	11	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33		21072	21072	1.19	1.07	1.38	21422
Area	0	12.8	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0	0	0	0	0	0		0	0		0		1522	1522	0.09	0.01		1528
Water												37.9	33	70.9	0.13	0.08		98.9
Waste												200	0	200	20	0		701
Refrig.																	3.82	3.82
Total	13.6	25.3	11	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	238	22627	22865	21.4	1.16	5.2	23753
Average Daily																		
Mobile	12.2	11.3	9.17	77	0.19	0.13	17.9	18	0.12	4.54	4.66		19232	19232	0.99	0.91	20.5	19550
Area	1.79	14.5	0.18	19.6	< 0.005	0.01		0.01	0.01		0.01	0	52.3	52.3	< 0.005	< 0.005		52.4
Energy	0	0	0	0	0	0		0	0		0		1522	1522	0.09	0.01		1528
Water												37.9	33	70.9	0.13	0.08		98.9
Waste												200	0	200	20	0		701
Refrig.																	3.82	3.82
Total	14	25.7	9.36	96.6	0.19	0.14	17.9	18	0.13	4.54	4.67	238	20839	21078	21.2	1.01	24.4	21934
Annual																		
Mobile	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85		3184	3184	0.16	0.15	3.4	3237
Area	0.33	2.64	0.03	3.58	< 0.005	< 0.005		0	< 0.005		0	0	8.65	8.65	< 0.005	< 0.005		8.68
Energy	0	0	0	0	0	0		0	0		0		252	252	0.01	< 0.005		253
Water												6.27	5.46	11.7	0.02	0.01		16.4
Waste												33.2	0	33.2	3.32	0		116
Refrig.																	0.63	0.63
Total	2.55	4.7	1.71	17.6	0.03	0.03	3.26	3.28	0.02	0.83	0.85	39.5	3450	3490	3.52	0.17	4.03	3631

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	15	14	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33		23046	23046	1.03	0.98	53.1	23416
Total	15	14	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33		23046	23046	1.03	0.98	53.1	23416
Daily, Winter (Max)																		
Apartment	13.6	12.5	11	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33		21072	21072	1.19	1.07	1.38	21422
Total	13.6	12.5	11	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33		21072	21072	1.19	1.07	1.38	21422
Annual																		
Apartment	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85		3184	3184	0.16	0.15	3.4	3237
Total	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85		3184	3184	0.16	0.15	3.4	3237

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	15	14	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33		23046	23046	1.03	0.98	53.1	23416
Total	15	14	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33		23046	23046	1.03	0.98	53.1	23416
Daily, Winter (Max)																		
Apartment	13.6	12.5	11	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33		21072	21072	1.19	1.07	1.38	21422
Total	13.6	12.5	11	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33		21072	21072	1.19	1.07	1.38	21422
Annual																		
Apartment	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85		3184	3184	0.16	0.15	3.4	3237
Total	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85		3184	3184	0.16	0.15	3.4	3237

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise													1521	1521	0.09	0.01		1526
Total													1521	1521	0.09	0.01		1526
Daily, Winter (Max)																		
Apartments Low Rise													1521	1521	0.09	0.01		1526
Total													1521	1521	0.09	0.01		1526
Annual																		
Apartments Low Rise													252	252	0.01	< 0.005		253
Total													252	252	0.01	< 0.005		253

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise													1522	1522	0.09	0.01		1528
Total													1522	1522	0.09	0.01		1528
Daily, Winter (Max)																		
Apartments Low Rise													1522	1522	0.09	0.01		1528
Total													1522	1522	0.09	0.01		1528
Annual																		
Apartments Low Rise													252	252	0.01	< 0.005		253
Total													252	252	0.01	< 0.005		253

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.19	0.09	1.62	0.69	0.01	0.13		0.13	0.13		0.13		2053	2053	0.18	< 0.005		2059

Total	0.19	0.09	1.62	0.69	0.01	0.13	0.13	0.13	0.13	2053	2053	0.18	< 0.005		2059
Daily, Winter (Max)															
Apartment	0.19	0.09	1.62	0.69	0.01	0.13	0.13	0.13	0.13	2053	2053	0.18	< 0.005		2059
Total	0.19	0.09	1.62	0.69	0.01	0.13	0.13	0.13	0.13	2053	2053	0.18	< 0.005		2059
Annual															
Apartment	0.03	0.02	0.3	0.13	< 0.005	0.02	0.02	0.02	0.02	340	340	0.03	< 0.005		341
Total	0.03	0.02	0.3	0.13	< 0.005	0.02	0.02	0.02	0.02	340	340	0.03	< 0.005		341

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		11.4																
Architectural Coatings		1.37																
Landscape	2.61	2.47	0.27	28.6	< 0.005	0.01		0.01	0.01		0.01		76.3	76.3	< 0.005	< 0.005		76.6
Total	2.61	15.3	0.27	28.6	< 0.005	0.01		0.01	0.01		0.01	0	76.3	76.3	< 0.005	< 0.005		76.6
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		11.4																
Architectural Coatings		1.37																
Total	0	12.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		2.08																
Architectural Coatings		0.25																
Landscape	0.33	0.31	0.03	3.58	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		8.65	8.65	< 0.005	< 0.005		8.68
Total	0.33	2.64	0.03	3.58	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	8.65	8.65	< 0.005	< 0.005		8.68

4.3.2. Mitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		11.4																
Architectural Coatings		1.37																
Landscape	2.61	2.47	0.27	28.6	< 0.005	0.01		0.01	0.01		0.01		76.3	76.3	< 0.005	< 0.005		76.6
Total	2.61	15.3	0.27	28.6	< 0.005	0.01		0.01	0.01		0.01	0	76.3	76.3	< 0.005	< 0.005		76.6
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		11.4																
Architectural Coatings		1.37																
Total	0	12.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		2.08																
Architectural Coatings		0.25																
Landscape	0.33	0.31	0.03	3.58	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		8.65	8.65	< 0.005	< 0.005		8.68
Total	0.33	2.64	0.03	3.58	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	8.65	8.65	< 0.005	< 0.005		8.68

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												37.9	33	70.9	0.13	0.08		98.9
Total												37.9	33	70.9	0.13	0.08		98.9
Daily, Winter (Max)																		
Apartments Low Rise												37.9	33	70.9	0.13	0.08		98.9
Total												37.9	33	70.9	0.13	0.08		98.9
Annual																		
Apartments Low Rise												6.27	5.46	11.7	0.02	0.01		16.4
Total												6.27	5.46	11.7	0.02	0.01		16.4

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												37.9	33	70.9	0.13	0.08		98.9
Total												37.9	33	70.9	0.13	0.08		98.9
Daily, Winter (Max)																		
Apartments Low Rise												37.9	33	70.9	0.13	0.08		98.9
Total												37.9	33	70.9	0.13	0.08		98.9
Annual																		
Apartments Low Rise												6.27	5.46	11.7	0.02	0.01		16.4
Total												6.27	5.46	11.7	0.02	0.01		16.4

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Low Rise											200	0	200	20	0		701
Total											200	0	200	20	0		701
Daily, Winter (Max)																	
Apartments Low Rise											200	0	200	20	0		701
Total											200	0	200	20	0		701
Annual																	
Apartments Low Rise											33.2	0	33.2	3.32	0		116
Total											33.2	0	33.2	3.32	0		116

4.5.2. Mitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Low Rise											200	0	200	20	0		701
Total											200	0	200	20	0		701
Daily, Winter (Max)																	
Apartments Low Rise											200	0	200	20	0		701
Total											200	0	200	20	0		701
Annual																	
Apartments Low Rise											33.2	0	33.2	3.32	0		116
Total											33.2	0	33.2	3.32	0		116

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Low Rise																3.82	3.82
Total																3.82	3.82
Daily, Winter (Max)																	
Apartments Low Rise																3.82	3.82
Total																3.82	3.82
Annual																	
Apartments Low Rise																0.63	0.63
Total																0.63	0.63

4.6.2. Mitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Low Rise																3.82	3.82
Total																3.82	3.82
Daily, Winter (Max)																	
Apartments Low Rise																3.82	3.82
Total																3.82	3.82
Annual																	
Apartments Low Rise																0.63	0.63
Total																0.63	0.63

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.7.2. Mitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.8.2. Mitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		

Subtotal
Sequestered
Subtotal
Removed
Subtotal

Daily, Winter (Max)
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

Annual
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

5. Activity Data
5.9. Operational Mobile Sources
5.9.1. Unmitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	3682	4094	3159	1338145	25930	28835	22246	9423871

5.9.2. Mitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	3682	4094	3159	1338145	25930	28835	22246	9423871

5.10. Operational Area Sources
5.10.1. Hearths
5.10.1.1. Unmitigated

Hearth Typ	Unmitigated (number)
Apartments Low Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	503
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.1.2. Mitigated

Hearth Typ	Unmitigated (number)
Apartments Low Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	503
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.2. Architectural Coatings

Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
1079690	359897	0	0	

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.11. Operational Energy Consumption
5.11.1. Unmitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	2489019	223	0.0129	0.0017	6406250

5.11.2. Mitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	2491142	223	0.0129	0.0017	0

5.12. Operational Water and Wastewater Consumption
5.12.1. Unmitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)

Apartment 17735277 3750558

5.12.2. Mitigated
Land Use Indoor Wa Outdoor Water (gal/year)
Apartment 17735277 3750558

5.13. Operational Waste Generation
5.13.1. Unmitigated
Land Use Waste (ton Cogeneration (kWh/year)
Apartment 372

5.13.2. Mitigated
Land Use Waste (ton Cogeneration (kWh/year)
Apartment 372

5.14. Operational Refrigeration and Air Conditioning Equipment
5.14.1. Unmitigated
Land Use T Equipment Refrigerant GWP Quantity (k Operations Service Lea Times Serviced
Apartment Average ro R-410A 2088 < 0.005 2.5 2.5 10
Apartment Household R-134a 1430 0.12 0.6 0 1

5.14.2. Mitigated
Land Use T Equipment Refrigerant GWP Quantity (k Operations Service Lea Times Serviced
Apartment Average ro R-410A 2088 < 0.005 2.5 2.5 10
Apartment Household R-134a 1430 0.12 0.6 0 1

5.15. Operational Off-Road Equipment
5.15.1. Unmitigated
Equipment Fuel Type Engine Tier Number pe Hours Per I Horsepowe Load Factor

5.15.2. Mitigated
Equipment Fuel Type Engine Tier Number pe Hours Per I Horsepowe Load Factor

5.16. Stationary Sources
5.16.1. Emergency Generators and Fire Pumps
Equipment Fuel Type Number pe Hours per I Hours per \ Horsepowe Load Factor

5.16.2. Process Boilers
Equipment Fuel Type Number Boiler Ratir Daily Heat Annual Heat Input (MMBtu/yr)

5.17. User Defined
Equipment Fuel Type

5.18. Vegetation
5.18.1. Land Use Change
5.18.1.1. Unmitigated
Vegetation Vegetation Initial Acre Final Acres

5.18.1.2. Mitigated
Vegetation Vegetation Initial Acre Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated
Biomass Co Initial Acre Final Acres

5.18.1.2. Mitigated
Biomass Co Initial Acre Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated
Tree Type Number Electricity S Natural Gas Saved (btu/year)

5.18.2.2. Mitigated
Tree Type Number Electricity S Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.
Climate Ha Result for F Unit
Temperatu 19.3 annual days of extreme heat
Extreme Pr 5.7 annual days with precipitation above 20 mm
Sea Level Rise meters of inundation depth
Wildfire 0 annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	48.6
AQ-PM	23.7
AQ-DPM	22.3
Drinking W	78.8
Lead Risk H	41.2
Pesticides	73.8
Toxic Relea	30.3
Traffic	28.5
Effect Indicators	
CleanUp Si	86.5
Groundwat	88.9
Haz Waste	99.8
Impaired W	51.2
Solid Waste	99.9
Sensitive Population	
Asthma	50.2
Cardio-vas	53.9
Low Birth W	36.4
Socioeconomic Factor Indicators	
Education	47.5
Housing	61.9
Linguistic	43.9
Poverty	58.5
Unemployr	62.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	36.84075
Employed	20.45425
Median HI	23.26447
Education	
Bachelor's	39.343
High schoo	100
Preschool e	18.64494
Transportation	
Auto Acces	37.45669
Active com	70.7943
Social	
2-parent h	14.75683
Voting	58.51405
Neighborhood	
Alcohol ava	64.6221
Park access	12.70371
Retail dens	22.81535
Supermark	13.65328

Tree canop	2.065957
Housing	
Homeowne	60.60567
Housing ha	41.69126
Low-inc ho	38.58591
Low-inc rer	7.737713
Uncrowdec	46.38778
Health Outcomes	
Insured ad	43.96253
Arthritis	0
Asthma ER	50
High Blood	0
Cancer (ex	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	16
Cognitively	21
Physically	7.2
Heart Attac	54
Mental Hea	0
Chronic Kid	0
Obesity	0
Pedestrian	98
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	60
Elderly	21
English Spe	31
Foreign-bo	59
Outdoor W	29
Climate Change Adaptive Capacity	
Impervious	91
Traffic Den	38
Traffic Acce	23
Other Indices	
Hardship	62
Other Decision Support	
2016 Votin	64

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	70
Healthy Pla	29
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure T	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of Total Point Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure T	Sponsor

8. User Changes to Default Data

Screen	Justification
Constructic	No demo
Land Use	landscape area = 20% of total lot acreage

Operational Summary Tables

After rezone, Unmitigated Results

Main Rezone after (unmitigated)

Source	ROG	NOx	PM10 (daily)	PM10 (yearly)	PM2.5 (daily)	PM2.5 (yearly)	CO2
Mobile	142	122	242	41.0	63	10.6	40143
Area	207	4	0	0.0	0	0.0	128
Energy	2	26	2	0.4	2	0.4	9259
Water	0	0	0	0.0	0	0.0	238
Waste	0	0	0	0.0	0	0.0	1713
Refrig.	0	0	0	0.0	0	0.0	8
Total	351	152	244	41.4	65	11.0	51489

Fair Oaks after (unmitigated)

Source	ROG	NOx	PM10 (daily)	PM10 (yearly)	PM2.5 (daily)	PM2.5 (yearly)	CO2
Mobile	1	1	2	0.3	0	0.1	296
Area	1	0	0	0.0	0	0.0	1
Energy	0	0	0	0.0	0	0.0	58
Water	0	0	0	0.0	0	0.0	1
Waste	0	0	0	0.0	0	0.0	9
Refrig.	0	0	0	0.0	0	0.0	0
Total	2	1	2	0.3	0	0.1	364

North Watt after (unmitigated)

Source	ROG	NOx	PM10 (daily)	PM10 (yearly)	PM2.5 (daily)	PM2.5 (yearly)	CO2
Mobile	15	15	31	5.2	8	1.4	5109
Area	21	0	0	0.0	0	0.0	13
Energy	0	2	0	0.0	0	0.0	892
Water	0	0	0	0.0	0	0.0	24
Waste	0	0	0	0.0	0	0.0	170
Refrig.	0	0	0	0.0	0	0.0	1
Total	36	18	31	5.3	8	1.4	6208

Old Florin after (unmitigated)

Source	ROG	NOx	PM10 (daily)	PM10 (yearly)	PM2.5 (daily)	PM2.5 (yearly)	CO2
Mobile	14	11	21	3.6	6	0.9	3548
Area	22	0	0	0.0	0	0.0	13
Energy	0	3	0	0.0	0	0.0	943
Water	0	0	0	0.0	0	0.0	25
Waste	0	0	0	0.0	0	0.0	179
Refrig.	0	0	0	0.0	0	0.0	1
Total	36	14	22	3.6	6	1.0	4709

After rezone, Mitigated Results

Main Rezone after (mitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	142	122	242	41.0	63	10.6	40143
Area	207	4	0	0.0	0	0.0	128
Energy	0	0	0	0.0	0	0.0	3834
Water	0	0	0	0.0	0	0.0	238
Waste	0	0	0	0.0	0	0.0	1713
Refrig.	0	0	0	0.0	0	0.0	8
Total	349	126	242	41.0	63	10.6	46064

Fair Oaks after (mitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	1	1	2	0.3	0	0.1	296
Area	1	0	0	0.0	0	0.0	1
Energy	0	0	0	0.0	0	0.0	32
Water	0	0	0	0.0	0	0.0	1
Waste	0	0	0	0.0	0	0.0	9
Refrig.	0	0	0	0.0	0	0.0	0
Total	2	1	2	0.3	0	0.1	338

North Watt after (mitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	15	15	31	5.2	8	1.4	5109
Area	21	0	0	0.0	0	0.0	13
Energy	0	0	0	0.0	0	0.0	370
Water	0	0	0	0.0	0	0.0	24
Waste	0	0	0	0.0	0	0.0	170
Refrig.	0	0	0	0.0	0	0.0	1
Total	35	15	31	5.2	8	1.4	5686

Old Florin after (mitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	14	11	21	3.6	6	0.9	3548
Area	22	0	0	0.0	0	0.0	13
Energy	0	0	0	0.0	0	0.0	391
Water	0	0	0	0.0	0	0.0	25
Waste	0	0	0	0.0	0	0.0	179
Refrig.	0	0	0	0.0	0	0.0	1
Total	36	12	21	3.6	6	0.9	4157

before rezone, Unmitigated Results

Main Rezone before (unmitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	96	82	163	26.0	42	6.7	25456
Area	67	2	0	0.0	0	0.0	58
Energy	2	26	2	0.4	2	0.4	9259
Water	0	0	0	0.0	0	0.0	111
Waste	0	0	0	0.0	0	0.0	771
Refrig.	0	0	0	0.0	0	0.0	3
Total	164	110	165	26.4	44	7.1	35657

Fair Oaks before (unmitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	1	1	2	0.3	0	0.1	282
Area	1	0	0	0.0	0	0.0	0
Energy	0	0	0	0.0	0	0.0	30
Water	0	0	0	0.0	0	0.0	1
Waste	0	0	0	0.0	0	0.0	6
Refrig.	0	0	0	0.0	0	0.0	0
Total	2	1	2	0.3	0	0.1	319

North Watt before (unmitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	15	15	32	5.1	8	1.3	4948
Area	15	0	0	0.0	0	0.0	9
Energy	0	2	0	0.0	0	0.0	596
Water	0	0	0	0.0	0	0.0	16
Waste	0	0	0	0.0	0	0.0	117
Refrig.	0	0	0	0.0	0	0.0	1
Total	31	17	32	5.1	8	1.3	5687

Old Florin before (unmitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	14	11	21	3.3	5	0.9	3237
Area	15	0	0	0.0	0	0.0	9
Energy	0	2	0	0.0	0	0.0	594
Water	0	0	0	0.0	0	0.0	16
Waste	0	0	0	0.0	0	0.0	116
Refrig.	0	0	0	0.0	0	0.0	1
Total	29	13	21	3.3	5	0.9	3973

before rezone, mitigated Results

Main Rezone before (mitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	96	82	163	26.0	42	6.7	25456
Area	67	2	0	0.0	0	0.0	58
Energy	0	0	0	0.0	0	0.0	3834
Water	0	0	0	0.0	0	0.0	111
Waste	0	0	0	0.0	0	0.0	771
Refrig.	0	0	0	0.0	0	0.0	3
Total	163	84	163	26.0	42	6.7	30232

Fair Oaks before (mitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	1	1	2	0.3	0	0.1	282
Area	1	0	0	0.0	0	0.0	0
Energy	0	0	0	0.0	0	0.0	13
Water	0	0	0	0.0	0	0.0	1
Waste	0	0	0	0.0	0	0.0	6
Refrig.	0	0	0	0.0	0	0.0	0
Total	2	1	2	0.3	0	0.1	302

North Watt before (mitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	15	15	32	5.1	8	1.3	4948
Area	15	0	0	0.0	0	0.0	9
Energy	0	0	0	0.0	0	0.0	254
Water	0	0	0	0.0	0	0.0	16
Waste	0	0	0	0.0	0	0.0	117
Refrig.	0	0	0	0.0	0	0.0	1
Total	31	15	32	5.1	8	1.3	5345

Old Florin before (unmitigated)

Source	ROG	NOx	PM10 (dail	PM10 (yea	PM2.5 (dai	PM2.5 (yea	CO2
Mobile	14	11	21	3.3	5	0.9	3237
Area	15	0	0	0.0	0	0.0	9
Energy	0	0	0	0.0	0	0.0	253
Water	0	0	0	0.0	0	0.0	16
Waste	0	0	0	0.0	0	0.0	116
Refrig.	0	0	0	0.0	0	0.0	1
Total	29	11	21	3.3	5	0.9	3632

Operational Energy Calcs (after rezone)

Unmitigated fuel consumption (total)

Sector	CO2 (MT/year)	CO2 (km)	fuel	BTU	million BTU
Mobile	40143	40143000	**4572095.67**	5.49631E+11	549631.2
Area	128	128000	**14578.5877**	1752554507	1752.6
Energy	9259	9259000	**1054555.81**	1.26773E+11	126772.7
Water	238	238000	**27107.0615**	3258656036	3258.7
Waste	1713	1713000	**195102.506**	23454108363	23454.1
Refrig.	8	8450	**962.414579**	115695981.1	115.7
Total	11346	11346450	1292306	155353688171	155354

Unmitigated fuel consumption (fair oaks)

Sector	CO2 (MT/year)	CO2 (km)	fuel	BTU	million BTU
Mobile	296	296000	**33712.984**	4052782297	4052.8
Area	1	640	**72.892938**	8762772.535	8.8
Energy	58	57500	**6548.9749**	787280344.9	787.3
Water	1	1450	**165.14806**	19853156.52	19.9
Waste	9	8570	**976.082**	117339001	117.3
Refrig.	0	40	**4.5558087**	547673.2834	0.5
Total	68	68200	7768	933782948	934

Unmitigated fuel consumption (north watt)

Sector	CO2 (MT/y	CO2 (km)	fuel	BTU	million BTU
Mobile	5109	5109000	**581890.7**	69951570127	69951.6
Area	13	12700	**1446.469**	173886267.5	173.9
Energy	892	892000	**101594.5**	12213114221	12213.1
Water	24	23600	**2687.927**	323127237.2	323.1
Waste	170	170000	**19362.19**	2327611455	2327.6
Refrig.	1	840	**95.67198**	11501138.95	11.5
Total	1099	1099140	125187	15049240319	15049

Unmitigated fuel consumption (odl florin)

Sector	CO2 (MT/y	CO2 (km)	fuel	BTU	million BTU
Mobile	3548	3548000	**404100.2**	48578620241	48578.6
Area	13	13400	**1526.196**	183470550	183.5
Energy	943	943000	**107403.2**	12911397657	12911.4
Water	25	25000	**2847.38**	3422958002.1	342.3
Waste	179	179000	**20387.24**	2450837943	2450.8
Refrig.	1	880	**100.2278**	12048812.24	12.0
Total	1161	1161280	132264	15900050765	15900

MT to km	1000						
CO2 to Gal gasoline	8.78	Climate Registry 2022			motor gas	distallate	
gasoline gal/btu	120,214	EIA 2023		btu per barrel	5,049,000	5,770,000	EIA
CO2 to gas diesel	10.21	Climate Registry 2022		gallons per barr	42	42	EIA
diesel gas/btu	137,381	EIA 2023		btu per gallon	120,214	137,381	conversion

Unmitigated	CO2e (MT/yr)
Mobile	40143.0
Area	128.0
Energy	9259.0
Water	238.0
Waste	1713.0
Refrig.	8.5
Total	11346.5

CA Energy Consumption

Sector	Trillion BTU	Percentage
Residential	1473.2	20.02%
Commercial	1396.7	18.98%
Industrial	1704.4	23.16%
Transporation	2785.1	37.84%
Total	7359.4	100.00%

Source: https://www.eia.gov/state/seds/sep_sum/html/pdf/sum_btu_1.pdf

Operational Energy Calcs (before rezone)

Unmitigated fuel consumption (total)

Sector	CO2 (MT/year)	CO2 (km)	fuel	BTU	million BTU
Mobile	40143	40143000	**4572095.67**	5.49631E+11	549631.2
Area	128	128000	**14578.5877**	1752554507	1752.6
Energy	9259	9259000	**1054555.81**	1.26773E+11	126772.7
Water	238	238000	**27107.0615**	3258656036	3258.7
Waste	1713	1713000	**195102.506**	23454108363	23454.1
Refrig.	8	8450	**962.414579**	115695981.1	115.7
Total	11346	11346450	1292306	155353688171	155354

Unmitigated fuel consumption (fair oaks)

Sector	CO2 (MT/year)	CO2 (km)	fuel	BTU	million BTU
Mobile	296	296000	**33712.984**	4052782297	4052.8
Area	1	640	**72.892938**	8762772.535	8.8
Energy	58	57500	**6548.9749**	787280344.9	787.3
Water	1	1450	**165.14806**	19853156.52	19.9
Waste	9	8570	**976.082**	117339001	117.3
Refrig.	0	40	**4.5558087**	547673.2834	0.5
Total	68	68200	7768	933782948	934

Unmitigated fuel consumption (north watt)

Sector	CO2 (MT/y	CO2 (km)	fuel	BTU	million BTU
Mobile	5109	5109000	**581890.7**	69951570127	69951.6
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Water	24	23600	**2687.927**	323127237.2	323.1
Waste	170	170000	**19362.19**	2327611455	2327.6
Refrig.	1	840	**95.67198**	11501138.95	11.5
Total	1099	1099140	125187	15049240319	15049

Unmitigated fuel consumption (odl florin)

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Mobile	3548	3548000	**404100.2**	48578620241	48578.6
Area	13	13400	**1526.196**	183470550	183.5
Energy	943	943000	**107403.2**	12911397657	12911.4
Water	25	25000	**2847.38**	3422958002.1	342.3
Waste	179	179000	**20387.24**	2450837943	2450.8
Refrig.	1	880	**100.2278**	12048812.24	12.0
Total	1161	1161280	132264	15900050765	15900

MT to km	1000						
CO2 to Gal gasoline	8.78	Climate Registry 2022			motor gas	distallate	
gasoline gal/btu	120,214	EIA 2023		btu per barrel	5,049,000	5,770,000	EIA
CO2 to gas diesel	10.21	Climate Registry 2022		gallons per barr	42	42	EIA
diesel gas/btu	137,381	EIA 2023		btu per gallon	120,214	137,381	conversion

Unmitigated	CO2e (MT/yr)
Mobile	40143.0
Area	128.0
Energy	9259.0
Water	238.0
Waste	1713.0
Refrig.	8.5
Total	11346.5

CA Energy Consumption

Sector	Trillion BTU	Percentage
Residential	1473.2	20.02%
Commercial	1396.7	18.98%
Industrial	1704.4	23.16%
Transporation	2785.1	37.84%
Total	7359.4	100.00%

Source: https://www.eia.gov/state/seds/sep_sum/html/pdf/sum_btu_1.pdf

1. Basic Project Information
1.1. Basic Project Information

Data Field	Value
Project Nai	Sac Rezone Main Operations (after)
Operationa	2030
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	2.7
Precipitatic	37.8
Location	38.550592607076084, -121.39691856340349
County	Sacramento
City	Sacramento
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	765
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	7419	Dwelling U	236	7122240	2051870		20773	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary
2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	195	351	134	1574	2.82	3.95	240	244	3.79	61	64.8	3516	326844	330360	313	12.4	675	342564
Mit.	192	349	108	1563	2.66	1.86	240	242	1.71	61	62.7	3516	294165	297681	310	12.4	675	309795
% Reduced	1.55	0.43	19.2	0.7	5.83	52.7		0.85	54.9		3.21		10	9.89	0.92	0.49		9.57
Daily, Winter (Max)																		
Unmit.	143	300	148	993	2.57	3.76	240	244	3.65	61	64.7	3516	302484	306000	314	13.5	67.2	317942
Mit.	140	299	122	982	2.41	1.67	240	242	1.57	61	62.6	3516	269805	273321	312	13.4	67.2	285172
% Reduced	2.11	0.5	17.4	1.1	6.39	55.4		0.85	57		3.22		10.8	10.7	0.92	0.46		10.3
Average Daily (Max)																		
Unmit.	162	319	137	1216	2.51	3.8	223	227	3.67	56.6	60.3	3516	295662	299178	313	12.4	307	311001
Mit.	159	318	111	1205	2.35	1.72	223	225	1.59	56.6	58.2	3516	262983	266499	310	12.3	307	278232
% Reduced	1.86	0.47	18.8	0.9	6.54	54.7		0.92	56.7		3.45		11.1	10.9	0.92	0.5		10.5
Annual (Max)																		
Unmit.	29.6	58.3	25	222	0.46	0.69	40.7	41.4	0.67	10.3	11	582	48950	49532	51.8	2.05	50.9	51490
Mit.	29.1	58	20.3	220	0.43	0.31	40.7	41	0.29	10.3	10.6	582	43540	44122	51.4	2.04	50.9	46064
% Reduced	1.86	0.47	18.8	0.9	6.54	54.7		0.92	56.7		3.45		11.1	10.9	0.92	0.5		10.5

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	154	142	104	1141	2.64	1.67	240	242	1.57	61	62.6		269501	269501	11.2	11	624	273673
Area	38.5	207	3.93	422	0.02	0.19		0.19	0.14		0.14	0	1125	1125	0.05	0.01		1129
Energy	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		55751	55751	4.23	0.24		55927
Water												559	467	1026	1.95	1.22		1439
Waste												2957	0	2957	296	0		10344
Refrig.																	51	51
Total	195	351	134	1574	2.82	3.95	240	244	3.79	61	64.8	3516	326844	330360	313	12.4	675	342564
Daily, Winter (Max)																		
Mobile	140	128	122	982	2.41	1.67	240	242	1.57	61	62.6		246267	246267	12.8	12	16.2	250180
Area	0	171	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		55751	55751	4.23	0.24		55927
Water												559	467	1026	1.95	1.22		1439
Waste												2957	0	2957	296	0		10344
Refrig.																	51	51
Total	143	300	148	993	2.57	3.76	240	244	3.65	61	64.7	3516	302484	306000	314	13.5	67.2	317942
Average Daily																		
Mobile	133	122	109	916	2.33	1.59	223	224	1.49	56.6	58.1		238674	238674	11.3	10.9	256	242466
Area	26.3	196	2.69	289	0.01	0.13		0.13	0.1		0.1	0	771	771	0.03	0.01		774
Energy	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		55751	55751	4.23	0.24		55927
Water												559	467	1026	1.95	1.22		1439
Waste												2957	0	2957	296	0		10344
Refrig.																	51	51
Total	162	319	137	1216	2.51	3.8	223	227	3.67	56.6	60.3	3516	295662	299178	313	12.4	307	311001
Annual																		
Mobile	24.2	22.3	19.8	167	0.43	0.29	40.7	41	0.27	10.3	10.6		39515	39515	1.88	1.81	42.4	40143
Area	4.81	35.7	0.49	52.8	< 0.005	0.02		0.02	0.02		0.02	0	128	128	0.01	< 0.005		128
Energy	0.55	0.27	4.7	2	0.03	0.38		0.38	0.38		0.38		9230	9230	0.7	0.04		9259
Water												92.5	77.3	170	0.32	0.2		238
Waste												490	0	490	48.9	0		1713
Refrig.																	8.45	8.45
Total	29.6	58.3	25	222	0.46	0.69	40.7	41.4	0.67	10.3	11	582	48950	49532	51.8	2.05	50.9	51490

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		

Mobile	154	142	104	1141	2.64	1.67	240	242	1.57	61	62.6		269501	269501	11.2	11	624	273673
Area	38.5	207	3.93	422	0.02	0.19		0.19	0.14		0.14	0	1125	1125	0.05	0.01		1129
Energy	0	0	0	0	0	0		0	0		0		23072	23072	1.33	0.18		23158
Water												559	467	1026	1.95	1.22		1439
Waste												2957	0	2957	296	0		10344
Refrig.																	51	51
Total	192	349	108	1563	2.66	1.86	240	242	1.71	61	62.7	3516	294165	297681	310	12.4	675	309795
Daily, Winter (Max)																		
Mobile	140	128	122	982	2.41	1.67	240	242	1.57	61	62.6		246267	246267	12.8	12	16.2	250180
Area	0	171	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0	0	0	0	0	0		0	0		0		23072	23072	1.33	0.18		23158
Water												559	467	1026	1.95	1.22		1439
Waste												2957	0	2957	296	0		10344
Refrig.																	51	51
Total	140	299	122	982	2.41	1.67	240	242	1.57	61	62.6	3516	269805	273321	312	13.4	67.2	285172
Average Daily																		
Mobile	133	122	109	916	2.33	1.59	223	224	1.49	56.6	58.1		238674	238674	11.3	10.9	256	242466
Area	26.3	196	2.69	289	0.01	0.13		0.13	0.1		0.1	0	771	771	0.03	0.01		774
Energy	0	0	0	0	0	0		0	0		0		23072	23072	1.33	0.18		23158
Water												559	467	1026	1.95	1.22		1439
Waste												2957	0	2957	296	0		10344
Refrig.																	51	51
Total	159	318	111	1205	2.35	1.72	223	225	1.59	56.6	58.2	3516	262983	266499	310	12.3	307	278232
Annual																		
Mobile	24.2	22.3	19.8	167	0.43	0.29	40.7	41	0.27	10.3	10.6		39515	39515	1.88	1.81	42.4	40143
Area	4.81	35.7	0.49	52.8	< 0.005	0.02		0.02	0.02		0.02	0	128	128	0.01	< 0.005		128
Energy	0	0	0	0	0	0		0	0		0		3820	3820	0.22	0.03		3834
Water												92.5	77.3	170	0.32	0.2		238
Waste												490	0	490	48.9	0		1713
Refrig.																	8.45	8.45
Total	29.1	58	20.3	220	0.43	0.31	40.7	41	0.29	10.3	10.6	582	43540	44122	51.4	2.04	50.9	46064

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	154	142	104	1141	2.64	1.67	240	242	1.57	61	62.6		269501	269501	11.2	11	624	273673
Total	154	142	104	1141	2.64	1.67	240	242	1.57	61	62.6		269501	269501	11.2	11	624	273673
Daily, Winter (Max)																		
Apartment	140	128	122	982	2.41	1.67	240	242	1.57	61	62.6		246267	246267	12.8	12	16.2	250180
Total	140	128	122	982	2.41	1.67	240	242	1.57	61	62.6		246267	246267	12.8	12	16.2	250180
Annual																		
Apartment	24.2	22.3	19.8	167	0.43	0.29	40.7	41	0.27	10.3	10.6		39515	39515	1.88	1.81	42.4	40143
Total	24.2	22.3	19.8	167	0.43	0.29	40.7	41	0.27	10.3	10.6		39515	39515	1.88	1.81	42.4	40143

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	154	142	104	1141	2.64	1.67	240	242	1.57	61	62.6		269501	269501	11.2	11	624	273673
Total	154	142	104	1141	2.64	1.67	240	242	1.57	61	62.6		269501	269501	11.2	11	624	273673
Daily, Winter (Max)																		
Apartment	140	128	122	982	2.41	1.67	240	242	1.57	61	62.6		246267	246267	12.8	12	16.2	250180
Total	140	128	122	982	2.41	1.67	240	242	1.57	61	62.6		246267	246267	12.8	12	16.2	250180
Annual																		
Apartment	24.2	22.3	19.8	167	0.43	0.29	40.7	41	0.27	10.3	10.6		39515	39515	1.88	1.81	42.4	40143
Total	24.2	22.3	19.8	167	0.43	0.29	40.7	41	0.27	10.3	10.6		39515	39515	1.88	1.81	42.4	40143

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													23071	23071	1.33	0.18		23157
Total													23071	23071	1.33	0.18		23157
Daily, Winter (Max)																		
Apartments Mid Rise													23071	23071	1.33	0.18		23157
Total													23071	23071	1.33	0.18		23157
Annual																		
Apartments Mid Rise													3820	3820	0.22	0.03		3834
Total													3820	3820	0.22	0.03		3834

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													23072	23072	1.33	0.18		23158
Total													23072	23072	1.33	0.18		23158
Daily, Winter (Max)																		
Apartments Mid Rise													23072	23072	1.33	0.18		23158
Total													23072	23072	1.33	0.18		23158
Annual																		
Apartments Mid Rise													3820	3820	0.22	0.03		3834
Total													3820	3820	0.22	0.03		3834

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		32680	32680	2.89	0.06		32771

Total	3.01	1.51	25.7	11	0.16	2.08	2.08	2.08	2.08	32680	32680	2.89	0.06	32771
Daily, Winter (Max)														
Apartment	3.01	1.51	25.7	11	0.16	2.08	2.08	2.08	2.08	32680	32680	2.89	0.06	32771
Total	3.01	1.51	25.7	11	0.16	2.08	2.08	2.08	2.08	32680	32680	2.89	0.06	32771
Annual														
Apartment	0.55	0.27	4.7	2	0.03	0.38	0.38	0.38	0.38	5411	5411	0.48	0.01	5426
Total	0.55	0.27	4.7	2	0.03	0.38	0.38	0.38	0.38	5411	5411	0.48	0.01	5426

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		152																
Architectural Coatings		18.3																
Landscape	38.5	36.4	3.93	422	0.02	0.19		0.19	0.14		0.14		1125	1125	0.05	0.01		1129
Total	38.5	207	3.93	422	0.02	0.19		0.19	0.14		0.14	0	1125	1125	0.05	0.01		1129
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		152																
Architectural Coatings		18.3																
Total	0	171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		27.8																
Architectural Coatings		3.34																
Landscape	4.81	4.55	0.49	52.8	< 0.005	0.02		0.02	0.02		0.02		128	128	0.01	< 0.005		128
Total	4.81	35.7	0.49	52.8	< 0.005	0.02		0.02	0.02		0.02	0	128	128	0.01	< 0.005		128

4.3.2. Mitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		152																
Architectural Coatings		18.3																
Landscape	38.5	36.4	3.93	422	0.02	0.19		0.19	0.14		0.14		1125	1125	0.05	0.01		1129
Total	38.5	207	3.93	422	0.02	0.19		0.19	0.14		0.14	0	1125	1125	0.05	0.01		1129
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		152																
Architectural Coatings		18.3																
Total	0	171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		27.8																
Architectural Coatings		3.34																
Landscape	4.81	4.55	0.49	52.8	< 0.005	0.02		0.02	0.02		0.02		128	128	0.01	< 0.005		128
Total	4.81	35.7	0.49	52.8	< 0.005	0.02		0.02	0.02		0.02	0	128	128	0.01	< 0.005		128

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												559	467	1026	1.95	1.22		1439
Total												559	467	1026	1.95	1.22		1439
Daily, Winter (Max)																		
Apartments Mid Rise												559	467	1026	1.95	1.22		1439
Total												559	467	1026	1.95	1.22		1439
Annual																		
Apartments Mid Rise												92.5	77.3	170	0.32	0.2		238
Total												92.5	77.3	170	0.32	0.2		238

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												559	467	1026	1.95	1.22		1439
Total												559	467	1026	1.95	1.22		1439
Daily, Winter (Max)																		
Apartments Mid Rise												559	467	1026	1.95	1.22		1439
Total												559	467	1026	1.95	1.22		1439
Annual																		
Apartments Mid Rise												92.5	77.3	170	0.32	0.2		238
Total												92.5	77.3	170	0.32	0.2		238

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Mid Rise											2957	0	2957	296	0		10344
Total											2957	0	2957	296	0		10344
Daily, Winter (Max)																	
Apartments Mid Rise											2957	0	2957	296	0		10344
Total											2957	0	2957	296	0		10344
Annual																	
Apartments Mid Rise											490	0	490	48.9	0		1713
Total											490	0	490	48.9	0		1713

4.5.2. Mitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Mid Rise											2957	0	2957	296	0		10344
Total											2957	0	2957	296	0		10344
Daily, Winter (Max)																	
Apartments Mid Rise											2957	0	2957	296	0		10344
Total											2957	0	2957	296	0		10344
Annual																	
Apartments Mid Rise											490	0	490	48.9	0		1713
Total											490	0	490	48.9	0		1713

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Mid Rise																51	51
Total																51	51
Daily, Winter (Max)																	
Apartments Mid Rise																51	51
Total																51	51
Annual																	
Apartments Mid Rise																8.45	8.45
Total																8.45	8.45

4.6.2. Mitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Mid Rise																51	51
Total																51	51
Daily, Winter (Max)																	
Apartments Mid Rise																51	51
Total																51	51
Annual																	
Apartments Mid Rise																8.45	8.45
Total																8.45	8.45

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.7.2. Mitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.8.2. Mitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		

Subtotal
Sequestered
Subtotal
Removed
Subtotal

Daily, Winter (Max)
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

Annual
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

5. Activity Data
5.9. Operational Mobile Sources
5.9.1. Unmitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	40359	36427	30344	14003893	338859	305845	254767	1.18E+08

5.9.2. Mitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	40359	36427	30344	14003893	338859	305845	254767	1.18E+08

5.10. Operational Area Sources
5.10.1. Hearths
5.10.1.1. Unmitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	7419
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.1.2. Mitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	7419
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.2. Architectural Coatings

Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
14422536	4807512	0	0	

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.11. Operational Energy Consumption
5.11.1. Unmitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	37761761	223	0.0129	0.0017	1.02E+08

5.11.2. Mitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	37763762	223	0.0129	0.0017	0

5.12. Operational Water and Wastewater Consumption
5.12.1. Unmitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)

Apartment 2.62E+08 35025380

5.12.2. Mitigated
Land Use Indoor Wa Outdoor Water (gal/year)
Apartment 2.62E+08 35025380

5.13. Operational Waste Generation
5.13.1. Unmitigated
Land Use Waste (ton Cogeneration (kWh/year)
Apartment 5486

5.13.2. Mitigated
Land Use Waste (ton Cogeneration (kWh/year)
Apartment 5486

5.14. Operational Refrigeration and Air Conditioning Equipment
5.14.1. Unmitigated
Land Use T Equipment Refrigeran GWP Quantity (k Operations Service Lea Times Serviced
Apartment Average ro R-410A 2088 < 0.005 2.5 2.5 10
Apartment Household R-134a 1430 0.12 0.6 0 1

5.14.2. Mitigated
Land Use T Equipment Refrigeran GWP Quantity (k Operations Service Lea Times Serviced
Apartment Average ro R-410A 2088 < 0.005 2.5 2.5 10
Apartment Household R-134a 1430 0.12 0.6 0 1

5.15. Operational Off-Road Equipment
5.15.1. Unmitigated
Equipment Fuel Type Engine Tier Number pe Hours Per I Horsepow Load Factor

5.15.2. Mitigated
Equipment Fuel Type Engine Tier Number pe Hours Per I Horsepow Load Factor

5.16. Stationary Sources
5.16.1. Emergency Generators and Fire Pumps
Equipment Fuel Type Number pe Hours per I Hours per Horsepow Load Factor

5.16.2. Process Boilers
Equipment Fuel Type Number Boiler Ratir Daily Heat Annual Heat Input (MMBtu/yr)

5.17. User Defined
Equipment Fuel Type

5.18. Vegetation
5.18.1. Land Use Change
5.18.1.1. Unmitigated
Vegetation Vegetation Initial Acre Final Acres

5.18.1.2. Mitigated
Vegetation Vegetation Initial Acre Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated
Biomass Cc Initial Acre Final Acres

5.18.1.2. Mitigated
Biomass Cc Initial Acre Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated
Tree Type Number Electricity S Natural Gas Saved (btu/year)

5.18.2.2. Mitigated
Tree Type Number Electricity S Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.
Climate Ha Result for F Unit
Temperatu 18.8 annual days of extreme heat
Extreme Pr 6.2 annual days with precipitation above 20 mm
Sea Level Rise meters of inundation depth
Wildfire 0 annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure. The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure. The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	48.5
AQ-PM	37.5
AQ-DPM	65.4
Drinking W	56.6
Lead Risk H	38.1
Pesticides	29.5
Toxic Relea	41.1
Traffic	78.6
Effect Indicators	
CleanUp Si	0
Groundwat	28.3
Haz Waste	40.9
Impaired W	51.2
Solid Waste	73
Sensitive Population	
Asthma	87.9
Cardio-vas	72
Low Birth W	9.08
Socioeconomic Factor Indicators	
Education	20.9
Housing	22.7
Linguistic	21.4
Poverty	43.5
Unemployr	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	65.76415
Employed	89.43924
Median HI	66.04645
Education	
Bachelor's	71.14077
High schoo	100
Preschool e	54.90825
Transportation	
Auto Acces	28.53843
Active com	72.93725
Social	
2-parent h	56.35827
Voting	87.62992
Neighborhood	
Alcohol ava	60.41319
Park access	81.35506

Retail dens	56.7304
Supermark	55.3702
Tree canop	89.60606
Housing	
Homeowne	69.85756
Housing ha	79.08379
Low-inc ho	69.62659
Low-inc rer	61.37559
Uncrowdec	59.34813
Health Outcomes	
Insured ad	68.56153
Arthritis	8.6
Asthma ER	26
High Blood	9.1
Cancer (ex	7.2
Asthma	46
Coronary H	12
Chronic Ob	31
Diagnosed	50
Life Expect	28
Cognitively	73
Physically	62
Heart Atta	24
Mental He	70
Chronic Kid	27
Obesity	53
Pedestrian	75
Physical He	59
Stroke	26
Health Risk Behaviors	
Binge Drink	54
Current Sm	64
No Leisure	74
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	42
Elderly	9
English Spe	62
Foreign-bo	13
Outdoor W	28
Climate Change Adaptive Capacity	
Impervious	55
Traffic Den	84
Traffic Acc	61
Other Indices	
Hardship	33
Other Decision Support	
2016 Votin	77

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroS	49
Healthy Pla	77
Project Loc	No
Project Loc	No
Project Loc	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure T	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure T	Sponsor

8. User Changes to Default Data

Screen	Justification
Operations	...
Land Use	236 acres with 7419 units

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nai	Sac Rezone Fair Oaks Operations (rezoned)
Operationa	2030
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3.5
Precipitatic	39.2
Location	38.637469230516956, -121.32836613666706
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	619
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	37	Dwelling U	1.25	35520	10890		104	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	1.06	1.82	0.85	10.2	0.02	0.02	1.79	1.81	0.02	0.45	0.48	17.6	2347	2364	1.58	0.08	4.9	2433
Mit.	1.05	1.81	0.72	10.1	0.02	0.01	1.79	1.8	0.01	0.45	0.47	17.6	2190	2208	1.57	0.08	4.9	2276
% Reduced	1.38	0.4	14.7	0.52		43.6		0.56	45.6		2.12		6.67	6.62	0.88			6.45
Daily, Winter (Max)																		
Unmit.	0.8	1.56	0.95	6.62	0.02	0.02	1.79	1.81	0.02	0.45	0.48	17.6	2167	2185	1.59	0.09	0.37	2252
Mit.	0.79	1.56	0.83	6.57	0.02	0.01	1.79	1.8	0.01	0.45	0.47	17.6	2011	2029	1.58	0.09	0.37	2095
% Reduced	1.83	0.47	13.1	0.8		45.5		0.56	47.1		2.12		7.22	7.16	0.88			6.97
Average Daily (Max)																		
Unmit.	0.89	1.66	0.87	7.74	0.02	0.02	1.66	1.68	0.02	0.42	0.44	17.6	2116	2133	1.58	0.08	2.16	2200
Mit.	0.88	1.65	0.75	7.69	0.02	0.01	1.66	1.67	0.01	0.42	0.43	17.6	1959	1977	1.57	0.08	2.16	2043
% Reduced	1.64	0.44	14.3	0.69		45.4		0.6	47.2		2.28		7.39	7.33	0.88			7.13
Annual (Max)																		
Unmit.	0.16	0.3	0.16	1.41	< 0.005	< 0.005	0.3	0.31	< 0.005	0.08	0.08	2.91	350	353	0.26	0.01	0.36	364
Mit.	0.16	0.3	0.14	1.4	< 0.005	< 0.005	0.3	0.3	< 0.005	0.08	0.08	2.91	324	327	0.26	0.01	0.36	338
% Reduced	1.64	0.44	14.3	0.69	4.41	45.4		0.6	47.2		2.28		7.39	7.33	0.88	0.35		7.13

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	0.86	0.78	0.7	7.99	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1990	1990	0.07	0.08	4.65	2019
Area	0.19	1.03	0.02	2.11	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	5.61	5.61	< 0.005	< 0.005		5.63
Energy	0.01	0.01	0.12	0.05	< 0.005	0.01		0.01	0.01		0.01		347	347	0.02	< 0.005		347
Water												2.79	3.93	6.72	0.01	0.01		8.78
Waste												14.8	0	14.8	1.48	0		51.8
Refrig.																	0.25	0.25
Total	1.06	1.82	0.85	10.2	0.02	0.02	1.79	1.81	0.02	0.45	0.48	17.6	2347	2364	1.58	0.08	4.9	2433
Daily, Winter (Max)																		
Mobile	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1817	1817	0.08	0.08	0.12	1844
Area	0	0.85	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0.01	0.01	0.12	0.05	< 0.005	0.01		0.01	0.01		0.01		347	347	0.02	< 0.005		347
Water												2.79	3.93	6.72	0.01	0.01		8.78
Waste												14.8	0	14.8	1.48	0		51.8
Refrig.																	0.25	0.25
Total	0.8	1.56	0.95	6.62	0.02	0.02	1.79	1.81	0.02	0.45	0.48	17.6	2167	2185	1.59	0.09	0.37	2252
Average Daily																		
Mobile	0.75	0.67	0.74	6.25	0.02	0.01	1.66	1.67	0.01	0.42	0.43		1761	1761	0.07	0.07	1.91	1788
Area	0.13	0.98	0.01	1.44	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	3.84	3.84	< 0.005	< 0.005		3.86
Energy	0.01	0.01	0.12	0.05	< 0.005	0.01		0.01	0.01		0.01		347	347	0.02	< 0.005		347
Water												2.79	3.93	6.72	0.01	0.01		8.78
Waste												14.8	0	14.8	1.48	0		51.8
Refrig.																	0.25	0.25
Total	0.89	1.66	0.87	7.74	0.02	0.02	1.66	1.68	0.02	0.42	0.44	17.6	2116	2133	1.58	0.08	2.16	2200
Annual																		
Mobile	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.3	0.3	< 0.005	0.08	0.08		292	292	0.01	0.01	0.32	296
Area	0.02	0.18	< 0.005	0.26	< 0.005	< 0.005		0	< 0.005		0	0	0.64	0.64	< 0.005	< 0.005		0.64
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005		0	< 0.005		0		57.4	57.4	< 0.005	< 0.005		57.5
Water												0.46	0.65	1.11	< 0.005	< 0.005		1.45
Waste												2.45	0	2.45	0.24	0		8.57
Refrig.																	0.04	0.04
Total	0.16	0.3	0.16	1.41	< 0.005	< 0.005	0.3	0.31	< 0.005	0.08	0.08	2.91	350	353	0.26	0.01	0.36	364

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		

Mobile	0.86	0.78	0.7	7.99	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1990	1990	0.07	0.08	4.65	2019
Area	0.19	1.03	0.02	2.11	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	5.61	5.61	< 0.005	< 0.005		5.63
Energy	0	0	0	0	0	0		0	0		0		190	190	0.01	< 0.005		191
Water												2.79	3.93	6.72	0.01	0.01		8.78
Waste												14.8	0	14.8	1.48	0		51.8
Refrig.																	0.25	0.25
Total	1.05	1.81	0.72	10.1	0.02	0.01	1.79	1.8	0.01	0.45	0.47	17.6	2190	2208	1.57	0.08	4.9	2276
Daily, Winter (Max)																		
Mobile	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1817	1817	0.08	0.08	0.12	1844
Area	0	0.85	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0	0	0	0	0	0		0	0		0		190	190	0.01	< 0.005		191
Water												2.79	3.93	6.72	0.01	0.01		8.78
Waste												14.8	0	14.8	1.48	0		51.8
Refrig.																	0.25	0.25
Total	0.79	1.56	0.83	6.57	0.02	0.01	1.79	1.8	0.01	0.45	0.47	17.6	2011	2029	1.58	0.09	0.37	2095
Average Daily																		
Mobile	0.75	0.67	0.74	6.25	0.02	0.01	1.66	1.67	0.01	0.42	0.43		1761	1761	0.07	0.07	1.91	1788
Area	0.13	0.98	0.01	1.44	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	3.84	3.84	< 0.005	< 0.005		3.86
Energy	0	0	0	0	0	0		0	0		0		190	190	0.01	< 0.005		191
Water												2.79	3.93	6.72	0.01	0.01		8.78
Waste												14.8	0	14.8	1.48	0		51.8
Refrig.																	0.25	0.25
Total	0.88	1.65	0.75	7.69	0.02	0.01	1.66	1.67	0.01	0.42	0.43	17.6	1959	1977	1.57	0.08	2.16	2043
Annual																		
Mobile	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.3	0.3	< 0.005	0.08	0.08		292	292	0.01	0.01	0.32	296
Area	0.02	0.18	< 0.005	0.26	< 0.005	< 0.005		0	< 0.005		0	0	0.64	0.64	< 0.005	< 0.005		0.64
Energy	0	0	0	0	0	0		0	0		0		31.5	31.5	< 0.005	< 0.005		31.6
Water												0.46	0.65	1.11	< 0.005	< 0.005		1.45
Waste												2.45	0	2.45	0.24	0		8.57
Refrig.																	0.04	0.04
Total	0.16	0.3	0.14	1.4	< 0.005	< 0.005	0.3	0.3	< 0.005	0.08	0.08	2.91	324	327	0.26	0.01	0.36	338

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.86	0.78	0.7	7.99	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1990	1990	0.07	0.08	4.65	2019
Total	0.86	0.78	0.7	7.99	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1990	1990	0.07	0.08	4.65	2019
Daily, Winter (Max)																		
Apartment	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1817	1817	0.08	0.08	0.12	1844
Total	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1817	1817	0.08	0.08	0.12	1844
Annual																		
Apartment	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.3	0.3	< 0.005	0.08	0.08		292	292	0.01	0.01	0.32	296
Total	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.3	0.3	< 0.005	0.08	0.08		292	292	0.01	0.01	0.32	296

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.86	0.78	0.7	7.99	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1990	1990	0.07	0.08	4.65	2019
Total	0.86	0.78	0.7	7.99	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1990	1990	0.07	0.08	4.65	2019
Daily, Winter (Max)																		
Apartment	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1817	1817	0.08	0.08	0.12	1844
Total	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.8	0.01	0.45	0.47		1817	1817	0.08	0.08	0.12	1844
Annual																		
Apartment	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.3	0.3	< 0.005	0.08	0.08		292	292	0.01	0.01	0.32	296
Total	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.3	0.3	< 0.005	0.08	0.08		292	292	0.01	0.01	0.32	296

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													188	188	0.01	< 0.005		189
Total													188	188	0.01	< 0.005		189
Daily, Winter (Max)																		
Apartments Mid Rise													188	188	0.01	< 0.005		189
Total													188	188	0.01	< 0.005		189
Annual																		
Apartments Mid Rise													31.1	31.1	< 0.005	< 0.005		31.2
Total													31.1	31.1	< 0.005	< 0.005		31.2

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													190	190	0.01	< 0.005		191
Total													190	190	0.01	< 0.005		191
Daily, Winter (Max)																		
Apartments Mid Rise													190	190	0.01	< 0.005		191
Total													190	190	0.01	< 0.005		191
Annual																		
Apartments Mid Rise													31.5	31.5	< 0.005	< 0.005		31.6
Total													31.5	31.5	< 0.005	< 0.005		31.6

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.01	0.01	0.12	0.05	< 0.005	0.01		0.01	0.01		0.01		159	159	0.01	< 0.005		159

Total	0.01	0.01	0.12	0.05	< 0.005	0.01	0.01	0.01	0.01	159	159	0.01	< 0.005			159
Daily, Winter (Max)																
Apartment	0.01	0.01	0.12	0.05	< 0.005	0.01	0.01	0.01	0.01	159	159	0.01	< 0.005			159
Total	0.01	0.01	0.12	0.05	< 0.005	0.01	0.01	0.01	0.01	159	159	0.01	< 0.005			159
Annual																
Apartment	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	26.2	26.2	< 0.005	< 0.005			26.3
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	26.2	26.2	< 0.005	< 0.005			26.3

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.76																
Architectural Coatings		0.09																
Landscape	0.19	0.18	0.02	2.11	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		5.61	5.61	< 0.005	< 0.005		5.63
Total	0.19	1.03	0.02	2.11	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	5.61	5.61	< 0.005	< 0.005		5.63
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.76																
Architectural Coatings		0.09																
Total	0	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.14																
Architectural Coatings		0.02																
Landscape	0.02	0.02	< 0.005	0.26	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.64	0.64	< 0.005	< 0.005		0.64
Total	0.02	0.18	< 0.005	0.26	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	0.64	0.64	< 0.005	< 0.005		0.64

4.3.2. Mitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.76																
Architectural Coatings		0.09																
Landscape	0.19	0.18	0.02	2.11	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		5.61	5.61	< 0.005	< 0.005		5.63
Total	0.19	1.03	0.02	2.11	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	5.61	5.61	< 0.005	< 0.005		5.63
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.76																
Architectural Coatings		0.09																
Total	0	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.14																
Architectural Coatings		0.02																
Landscape	0.02	0.02	< 0.005	0.26	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.64	0.64	< 0.005	< 0.005		0.64
Total	0.02	0.18	< 0.005	0.26	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	0.64	0.64	< 0.005	< 0.005		0.64

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												2.79	3.93	6.72	0.01	0.01		8.78
Total												2.79	3.93	6.72	0.01	0.01		8.78
Daily, Winter (Max)																		
Apartments Mid Rise												2.79	3.93	6.72	0.01	0.01		8.78
Total												2.79	3.93	6.72	0.01	0.01		8.78
Annual																		
Apartments Mid Rise												0.46	0.65	1.11	< 0.005	< 0.005		1.45
Total												0.46	0.65	1.11	< 0.005	< 0.005		1.45

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												2.79	3.93	6.72	0.01	0.01		8.78
Total												2.79	3.93	6.72	0.01	0.01		8.78
Daily, Winter (Max)																		
Apartments Mid Rise												2.79	3.93	6.72	0.01	0.01		8.78
Total												2.79	3.93	6.72	0.01	0.01		8.78
Annual																		
Apartments Mid Rise												0.46	0.65	1.11	< 0.005	< 0.005		1.45
Total												0.46	0.65	1.11	< 0.005	< 0.005		1.45

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												14.8	0	14.8	1.48	0		51.8
Total												14.8	0	14.8	1.48	0		51.8
Daily, Winter (Max)																		
Apartments Mid Rise												14.8	0	14.8	1.48	0		51.8
Total												14.8	0	14.8	1.48	0		51.8
Annual																		
Apartments Mid Rise												2.45	0	2.45	0.24	0		8.57
Total												2.45	0	2.45	0.24	0		8.57

4.5.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												14.8	0	14.8	1.48	0		51.8
Total												14.8	0	14.8	1.48	0		51.8
Daily, Winter (Max)																		
Apartments Mid Rise												14.8	0	14.8	1.48	0		51.8
Total												14.8	0	14.8	1.48	0		51.8
Annual																		
Apartments Mid Rise												2.45	0	2.45	0.24	0		8.57
Total												2.45	0	2.45	0.24	0		8.57

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise																	0.25	0.25
Total																	0.25	0.25
Daily, Winter (Max)																		
Apartments Mid Rise																	0.25	0.25
Total																	0.25	0.25
Annual																		
Apartments Mid Rise																	0.04	0.04
Total																	0.04	0.04

4.6.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise																	0.25	0.25
Total																	0.25	0.25
Daily, Winter (Max)																		
Apartments Mid Rise																	0.25	0.25
Total																	0.25	0.25
Annual																		
Apartments Mid Rise																	0.04	0.04
Total																	0.04	0.04

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.7.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		

Subtotal
Sequestered
Subtotal
Removed
Subtotal

Daily, Winter (Max)
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

Annual
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

5. Activity Data
5.9. Operational Mobile Sources
5.9.1. Unmitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	201	182	151	69840	2524	2278	1898	875808

5.9.2. Mitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	201	182	151	69840	2524	2278	1898	875808

5.10. Operational Area Sources
5.10.1. Hearths
5.10.1.1. Unmitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	37
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.1.2. Mitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	37
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.2. Architectural Coatings

Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
71928	23976	0	0	

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.11. Operational Energy Consumption
5.11.1. Unmitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	183165	375	0.0129	0.0017	494615

5.11.2. Mitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	185167	375	0.0129	0.0017	0

5.12. Operational Water and Wastewater Consumption
5.12.1. Unmitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)

Apartment 1304583 185892

5.12.2. Mitigated
Land Use Indoor Wa Outdoor Water (gal/year)
Apartment 1304583 185892

5.13. Operational Waste Generation
5.13.1. Unmitigated
Land Use Waste (ton Cogeneration (kWh/year)
Apartment 27.5

5.13.2. Mitigated
Land Use Waste (ton Cogeneration (kWh/year)
Apartment 27.5

5.14. Operational Refrigeration and Air Conditioning Equipment
5.14.1. Unmitigated
Land Use T Equipment Refrigerant GWP Quantity (k Operations Service Lea Times Serviced
Apartment Average ro R-410A 2088 < 0.005 2.5 2.5 10
Apartment Household R-134a 1430 0.12 0.6 0 1

5.14.2. Mitigated
Land Use T Equipment Refrigerant GWP Quantity (k Operations Service Lea Times Serviced
Apartment Average ro R-410A 2088 < 0.005 2.5 2.5 10
Apartment Household R-134a 1430 0.12 0.6 0 1

5.15. Operational Off-Road Equipment
5.15.1. Unmitigated
Equipment Fuel Type Engine Tier Number pe Hours Per I Horsepow Load Factor

5.15.2. Mitigated
Equipment Fuel Type Engine Tier Number pe Hours Per I Horsepow Load Factor

5.16. Stationary Sources
5.16.1. Emergency Generators and Fire Pumps
Equipment Fuel Type Number pe Hours per I Hours per Horsepow Load Factor

5.16.2. Process Boilers
Equipment Fuel Type Number Boiler Ratir Daily Heat Annual Heat Input (MMBtu/yr)

5.17. User Defined
Equipment Fuel Type

5.18. Vegetation
5.18.1. Land Use Change
5.18.1.1. Unmitigated
Vegetation Vegetation Initial Acre Final Acres

5.18.1.2. Mitigated
Vegetation Vegetation Initial Acre Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated
Biomass Cc Initial Acre Final Acres

5.18.1.2. Mitigated
Biomass Cc Initial Acre Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated
Tree Type Number Electricity S Natural Gas Saved (btu/year)

5.18.2.2. Mitigated
Tree Type Number Electricity S Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	24.1	annual days of extreme heat
Extreme Pr	6.45	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0.69	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	2	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	2	1	1	3
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	59.7
AQ-PM	39.5
AQ-DPM	50.3
Drinking W	47.8
Lead Risk H	54.5
Pesticides	0
Toxic Relea	20.9
Traffic	21.4
Effect Indicators	
CleanUp Si	18.7
Groundwat	78.3
Haz Waste	59.8
Impaired W	77.3
Solid Waste	0
Sensitive Population	
Asthma	88.7
Cardio-vas	62.6
Low Birth W	7.38
Socioeconomic Factor Indicators	
Education	25.1
Housing	70.2
Linguistic	37
Poverty	67.4
Unemployr	14.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	37.16156
Employed	15.56525
Median HI	23.82908
Education	
Bachelor's	54.33081
High schoo	26.62646
Preschool e	15.20595
Transportation	
Auto Acces	28.94906
Active com	46.06698
Social	
2-parent h	11.18953
Voting	74.93905
Neighborhood	
Alcohol ava	37.77749
Park access	30.25792
Retail dens	94.59772

Supermark	42.71782
Tree canop	91.62069
Housing	
Homeowne	51.98255
Housing ha	41.55011
Low-inc ho	37.45669
Low-inc rer	6.736815
Uncrowdec	66.91903
Health Outcomes	
Insured ad	47.9148
Arthritis	0
Asthma ER	6
High Blood	0
Cancer (ex	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	11
Cognitively	14
Physically	27
Heart Atta	49
Mental He	0
Chronic Kic	0
Obesity	0
Pedestrian	53
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	67
Elderly	28
English Spe	75
Foreign-bo	11
Outdoor W	47
Climate Change Adaptive Capacity	
Impervious	61
Traffic Den	60
Traffic Acc	23
Other Indices	
Hardship	64
Other Decision Support	
2016 Votin	65

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroS	47
Healthy Pla	30
Project Loc	No
Project Loc	Yes
Project Loc	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure T	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure T	Sponsor

8. User Changes to Default Data

Screen	Justification
Constructio	no demo
Land Use	PD

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nai	Sac Rezone North Watt Operations (rezoned)
Operationa	2030
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3.5
Precipitatic	39.2
Location	38.66735756395545, -121.38321539651498
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	657
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	735	Dwelling U	21.3	705600	185653		2058	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	20.4	35.6	15.4	183	0.35	0.43	30.8	31.2	0.41	7.82	8.23	348	39874	40223	31.2	1.47	85.1	41527
Mit.	20.1	35.4	12.9	182	0.34	0.23	30.8	31	0.21	7.82	8.03	348	36727	37075	30.9	1.47	85.1	38370
% Reduced	1.43	0.41	16.2	0.58	4.48	46.7		0.64	48.7		2.44		7.89	7.83	0.89	0.4		7.6
Daily, Winter (Max)																		
Unmit.	15.2	30.5	17.2	118	0.32	0.41	30.8	31.2	0.4	7.82	8.22	348	36779	37127	31.3	1.6	7.13	38394
Mit.	14.9	30.4	14.7	117	0.31	0.21	30.8	31	0.2	7.82	8.02	348	33631	33980	31	1.59	7.13	35237
% Reduced	1.91	0.48	14.5	0.89	4.91	48.8		0.64	50.4		2.44		8.56	8.48	0.89	0.37		8.22
Average Daily (Max)																		
Unmit.	17.1	32.4	15.8	140	0.31	0.41	28.5	28.9	0.4	7.25	7.65	348	35895	36244	31.2	1.47	37.9	37499
Mit.	16.8	32.2	13.3	139	0.3	0.21	28.5	28.7	0.2	7.25	7.45	348	32748	33096	30.9	1.46	37.9	34342
% Reduced	1.7	0.45	15.7	0.75	5.04	48.5		0.69	50.4		2.62		8.77	8.68	0.89	0.4		8.42
Annual (Max)																		
Unmit.	3.11	5.91	2.88	25.6	0.06	0.08	5.21	5.28	0.07	1.32	1.4	57.7	5943	6001	5.16	0.24	6.27	6208
Mit.	3.06	5.88	2.43	25.4	0.05	0.04	5.21	5.25	0.04	1.32	1.36	57.7	5422	5479	5.12	0.24	6.27	5686
% Reduced	1.7	0.45	15.7	0.75	5.04	48.5		0.69	50.4		2.62		8.77	8.68	0.89	0.4		8.42

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	16.3	14.9	12.5	140	0.34	0.21	30.8	31	0.2	7.82	8.02		34345	34345	1.31	1.33	80	34854
Area	3.81	20.5	0.39	41.8	< 0.005	0.02		0.02	0.01		0.01	0	111	111	< 0.005	< 0.005		112
Energy	0.29	0.15	2.48	1.06	0.02	0.2		0.2	0.2		0.2		5372	5372	0.41	0.02		5389
Water												55.4	45.9	101	0.19	0.12		142
Waste												293	0	293	29.3	0		1025
Refrig.																	5.05	5.05
Total	20.4	35.6	15.4	183	0.35	0.43	30.8	31.2	0.41	7.82	8.23	348	39874	40223	31.2	1.47	85.1	41527
Daily, Winter (Max)																		
Mobile	14.9	13.5	14.7	117	0.31	0.21	30.8	31	0.2	7.82	8.02		31361	31361	1.45	1.45	2.07	31833
Area	0	16.9	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0.29	0.15	2.48	1.06	0.02	0.2		0.2	0.2		0.2		5372	5372	0.41	0.02		5389
Water												55.4	45.9	101	0.19	0.12		142
Waste												293	0	293	29.3	0		1025
Refrig.																	5.05	5.05
Total	15.2	30.5	17.2	118	0.32	0.41	30.8	31.2	0.4	7.82	8.22	348	36779	37127	31.3	1.6	7.13	38394
Average Daily																		
Mobile	14.2	12.8	13.1	111	0.3	0.2	28.5	28.7	0.19	7.25	7.44		30401	30401	1.3	1.32	32.8	30861
Area	2.61	19.4	0.27	28.7	< 0.005	0.01		0.01	0.01		0.01	0	76.4	76.4	< 0.005	< 0.005		76.6
Energy	0.29	0.15	2.48	1.06	0.02	0.2		0.2	0.2		0.2		5372	5372	0.41	0.02		5389
Water												55.4	45.9	101	0.19	0.12		142
Waste												293	0	293	29.3	0		1025
Refrig.																	5.05	5.05
Total	17.1	32.4	15.8	140	0.31	0.41	28.5	28.9	0.4	7.25	7.65	348	35895	36244	31.2	1.47	37.9	37499
Annual																		
Mobile	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36		5033	5033	0.22	0.22	5.44	5109
Area	0.48	3.54	0.05	5.23	< 0.005	< 0.005		0	< 0.005		0	0	12.6	12.6	< 0.005	< 0.005		12.7
Energy	0.05	0.03	0.45	0.19	< 0.005	0.04		0.04	0.04		0.04		889	889	0.07	< 0.005		892
Water												9.17	7.61	16.8	0.03	0.02		23.6
Waste												48.5	0	48.5	4.85	0		170
Refrig.																	0.84	0.84
Total	3.11	5.91	2.88	25.6	0.06	0.08	5.21	5.28	0.07	1.32	1.4	57.7	5943	6001	5.16	0.24	6.27	6208

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		

Mobile	16.3	14.9	12.5	140	0.34	0.21	30.8	31	0.2	7.82	8.02		34345	34345	1.31	1.33	80	34854
Area	3.81	20.5	0.39	41.8	< 0.005	0.02		0.02	0.01		0.01	0	111	111	< 0.005	< 0.005		112
Energy	0	0	0	0	0	0		0	0		0		2224	2224	0.13	0.02		2232
Water												55.4	45.9	101	0.19	0.12		142
Waste												293	0	293	29.3	0		1025
Refrig.																	5.05	5.05
Total	20.1	35.4	12.9	182	0.34	0.23	30.8	31	0.21	7.82	8.03	348	36727	37075	30.9	1.47	85.1	38370
Daily, Winter (Max)																		
Mobile	14.9	13.5	14.7	117	0.31	0.21	30.8	31	0.2	7.82	8.02		31361	31361	1.45	1.45	2.07	31833
Area	0	16.9	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0	0	0	0	0	0		0	0		0		2224	2224	0.13	0.02		2232
Water												55.4	45.9	101	0.19	0.12		142
Waste												293	0	293	29.3	0		1025
Refrig.																	5.05	5.05
Total	14.9	30.4	14.7	117	0.31	0.21	30.8	31	0.2	7.82	8.02	348	33631	33980	31	1.59	7.13	35237
Average Daily																		
Mobile	14.2	12.8	13.1	111	0.3	0.2	28.5	28.7	0.19	7.25	7.44		30401	30401	1.3	1.32	32.8	30861
Area	2.61	19.4	0.27	28.7	< 0.005	0.01		0.01	0.01		0.01	0	76.4	76.4	< 0.005	< 0.005		76.6
Energy	0	0	0	0	0	0		0	0		0		2224	2224	0.13	0.02		2232
Water												55.4	45.9	101	0.19	0.12		142
Waste												293	0	293	29.3	0		1025
Refrig.																	5.05	5.05
Total	16.8	32.2	13.3	139	0.3	0.21	28.5	28.7	0.2	7.25	7.45	348	32748	33096	30.9	1.46	37.9	34342
Annual																		
Mobile	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36		5033	5033	0.22	0.22	5.44	5109
Area	0.48	3.54	0.05	5.23	< 0.005	< 0.005		0	< 0.005		0	0	12.6	12.6	< 0.005	< 0.005		12.7
Energy	0	0	0	0	0	0		0	0		0		368	368	0.02	< 0.005		370
Water												9.17	7.61	16.8	0.03	0.02		23.6
Waste												48.5	0	48.5	4.85	0		170
Refrig.																	0.84	0.84
Total	3.06	5.88	2.43	25.4	0.05	0.04	5.21	5.25	0.04	1.32	1.36	57.7	5422	5479	5.12	0.24	6.27	5686

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	16.3	14.9	12.5	140	0.34	0.21	30.8	31	0.2	7.82	8.02		34345	34345	1.31	1.33	80	34854
Total	16.3	14.9	12.5	140	0.34	0.21	30.8	31	0.2	7.82	8.02		34345	34345	1.31	1.33	80	34854
Daily, Winter (Max)																		
Apartment	14.9	13.5	14.7	117	0.31	0.21	30.8	31	0.2	7.82	8.02		31361	31361	1.45	1.45	2.07	31833
Total	14.9	13.5	14.7	117	0.31	0.21	30.8	31	0.2	7.82	8.02		31361	31361	1.45	1.45	2.07	31833
Annual																		
Apartment	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36		5033	5033	0.22	0.22	5.44	5109
Total	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36		5033	5033	0.22	0.22	5.44	5109

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	16.3	14.9	12.5	140	0.34	0.21	30.8	31	0.2	7.82	8.02		34345	34345	1.31	1.33	80	34854
Total	16.3	14.9	12.5	140	0.34	0.21	30.8	31	0.2	7.82	8.02		34345	34345	1.31	1.33	80	34854
Daily, Winter (Max)																		
Apartment	14.9	13.5	14.7	117	0.31	0.21	30.8	31	0.2	7.82	8.02		31361	31361	1.45	1.45	2.07	31833
Total	14.9	13.5	14.7	117	0.31	0.21	30.8	31	0.2	7.82	8.02		31361	31361	1.45	1.45	2.07	31833
Annual																		
Apartment	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36		5033	5033	0.22	0.22	5.44	5109
Total	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36		5033	5033	0.22	0.22	5.44	5109

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													2223	2223	0.13	0.02		2231
Total													2223	2223	0.13	0.02		2231
Daily, Winter (Max)																		
Apartments Mid Rise													2223	2223	0.13	0.02		2231
Total													2223	2223	0.13	0.02		2231
Annual																		
Apartments Mid Rise													368	368	0.02	< 0.005		369
Total													368	368	0.02	< 0.005		369

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													2224	2224	0.13	0.02		2232
Total													2224	2224	0.13	0.02		2232
Daily, Winter (Max)																		
Apartments Mid Rise													2224	2224	0.13	0.02		2232
Total													2224	2224	0.13	0.02		2232
Annual																		
Apartments Mid Rise													368	368	0.02	< 0.005		370
Total													368	368	0.02	< 0.005		370

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.29	0.15	2.48	1.06	0.02	0.2		0.2	0.2		0.2		3149	3149	0.28	0.01		3158

Total	0.29	0.15	2.48	1.06	0.02	0.2	0.2	0.2	0.2	3149	3149	0.28	0.01	3158
Daily, Winter (Max)														
Apartment	0.29	0.15	2.48	1.06	0.02	0.2	0.2	0.2	0.2	3149	3149	0.28	0.01	3158
Total	0.29	0.15	2.48	1.06	0.02	0.2	0.2	0.2	0.2	3149	3149	0.28	0.01	3158
Annual														
Apartment	0.05	0.03	0.45	0.19	< 0.005	0.04	0.04	0.04	0.04	521	521	0.05	< 0.005	523
Total	0.05	0.03	0.45	0.19	< 0.005	0.04	0.04	0.04	0.04	521	521	0.05	< 0.005	523

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		15.1																
Architectural Coatings		1.81																
Landscape	3.81	3.61	0.39	41.8	< 0.005	0.02		0.02	0.01		0.01		111	111	< 0.005	< 0.005		112
Total	3.81	20.5	0.39	41.8	< 0.005	0.02		0.02	0.01		0.01	0	111	111	< 0.005	< 0.005		112
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		15.1																
Architectural Coatings		1.81																
Total	0	16.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		2.76																
Architectural Coatings		0.33																
Landscape	0.48	0.45	0.05	5.23	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		12.6	12.6	< 0.005	< 0.005		12.7
Total	0.48	3.54	0.05	5.23	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	12.6	12.6	< 0.005	< 0.005		12.7

4.3.2. Mitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		15.1																
Architectural Coatings		1.81																
Landscape	3.81	3.61	0.39	41.8	< 0.005	0.02		0.02	0.01		0.01		111	111	< 0.005	< 0.005		112
Total	3.81	20.5	0.39	41.8	< 0.005	0.02		0.02	0.01		0.01	0	111	111	< 0.005	< 0.005		112
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		15.1																
Architectural Coatings		1.81																
Total	0	16.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		2.76																
Architectural Coatings		0.33																
Landscape	0.48	0.45	0.05	5.23	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		12.6	12.6	< 0.005	< 0.005		12.7
Total	0.48	3.54	0.05	5.23	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	12.6	12.6	< 0.005	< 0.005		12.7

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												55.4	45.9	101	0.19	0.12		142
Total												55.4	45.9	101	0.19	0.12		142
Daily, Winter (Max)																		
Apartments Mid Rise												55.4	45.9	101	0.19	0.12		142
Total												55.4	45.9	101	0.19	0.12		142
Annual																		
Apartments Mid Rise												9.17	7.61	16.8	0.03	0.02		23.6
Total												9.17	7.61	16.8	0.03	0.02		23.6

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												55.4	45.9	101	0.19	0.12		142
Total												55.4	45.9	101	0.19	0.12		142
Daily, Winter (Max)																		
Apartments Mid Rise												55.4	45.9	101	0.19	0.12		142
Total												55.4	45.9	101	0.19	0.12		142
Annual																		
Apartments Mid Rise												9.17	7.61	16.8	0.03	0.02		23.6
Total												9.17	7.61	16.8	0.03	0.02		23.6

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												293	0	293	29.3	0		1025
Total												293	0	293	29.3	0		1025
Daily, Winter (Max)																		
Apartments Mid Rise												293	0	293	29.3	0		1025
Total												293	0	293	29.3	0		1025
Annual																		
Apartments Mid Rise												48.5	0	48.5	4.85	0		170
Total												48.5	0	48.5	4.85	0		170

4.5.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												293	0	293	29.3	0		1025
Total												293	0	293	29.3	0		1025
Daily, Winter (Max)																		
Apartments Mid Rise												293	0	293	29.3	0		1025
Total												293	0	293	29.3	0		1025
Annual																		
Apartments Mid Rise												48.5	0	48.5	4.85	0		170
Total												48.5	0	48.5	4.85	0		170

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise																	5.05	5.05
Total																	5.05	5.05
Daily, Winter (Max)																		
Apartments Mid Rise																	5.05	5.05
Total																	5.05	5.05
Annual																		
Apartments Mid Rise																	0.84	0.84
Total																	0.84	0.84

4.6.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise																	5.05	5.05
Total																	5.05	5.05
Daily, Winter (Max)																		
Apartments Mid Rise																	5.05	5.05
Total																	5.05	5.05
Annual																		
Apartments Mid Rise																	0.84	0.84
Total																	0.84	0.84

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.7.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		

Subtotal
Sequestered
Subtotal
Removed
Subtotal

Daily, Winter (Max)
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

Annual
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

5. Activity Data
5.9. Operational Mobile Sources
5.9.1. Unmitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	3998	3609	3006	1387365	43437	39205	32657	15071676

5.9.2. Mitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	3998	3609	3006	1387365	43437	39205	32657	15071676

5.10. Operational Area Sources
5.10.1. Hearths
5.10.1.1. Unmitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	735
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.1.2. Mitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	735
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.2. Architectural Coatings

Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
1428840	476280	0	0	

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.11. Operational Energy Consumption
5.11.1. Unmitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	3638555	223	0.0129	0.0017	9825458

5.11.2. Mitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	3640556	223	0.0129	0.0017	0

5.12. Operational Water and Wastewater Consumption
5.12.1. Unmitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)

Apartment	25915365	3169087

5.12.2. Mitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)
Apartment	25915365	3169087

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	544	

5.13.2. Mitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	544	

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment	Average ro		R-410A	2088	< 0.005	2.5	2.5	10
Apartment	Household		R-134a	1430	0.12	0.6	0	1

5.14.2. Mitigated

Land Use	T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment	Average ro		R-410A	2088	< 0.005	2.5	2.5	10
Apartment	Household		R-134a	1430	0.12	0.6	0	1

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor

5.15.2. Mitigated

Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment	Fuel Type	Number pe	Hours per I	Hours per \	Horsepowe	Load Factor

5.16.2. Process Boilers

Equipment	Fuel Type	Number	Boiler Ratir	Daily Heat	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1.2. Mitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.1.2. Mitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	21.8	annual days of extreme heat
Extreme Pr	6.35	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score

Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	58.2
AQ-PM	37.4
AQ-DPM	27.5
Drinking W	61.1
Lead Risk H	92.2
Pesticides	7.24
Toxic Relea	21.8
Traffic	47
Effect Indicators	
CleanUp Si	80.9
Groundwat	99.2
Haz Waste	61.6
Impaired W	0
Solid Waste	52.9
Sensitive Population	
Asthma	93.4
Cardio-vas	69.2
Low Birth W	79.4
Socioeconomic Factor Indicators	
Education	62.9
Housing	73.4
Linguistic	39.2
Poverty	91.6
Unemployr	65.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	10.16297
Employed	6.274862
Median HI	6.672655
Education	
Bachelor's	19.73566
High schoo	12.79353
Preschool e	42.65366
Transportation	
Auto Acces	24.89414
Active com	74.06647
Social	
2-parent h	39.00937
Voting	13.02451
Neighborhood	
Alcohol ava	41.65277
Park access	47.42718
Retail dens	38.27794
Supermark	72.19299
Tree canop	82.34313
Housing	

Homeowne	23.13615
Housing ha	24.9198
Low-inc ho	13.20416
Low-inc rer	43.79571
Uncrowdec	25.44591
Health Outcomes	
Insured adı	37.80316
Arthritis	0
Asthma ER	5.9
High Blood	0
Cancer (ex	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	5.5
Cognitively	4
Physically	5.6
Heart Atta	17
Mental He	0
Chronic Kic	0
Obesity	0
Pedestrian	97
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	16
Elderly	68
English Spe	43
Foreign-bo	30
Outdoor W	49
Climate Change Adaptive Capacity	
Impervious	51
Traffic Den	47
Traffic Acc	66
Other Indices	
Hardship	81
Other Decision Support	
2016 Votin	6.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	83
Healthy Pla	13
Project Loc	Yes
Project Loc	Yes
Project Loc	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure T	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure T	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	20% of total lot acreage is landscaped as in GP
Constructio	no demo

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone Old Florin operations (rezoned)
Operationa	2030
Lead Agency	
Land Use Si	Project/site
Analysis Le	County
Windspeed	3
Precipitatic	37.8
Location	38.49656099729435, -121.39733654991514
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	774
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use Si	Size	Unit	Lot Acreag	Building Ar	Landscape .	Special Lan	Population	Description
Apartment	777	Dwelling U	25.2	745920	219717		2176	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	19.8	36.3	12.7	149	0.25	0.38	21.1	21.5	0.37	5.36	5.73	368	29637	30005	32.7	1.16	60.2	31228
Mit.	19.5	36.1	10.1	148	0.23	0.17	21.1	21.3	0.16	5.36	5.51	368	26310	26678	32.4	1.15	60.2	27891
% Reduced	1.55	0.42	20.6	0.75	6.66	55.6		0.99	57.7		3.7		11.2	11.1	0.9	0.54		10.7
Daily, Winter (Max)																		
Unmit.	14.3	31	13.9	92.5	0.23	0.36	21.1	21.5	0.35	5.36	5.71	368	27481	27850	32.8	1.26	6.76	29051
Mit.	14	30.8	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.5	368	24154	24522	32.5	1.25	6.76	25714
% Reduced	2.14	0.5	18.8	1.21	7.3	58.6		0.99	60.2		3.71		12.1	11.9	0.9	0.5		11.5
Average Daily (Max)																		
Unmit.	16.4	33	13	116	0.22	0.37	19.6	19.9	0.36	4.97	5.33	368	26888	27256	32.7	1.16	27.8	28445
Mit.	16.1	32.8	10.3	115	0.21	0.16	19.6	19.7	0.14	4.97	5.12	368	23560	23928	32.4	1.15	27.8	25108
% Reduced	1.87	0.47	20.2	0.96	7.47	57.6		1.06	59.6		3.98		12.4	12.2	0.9	0.54		11.7
Annual (Max)																		
Unmit.	2.99	6.02	2.37	21.1	0.04	0.07	3.57	3.64	0.06	0.91	0.97	61	4452	4513	5.41	0.19	4.61	4709
Mit.	2.94	5.99	1.89	20.9	0.04	0.03	3.57	3.6	0.03	0.91	0.93	61	3901	3962	5.36	0.19	4.61	4157
% Reduced	1.87	0.47	20.2	0.96	7.47	57.6		1.06	59.6		3.98		12.4	12.2	0.9	0.54		11.7

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.5		23792	23792	1.07	1.01	54.8	24173
Area	4.03	21.7	0.41	44.2	< 0.005	0.02		0.02	0.02		0.02	0	118	118	< 0.005	< 0.005		118
Energy	0.31	0.15	2.62	1.12	0.02	0.21		0.21	0.21		0.21		5679	5679	0.43	0.02		5697
Water												58.5	49	108	0.2	0.13		151
Waste												310	0	310	31	0		1084
Refrig.																	5.34	5.34
Total	19.8	36.3	12.7	149	0.25	0.38	21.1	21.5	0.37	5.36	5.73	368	29637	30005	32.7	1.16	60.2	31228
Daily, Winter (Max)																		
Mobile	14	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.5		21754	21754	1.23	1.1	1.42	22115
Area	0	17.9	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0.31	0.15	2.62	1.12	0.02	0.21		0.21	0.21		0.21		5679	5679	0.43	0.02		5697
Water												58.5	49	108	0.2	0.13		151
Waste												310	0	310	31	0		1084
Refrig.																	5.34	5.34
Total	14.3	31	13.9	92.5	0.23	0.36	21.1	21.5	0.35	5.36	5.71	368	27481	27850	32.8	1.26	6.76	29051
Average Daily																		
Mobile	13.3	12.3	10.1	84.4	0.21	0.14	19.6	19.7	0.13	4.97	5.11		21079	21079	1.08	1	22.5	21427
Area	2.76	20.5	0.28	30.3	< 0.005	0.01		0.01	0.01		0.01	0	80.7	80.7	< 0.005	< 0.005		81
Energy	0.31	0.15	2.62	1.12	0.02	0.21		0.21	0.21		0.21		5679	5679	0.43	0.02		5697
Water												58.5	49	108	0.2	0.13		151
Waste												310	0	310	31	0		1084
Refrig.																	5.34	5.34
Total	16.4	33	13	116	0.22	0.37	19.6	19.9	0.36	4.97	5.33	368	26888	27256	32.7	1.16	27.8	28445
Annual																		
Mobile	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.6	0.02	0.91	0.93		3490	3490	0.18	0.17	3.73	3548
Area	0.5	3.74	0.05	5.53	< 0.005	< 0.005		0	< 0.005		0	0	13.4	13.4	< 0.005	< 0.005		13.4
Energy	0.06	0.03	0.48	0.2	< 0.005	0.04		0.04	0.04		0.04		940	940	0.07	< 0.005		943
Water												9.69	8.11	17.8	0.03	0.02		25
Waste												51.3	0	51.3	5.12	0		179
Refrig.																	0.88	0.88
Total	2.99	6.02	2.37	21.1	0.04	0.07	3.57	3.64	0.06	0.91	0.97	61	4452	4513	5.41	0.19	4.61	4709

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.5		23792	23792	1.07	1.01	54.8	24173
Area	4.03	21.7	0.41	44.2	< 0.005	0.02		0.02	0.02		0.02	0	118	118	< 0.005	< 0.005		118
Energy	0	0	0	0	0	0		0	0		0		2351	2351	0.14	0.02		2360
Water												58.5	49	108	0.2	0.13		151
Waste												310	0	310	31	0		1084
Refrig.																	5.34	5.34
Total	19.5	36.1	10.1	148	0.23	0.17	21.1	21.3	0.16	5.36	5.51	368	26310	26678	32.4	1.15	60.2	27891
Daily, Winter (Max)																		
Mobile	14	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.5		21754	21754	1.23	1.1	1.42	22115
Area	0	17.9	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0	0	0	0	0	0		0	0		0		2351	2351	0.14	0.02		2360
Water												58.5	49	108	0.2	0.13		151
Waste												310	0	310	31	0		1084
Refrig.																	5.34	5.34
Total	14	30.8	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.5	368	24154	24522	32.5	1.25	6.76	25714
Average Daily																		
Mobile	13.3	12.3	10.1	84.4	0.21	0.14	19.6	19.7	0.13	4.97	5.11		21079	21079	1.08	1	22.5	21427
Area	2.76	20.5	0.28	30.3	< 0.005	0.01		0.01	0.01		0.01	0	80.7	80.7	< 0.005	< 0.005		81
Energy	0	0	0	0	0	0		0	0		0		2351	2351	0.14	0.02		2360
Water												58.5	49	108	0.2	0.13		151
Waste												310	0	310	31	0		1084
Refrig.																	5.34	5.34
Total	16.1	32.8	10.3	115	0.21	0.16	19.6	19.7	0.14	4.97	5.12	368	23560	23928	32.4	1.15	27.8	25108
Annual																		
Mobile	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.6	0.02	0.91	0.93		3490	3490	0.18	0.17	3.73	3548
Area	0.5	3.74	0.05	5.53	< 0.005	< 0.005		0	< 0.005		0	0	13.4	13.4	< 0.005	< 0.005		13.4

Energy	0	0	0	0	0	0	0	0	0	0	389	389	0.02	< 0.005			391
Water										9.69	8.11	17.8	0.03	0.02			25
Waste										51.3	0	51.3	5.12	0			179
Refrig.																0.88	0.88
Total	2.94	5.99	1.89	20.9	0.04	0.03	3.57	3.6	0.03	0.91	0.93	61	3901	3962	5.36	0.19	4.61	4157

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment:	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.5		23792	23792	1.07	1.01	54.8	24173
Total	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.5		23792	23792	1.07	1.01	54.8	24173
Daily, Winter (Max)																		
Apartment:	14	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.5		21754	21754	1.23	1.1	1.42	22115
Total	14	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.5		21754	21754	1.23	1.1	1.42	22115
Annual																		
Apartment:	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.6	0.02	0.91	0.93		3490	3490	0.18	0.17	3.73	3548
Total	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.6	0.02	0.91	0.93		3490	3490	0.18	0.17	3.73	3548

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment:	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.5		23792	23792	1.07	1.01	54.8	24173
Total	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.5		23792	23792	1.07	1.01	54.8	24173
Daily, Winter (Max)																		
Apartment:	14	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.5		21754	21754	1.23	1.1	1.42	22115
Total	14	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.5		21754	21754	1.23	1.1	1.42	22115
Annual																		
Apartment:	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.6	0.02	0.91	0.93		3490	3490	0.18	0.17	3.73	3548
Total	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.6	0.02	0.91	0.93		3490	3490	0.18	0.17	3.73	3548

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													2350	2350	0.14	0.02		2359
Total													2350	2350	0.14	0.02		2359
Daily, Winter (Max)																		
Apartments Mid Rise													2350	2350	0.14	0.02		2359
Total													2350	2350	0.14	0.02		2359
Annual																		
Apartments Mid Rise													389	389	0.02	< 0.005		391
Total													389	389	0.02	< 0.005		391

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise													2351	2351	0.14	0.02		2360
Total													2351	2351	0.14	0.02		2360
Daily, Winter (Max)																		
Apartments Mid Rise													2351	2351	0.14	0.02		2360
Total													2351	2351	0.14	0.02		2360
Annual																		
Apartments Mid Rise													389	389	0.02	< 0.005		391
Total													389	389	0.02	< 0.005		391

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment:	0.31	0.15	2.62	1.12	0.02	0.21		0.21	0.21		0.21		3329	3329	0.29	0.01		3338
Total	0.31	0.15	2.62	1.12	0.02	0.21		0.21	0.21		0.21		3329	3329	0.29	0.01		3338
Daily, Winter (Max)																		
Apartment:	0.31	0.15	2.62	1.12	0.02	0.21		0.21	0.21		0.21		3329	3329	0.29	0.01		3338
Total	0.31	0.15	2.62	1.12	0.02	0.21		0.21	0.21		0.21		3329	3329	0.29	0.01		3338
Annual																		
Apartment:	0.06	0.03	0.48	0.2	< 0.005	0.04		0.04	0.04		0.04		551	551	0.05	< 0.005		553
Total	0.06	0.03	0.48	0.2	< 0.005	0.04		0.04	0.04		0.04		551	551	0.05	< 0.005		553

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment:	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Daily, Winter (Max)																		
Apartment:	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Annual																		
Apartment:	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		16																
Architectural Coatings		1.92																
Landscape	4.03	3.81	0.41	44.2	< 0.005	0.02		0.02	0.02		0.02		118	118	< 0.005	< 0.005		118
Total	4.03	21.7	0.41	44.2	< 0.005	0.02		0.02	0.02		0.02	0	118	118	< 0.005	< 0.005		118
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		16																
Architectural Coatings		1.92																
Total	0	17.9	0	0	0	0		0	0		0	0	0	0	0	0		0
Annual																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		2.91																
Architectural Coatings		0.35																
Landscape	0.5	0.48	0.05	5.53	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		13.4	13.4	< 0.005	< 0.005		13.4
Total	0.5	3.74	0.05	5.53	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	13.4	13.4	< 0.005	< 0.005		13.4

4.3.2. Mitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		16																
Architectural Coatings		1.92																
Landscape	4.03	3.81	0.41	44.2	< 0.005	0.02		0.02	0.02		0.02		118	118	< 0.005	< 0.005		118
Total	4.03	21.7	0.41	44.2	< 0.005	0.02		0.02	0.02		0.02	0	118	118	< 0.005	< 0.005		118
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		16																

Architectural Coatings		1.92																
Total	0	17.9	0	0	0	0		0	0		0	0	0	0	0	0		0
Annual																		
Hearths	0	0	0	0	0	0		0	0		0	0	0	0	0	0		0
Consumer Products		2.91																
Architectural Coatings		0.35																
Landscape	0.5	0.48	0.05	5.53	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		13.4	13.4	< 0.005	< 0.005		13.4
Total	0.5	3.74	0.05	5.53	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	13.4	13.4	< 0.005	< 0.005		13.4

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												58.5	49	108	0.2	0.13		151
Total												58.5	49	108	0.2	0.13		151
Daily, Winter (Max)																		
Apartments Mid Rise												58.5	49	108	0.2	0.13		151
Total												58.5	49	108	0.2	0.13		151
Annual																		
Apartments Mid Rise												9.69	8.11	17.8	0.03	0.02		25
Total												9.69	8.11	17.8	0.03	0.02		25

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												58.5	49	108	0.2	0.13		151
Total												58.5	49	108	0.2	0.13		151
Daily, Winter (Max)																		
Apartments Mid Rise												58.5	49	108	0.2	0.13		151
Total												58.5	49	108	0.2	0.13		151
Annual																		
Apartments Mid Rise												9.69	8.11	17.8	0.03	0.02		25
Total												9.69	8.11	17.8	0.03	0.02		25

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												310	0	310	31	0		1084
Total												310	0	310	31	0		1084
Daily, Winter (Max)																		
Apartments Mid Rise												310	0	310	31	0		1084
Total												310	0	310	31	0		1084
Annual																		
Apartments Mid Rise												51.3	0	51.3	5.12	0		179
Total												51.3	0	51.3	5.12	0		179

4.5.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise												310	0	310	31	0		1084
Total												310	0	310	31	0		1084
Daily, Winter (Max)																		
Apartments Mid Rise												310	0	310	31	0		1084
Total												310	0	310	31	0		1084
Annual																		
Apartments Mid Rise												51.3	0	51.3	5.12	0		179
Total												51.3	0	51.3	5.12	0		179

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise																	5.34	5.34
Total																	5.34	5.34
Daily, Winter (Max)																		
Apartments Mid Rise																	5.34	5.34
Total																	5.34	5.34
Annual																		
Apartments Mid Rise																	0.88	0.88
Total																	0.88	0.88

4.6.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Mid Rise																	5.34	5.34
Total																	5.34	5.34
Daily, Winter (Max)																		
Apartments Mid Rise																	5.34	5.34
Total																	5.34	5.34
Annual																		
Apartments Mid Rise																	0.88	0.88
Total																	0.88	0.88

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.7.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		

Sequestered
Subtotal
Removed
Subtotal

5. Activity Data
5.9. Operational Mobile Sources
5.9.1. Unmitigated

Land Use T	Trips/Week	Trips/Satur	Trips/Sund	Trips/Year	VMT/Week	VMT/Satur	VMT/Sund	VMT/Year
Apartment	4227	3815	3178	1466643	29768	26868	22381	10328814

5.9.2. Mitigated

Land Use T	Trips/Week	Trips/Satur	Trips/Sund	Trips/Year	VMT/Week	VMT/Satur	VMT/Sund	VMT/Year
Apartment	4227	3815	3178	1466643	29768	26868	22381	10328814

5.10. Operational Area Sources
5.10.1. Hearths
5.10.1.1. Unmitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	777
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.1.2. Mitigated

Hearth Typ	Unmitigated (number)
Apartments Mid Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	777
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.2. Architectural Coatings

Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
1510488	503496	0	0	

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0
Summer Da	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0
Summer Da	day/yr	250

5.11. Operational Energy Consumption
5.11.1. Unmitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	3846472	223	0.0129	0.0017	10386912

5.11.2. Mitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	3848473	223	0.0129	0.0017	0

5.12. Operational Water and Wastewater Consumption
5.12.1. Unmitigated

Land Use	Indoor Wat	Outdoor Water (gal/year)
Apartment	27396243	3750558

5.12.2. Mitigated

Land Use	Indoor Wat	Outdoor Water (gal/year)
Apartment	27396243	3750558

5.13. Operational Waste Generation
5.13.1. Unmitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	575	

5.13.2. Mitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	575	

5.14. Operational Refrigeration and Air Conditioning Equipment
5.14.1. Unmitigated

Land Use T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment	Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment	Household	R-134a	1430	0.12	0.6	0	1

5.14.2. Mitigated

Land Use T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment	Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment	Household	R-134a	1430	0.12	0.6	0	1

5.15. Operational Off-Road Equipment
5.15.1. Unmitigated

Equipment	Fuel Type	Engine Tier	Number pe	Hours Per D	Horsepowe	Load Factor

5.15.2. Mitigated

Equipment	Fuel Type	Engine Tier	Number pe	Hours Per D	Horsepowe	Load Factor

5.16. Stationary Sources
5.16.1. Emergency Generators and Fire Pumps

Equipment	Fuel Type	Number pe	Hours per D	Hours per Y	Horsepowe	Load Factor

5.16.2. Process Boilers

Equipment	Fuel Type	Number	Boiler Ratir	Daily Heat	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment	Fuel Type

5.18. Vegetation
5.18.1. Land Use Change
5.18.1.1. Unmitigated
Vegetation Vegetation Initial Acres Final Acres

5.18.1.2. Mitigated
Vegetation Vegetation Initial Acres Final Acres

5.18.1. Biomass Cover Type
5.18.1.1. Unmitigated
Biomass Cc Initial Acres Final Acres

5.18.1.2. Mitigated
Biomass Cc Initial Acres Final Acres

5.18.2. Sequestration
5.18.2.1. Unmitigated
Tree Type Number Electricity S Natural Gas Saved (btu/year)

5.18.2.2. Mitigated
Tree Type Number Electricity S Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report
6.1. Climate Risk Summary
Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	19.3	annual days of extreme heat
Extreme Pr	5.7	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Ha	Exposure Sc	Sensitivity S	Adaptive Ca	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure Sc	Sensitivity S	Adaptive Ca	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures
7. Health and Equity Details
7.1. CalEnviroScreen 4.0 Scores
The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	48.6
AQ-PM	23.7
AQ-DPM	22.3
Drinking W	78.8
Lead Risk H	41.2
Pesticides	73.8
Toxic Relea	30.3
Traffic	28.5
Effect Indicators	
CleanUp Sit	86.5
Groundwat	88.9
Haz Waste	99.8
Impaired W	51.2
Solid Waste	99.9
Sensitive Population	
Asthma	50.2
Cardio-vas	53.9
Low Birth W	36.4
Socioeconomic Factor Indicators	
Education	47.5
Housing	61.9
Linguistic	43.9
Poverty	58.5
Unemployr	62.4

7.2. Healthy Places Index Scores
The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	36.84075
Employed	20.45425
Median HI	23.26447

Education	
Bachelor's	39.343
High schoo	100
Preschool e	18.64494
Transportation	
Auto Acces	37.45669
Active com	70.7943
Social	
2-parent ho	14.75683
Voting	58.51405
Neighborhood	
Alcohol ava	64.6221
Park access	12.70371
Retail dens	22.81535
Supermark	13.65328
Tree canop	2.065957
Housing	
Homeowne	60.60567
Housing ha	41.69126
Low-inc ho	38.58591
Low-inc ren	7.737713
Uncrowdec	46.38778
Health Outcomes	
Insured adu	43.96253
Arthritis	0
Asthma ER	50
High Blood	0
Cancer (exc	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expecta	16
Cognitively	21
Physically	7.2
Heart Attac	54
Mental Hea	0
Chronic Kid	0
Obesity	0
Pedestrian	98
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inundat	0
Children	60
Elderly	21
English Spe	31
Foreign-bo	59
Outdoor W	29
Climate Change Adaptive Capacity	
Impervious	91
Traffic Den	38
Traffic Acce	23
Other Indices	
Hardship	62
Other Decision Support	
2016 Votin	64

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	70
Healthy Pla	29
Project Loc	Yes
Project Loc	Yes
Project Loc	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of	Total Point:	Max Possib	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Constructic	No demo
Land Use	landscape area = 20% of total lot acreage

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone Main Operations (before)
Operationa	2030
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeed	2.7
Precipitatic	37.8
Location	38.550592607076084, -121.39691856340349
County	Sacramento
City	Sacramento
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	765
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	3338	Dwelling U	236	2112942	2112942		9346	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	124	164	97.7	969	1.95	3.29	162	165	3.2	41.1	44.3	1582	237925	239507	146	8.17	435	246018
Mit.	121	163	72	958	1.78	1.21	162	163	1.12	41.1	42.2	1582	205246	206828	143	8.11	435	213249
% Reduced	2.44	0.92	26.3	1.13	8.43	63.2		1.26	65		4.7		13.7	13.6	1.99	0.75		13.3
Daily, Winter (Max)																		
Unmit.	97	138	108	672	1.79	3.21	162	165	3.14	41.1	44.2	1582	221776	223358	147	8.87	26	229694
Mit.	94	137	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	1582	189097	190679	144	8.81	26	196924
% Reduced	3.11	1.09	23.8	1.63	9.2	64.9		1.26	66.3		4.71		14.7	14.6	1.97	0.69		14.3
Average Daily (Max)																		
Unmit.	99.1	141	95.9	722	1.65	3.15	141	144	3.07	35.9	39	1582	207676	209258	145	7.71	178	215365
Mit.	96.1	139	70.1	711	1.49	1.07	141	142	0.99	35.9	36.9	1582	174997	176579	142	7.65	178	182596
% Reduced	3.04	1.07	26.9	1.52	9.96	66.1		1.44	67.8		5.34		15.7	15.6	1.99	0.8		15.2
Annual (Max)																		
Unmit.	18.1	25.7	17.5	132	0.3	0.57	25.8	26.4	0.56	6.55	7.11	262	34383	34645	24.1	1.28	29.4	35656
Mit.	17.5	25.4	12.8	130	0.27	0.19	25.8	26	0.18	6.55	6.73	262	28973	29235	23.6	1.27	29.4	30231
% Reduced	3.04	1.07	26.9	1.52	9.96	66.1		1.44	67.8		5.34		15.7	15.6	1.99	0.8		15.2

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1		181438	181438	7.57	7.38	420	184246
Area	17.3	67	1.77	190	0.01	0.09		0.09	0.07		0.07	0	506	506	0.02	< 0.005		508
Energy	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		55751	55751	4.23	0.24		55927
Water												252	230	481	0.88	0.55		668
Waste												1330	0	1330	133	0		4654
Refrig.																	15.1	15.1
Total	124	164	97.7	969	1.95	3.29	162	165	3.2	41.1	44.3	1582	237925	239507	146	8.17	435	246018
Daily, Winter (Max)																		
Mobile	94	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1		165795	165795	8.61	8.08	10.9	168430
Area	0	50.7	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		55751	55751	4.23	0.24		55927
Water												252	230	481	0.88	0.55		668
Waste												1330	0	1330	133	0		4654
Refrig.																	15.1	15.1
Total	97	138	108	672	1.79	3.21	162	165	3.14	41.1	44.2	1582	221776	223358	147	8.87	26	229694
Average Daily																		
Mobile	84.2	77.4	68.9	581	1.48	1.01	141	142	0.95	35.9	36.8		151348	151348	7.19	6.92	162	153753
Area	11.9	61.9	1.21	130	0.01	0.06		0.06	0.04		0.04	0	347	347	0.01	< 0.005		348
Energy	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		55751	55751	4.23	0.24		55927
Water												252	230	481	0.88	0.55		668
Waste												1330	0	1330	133	0		4654
Refrig.																	15.1	15.1
Total	99.1	141	95.9	722	1.65	3.15	141	144	3.07	35.9	39	1582	207676	209258	145	7.71	178	215365
Annual																		
Mobile	15.4	14.1	12.6	106	0.27	0.18	25.8	26	0.17	6.55	6.72		25057	25057	1.19	1.15	26.9	25456
Area	2.16	11.3	0.22	23.8	< 0.005	0.01		0.01	0.01		0.01	0	57.4	57.4	< 0.005	< 0.005		57.6
Energy	0.55	0.27	4.7	2	0.03	0.38		0.38	0.38		0.38		9230	9230	0.7	0.04		9259
Water												41.6	38.1	79.7	0.15	0.09		111
Waste												220	0	220	22	0		771
Refrig.																	2.51	2.51
Total	18.1	25.7	17.5	132	0.3	0.57	25.8	26.4	0.56	6.55	7.11	262	34383	34645	24.1	1.28	29.4	35656

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1		181438	181438	7.57	7.38	420	184246
Area	17.3	67	1.77	190	0.01	0.09		0.09	0.07		0.07	0	506	506	0.02	< 0.005		508
Energy	0	0	0	0	0	0		0	0		0		23072	23072	1.33	0.18		23158
Water												252	230	481	0.88	0.55		668
Waste												1330	0	1330	133	0		4654
Refrig.																	15.1	15.1
Total	121	163	72	958	1.78	1.21	162	163	1.12	41.1	42.2	1582	205246	206828	143	8.11	435	213249
Daily, Winter (Max)																		
Mobile	94	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1		165795	165795	8.61	8.08	10.9	168430

Area	0	50.7	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0	0	0	0	0	0		0	0		0		23072	23072	1.33	0.18		23158
Water												252	230	481	0.88	0.55		668
Waste												1330	0	1330	133	0		4654
Refrig.																	15.1	15.1
Total	94	137	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	1582	189097	190679	144	8.81	26	196924
Average Daily																		
Mobile	84.2	77.4	68.9	581	1.48	1.01	141	142	0.95	35.9	36.8		151348	151348	7.19	6.92	162	153753
Area	11.9	61.9	1.21	130	0.01	0.06		0.06	0.04		0.04	0	347	347	0.01	< 0.005		348
Energy	0	0	0	0	0	0		0	0		0		23072	23072	1.33	0.18		23158
Water												252	230	481	0.88	0.55		668
Waste												1330	0	1330	133	0		4654
Refrig.																	15.1	15.1
Total	96.1	139	70.1	711	1.49	1.07	141	142	0.99	35.9	36.9	1582	174997	176579	142	7.65	178	182596
Annual																		
Mobile	15.4	14.1	12.6	106	0.27	0.18	25.8	26	0.17	6.55	6.72		25057	25057	1.19	1.15	26.9	25456
Area	2.16	11.3	0.22	23.8	< 0.005	0.01		0.01	0.01		0.01	0	57.4	57.4	< 0.005	< 0.005		57.6
Energy	0	0	0	0	0	0		0	0		0		3820	3820	0.22	0.03		3834
Water												41.6	38.1	79.7	0.15	0.09		111
Waste												220	0	220	22	0		771
Refrig.																	2.51	2.51
Total	17.5	25.4	12.8	130	0.27	0.19	25.8	26	0.18	6.55	6.73	262	28973	29235	23.6	1.27	29.4	30231

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1		181438	181438	7.57	7.38	420	184246
Total	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1		181438	181438	7.57	7.38	420	184246
Daily, Winter (Max)																		
Apartment	94	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1		165795	165795	8.61	8.08	10.9	168430
Total	94	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1		165795	165795	8.61	8.08	10.9	168430
Annual																		
Apartment	15.4	14.1	12.6	106	0.27	0.18	25.8	26	0.17	6.55	6.72		25057	25057	1.19	1.15	26.9	25456
Total	15.4	14.1	12.6	106	0.27	0.18	25.8	26	0.17	6.55	6.72		25057	25057	1.19	1.15	26.9	25456

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1		181438	181438	7.57	7.38	420	184246
Total	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1		181438	181438	7.57	7.38	420	184246
Daily, Winter (Max)																		
Apartment	94	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1		165795	165795	8.61	8.08	10.9	168430
Total	94	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1		165795	165795	8.61	8.08	10.9	168430
Annual																		
Apartment	15.4	14.1	12.6	106	0.27	0.18	25.8	26	0.17	6.55	6.72		25057	25057	1.19	1.15	26.9	25456
Total	15.4	14.1	12.6	106	0.27	0.18	25.8	26	0.17	6.55	6.72		25057	25057	1.19	1.15	26.9	25456

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise													23071	23071	1.33	0.18		23157
Total													23071	23071	1.33	0.18		23157
Daily, Winter (Max)																		
Apartments Low Rise													23071	23071	1.33	0.18		23157
Total													23071	23071	1.33	0.18		23157
Annual																		
Apartments Low Rise													3820	3820	0.22	0.03		3834
Total													3820	3820	0.22	0.03		3834

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise													23072	23072	1.33	0.18		23158
Total													23072	23072	1.33	0.18		23158
Daily, Winter (Max)																		
Apartments Low Rise													23072	23072	1.33	0.18		23158
Total													23072	23072	1.33	0.18		23158
Annual																		
Apartments Low Rise													3820	3820	0.22	0.03		3834
Total													3820	3820	0.22	0.03		3834

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		32680	32680	2.89	0.06		32771
Total	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		32680	32680	2.89	0.06		32771
Daily, Winter (Max)																		
Apartment	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		32680	32680	2.89	0.06		32771
Total	3.01	1.51	25.7	11	0.16	2.08		2.08	2.08		2.08		32680	32680	2.89	0.06		32771
Annual																		
Apartment	0.55	0.27	4.7	2	0.03	0.38		0.38	0.38		0.38		5411	5411	0.48	0.01		5426
Total	0.55	0.27	4.7	2	0.03	0.38		0.38	0.38		0.38		5411	5411	0.48	0.01		5426

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Daily, Winter (Max)																		
Apartment	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Annual																		
Apartment	0	0	0	0	0	0		0	0		0		0	0	0	0		0

Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		45.2																
Architectural Coatings		5.43																
Landscape	17.3	16.4	1.77	190	0.01	0.09		0.09	0.07		0.07		506	506	0.02	< 0.005		508
Total	17.3	67	1.77	190	0.01	0.09		0.09	0.07		0.07	0	506	506	0.02	< 0.005		508
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		45.2																
Architectural Coatings		5.43																
Total	0	50.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		8.25																
Architectural Coatings		0.99																
Landscape	2.16	2.05	0.22	23.8	< 0.005		0.01	0.01	0.01		0.01		57.4	57.4	< 0.005	< 0.005		57.6
Total	2.16	11.3	0.22	23.8	< 0.005		0.01	0.01	0.01		0.01	0	57.4	57.4	< 0.005	< 0.005		57.6

4.3.2. Mitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		45.2																
Architectural Coatings		5.43																
Landscape	17.3	16.4	1.77	190	0.01	0.09		0.09	0.07		0.07		506	506	0.02	< 0.005		508
Total	17.3	67	1.77	190	0.01	0.09		0.09	0.07		0.07	0	506	506	0.02	< 0.005		508
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		45.2																
Architectural Coatings		5.43																
Total	0	50.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		8.25																
Architectural Coatings		0.99																
Landscape	2.16	2.05	0.22	23.8	< 0.005		0.01	0.01	0.01		0.01		57.4	57.4	< 0.005	< 0.005		57.6
Total	2.16	11.3	0.22	23.8	< 0.005		0.01	0.01	0.01		0.01	0	57.4	57.4	< 0.005	< 0.005		57.6

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												252	230	481	0.88	0.55		668
Total												252	230	481	0.88	0.55		668
Daily, Winter (Max)																		
Apartments Low Rise												252	230	481	0.88	0.55		668
Total												252	230	481	0.88	0.55		668
Annual																		
Apartments Low Rise												41.6	38.1	79.7	0.15	0.09		111
Total												41.6	38.1	79.7	0.15	0.09		111

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												252	230	481	0.88	0.55		668
Total												252	230	481	0.88	0.55		668
Daily, Winter (Max)																		
Apartments Low Rise												252	230	481	0.88	0.55		668
Total												252	230	481	0.88	0.55		668
Annual																		
Apartments Low Rise												41.6	38.1	79.7	0.15	0.09		111
Total												41.6	38.1	79.7	0.15	0.09		111

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												1330	0	1330	133	0		4654
Total												1330	0	1330	133	0		4654
Daily, Winter (Max)																		
Apartments Low Rise												1330	0	1330	133	0		4654
Total												1330	0	1330	133	0		4654
Annual																		
Apartments Low Rise												220	0	220	22	0		771
Total												220	0	220	22	0		771

4.5.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												1330	0	1330	133	0		4654
Total												1330	0	1330	133	0		4654
Daily, Winter (Max)																		
Apartments Low Rise												1330	0	1330	133	0		4654
Total												1330	0	1330	133	0		4654
Annual																		
Apartments Low Rise												220	0	220	22	0		771
Total												220	0	220	22	0		771

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e

Daily, Summer (Max)																		
Apartments Low Rise																	15.1	15.1
Total																	15.1	15.1
Daily, Winter (Max)																		
Apartments Low Rise																	15.1	15.1
Total																	15.1	15.1
Annual																		
Apartments Low Rise																	2.51	2.51
Total																	2.51	2.51

4.6.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e	
Daily, Summer (Max)																			
Apartments Low Rise																		15.1	15.1
Total																		15.1	15.1
Daily, Winter (Max)																			
Apartments Low Rise																		15.1	15.1
Total																		15.1	15.1
Annual																			
Apartments Low Rise																		2.51	2.51
Total																		2.51	2.51

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.7.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		

Total

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use	T	Trips/Week	Trips/Satur	Trips/Sund	Trips/Year	VMT/Week	VMT/Satur	VMT/Sund	VMT/Year
Apartment		24434	27171	20963	8880177	205150	228131	176003	74558290

5.9.2. Mitigated

Land Use	T	Trips/Week	Trips/Satur	Trips/Sund	Trips/Year	VMT/Week	VMT/Satur	VMT/Sund	VMT/Year
Apartment		24434	27171	20963	8880177	205150	228131	176003	74558290

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Typ	Unmitigated (number)
Apartments Low Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fir	0
No Fireplac	3338
Conventior	0
Catalytic W	0

Non-Cataly	0
Pellet Woo	0

5.10.1.2. Mitigated

Hearth Typ	Unmitigated (number)
Apartments	Low Rise
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	3338
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.2. Architectural Coatings

Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
4278707	1426236	0	0	

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	37761761	223	0.0129	0.0017	1.02E+08

5.11.2. Mitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	37763883	223	0.0129	0.0017	0

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)
Apartment	1.18E+08	36067862

5.12.2. Mitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)
Apartment	1.18E+08	36067862

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	2468	

5.13.2. Mitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	2468	

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment		Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment		Household	R-134a	1430	0.12	0.6	0	1

5.14.2. Mitigated

Land Use	T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment		Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment		Household	R-134a	1430	0.12	0.6	0	1

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor

5.15.2. Mitigated

Equipment Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Fuel Type	Number pe	Hours per I	Hours per \	Horsepowe	Load Factor

5.16.2. Process Boilers

Equipment Fuel Type	Number	Boiler Ratir	Daily Heat	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre:	Final Acres

5.18.1.2. Mitigated

Vegetation	Vegetation	Initial Acre:	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre:	Final Acres

5.18.1.2. Mitigated

Biomass Cc	Initial Acre:	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	18.8	annual days of extreme heat
Extreme Pr	6.2	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity !	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity !	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	48.5
AQ-PM	37.5
AQ-DPM	65.4
Drinking W	56.6
Lead Risk H	38.1
Pesticides	29.5
Toxic Relea	41.1
Traffic	78.6
Effect Indicators	
CleanUp Sit	0
Groundwat	28.3
Haz Waste	40.9
Impaired W	51.2
Solid Waste	73
Sensitive Population	
Asthma	87.9
Cardio-vas	72
Low Birth W	9.08
Socioeconomic Factor Indicators	
Education	20.9
Housing	22.7
Linguistic	21.4

Poverty	43.5
Unemployr	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pove	65.76415
Employed	89.43924
Median HI	66.04645
Education	
Bachelor's	71.14077
High schoo	100
Preschool e	54.90825
Transportation	
Auto Acces	28.53843
Active com	72.93725
Social	
2-parent h	56.35827
Voting	87.62992
Neighborhood	
Alcohol ava	60.41319
Park access	81.35506
Retail dens	56.7304
Supermark	55.3702
Tree canop	89.60606
Housing	
Homeowne	69.85756
Housing ha	79.08379
Low-inc ho	69.62659
Low-inc rer	61.37559
Uncrowdec	59.34813
Health Outcomes	
Insured adı	68.56153
Arthritis	8.6
Asthma ER	26
High Blood	9.1
Cancer (exc	7.2
Asthma	46
Coronary H	12
Chronic Ob	31
Diagnosed	50
Life Expect	28
Cognitively	73
Physically I	62
Heart Attac	24
Mental Hea	70
Chronic Kid	27
Obesity	53
Pedestrian	75
Physical He	59
Stroke	26
Health Risk Behaviors	
Binge Drink	54
Current Sm	64
No Leisure	74
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	42
Elderly	9
English Spe	62
Foreign-bo	13
Outdoor W	28
Climate Change Adaptive Capacity	
Impervious	55
Traffic Den	84
Traffic Acce	61
Other Indices	
Hardship	33
Other Decision Support	
2016 Votin	77

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	49
Healthy Pla	77
Project Loc	No
Project Loc	No
Project Loc	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of Total Point Max Possib	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Operations ...	
Land Use	3338 units on 236 acres

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nar	Sac Rezone Fair Oaks operations (before)
Operationa	2030
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeed	3.5
Precipitatic	39.2
Location	38.637469230516956, -121.32836613666706
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	619
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	25	Dwelling U	1.25	26500	10890		70	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	1	1.55	0.8	9.54	0.02	0.02	1.81	1.83	0.02	0.46	0.48	11.8	2195	2207	1.09	0.08	4.89	2264
Mit.	0.99	1.54	0.72	9.51	0.02	0.01	1.81	1.82	0.01	0.46	0.47	11.8	2095	2107	1.08	0.08	4.89	2163
% Reduced	0.94	0.3	10	0.36		33.6		0.36	35.2		1.36		4.59	4.56	0.82			4.46
Daily, Winter (Max)																		
Unmit.	0.8	1.35	0.92	6.68	0.02	0.02	1.81	1.83	0.02	0.46	0.48	11.8	2016	2028	1.1	0.09	0.31	2082
Mit.	0.79	1.35	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	11.8	1915	1927	1.09	0.09	0.31	1981
% Reduced	1.17	0.35	8.77	0.51		34.7		0.36	36.2		1.36		5	4.97	0.82			4.85
Average Daily (Max)																		
Unmit.	0.81	1.36	0.79	6.96	0.02	0.02	1.58	1.6	0.02	0.4	0.42	11.8	1859	1871	1.08	0.08	2.01	1923
Mit.	0.8	1.36	0.71	6.92	0.02	0.01	1.58	1.59	0.01	0.4	0.41	11.8	1759	1770	1.08	0.08	2.01	1822
% Reduced	1.16	0.34	10.2	0.49		36.3		0.41	38		1.55		5.42	5.38	0.83			5.25
Annual (Max)																		
Unmit.	0.15	0.25	0.14	1.27	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	1.96	308	310	0.18	0.01	0.33	318
Mit.	0.15	0.25	0.13	1.26	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	1.96	291	293	0.18	0.01	0.33	302
% Reduced	1.16	0.34	10.2	0.49	3.03	36.3		0.41	38		1.55		5.42	5.38	0.83	0.24		5.25

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47		2012	2012	0.07	0.08	4.7	2042
Area	0.13	0.76	0.01	1.42	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	3.79	3.79	< 0.005	< 0.005		3.81
Energy	0.01	< 0.005	0.08	0.03	< 0.005	0.01		0.01	0.01		0.01		178	178	0.01	< 0.005		178
Water												1.88	1.64	3.52	0.01	< 0.005		4.92
Waste												9.96	0	9.96	1	0		34.9
Refrig.																	0.19	0.19
Total	1	1.55	0.8	9.54	0.02	0.02	1.81	1.83	0.02	0.46	0.48	11.8	2195	2207	1.09	0.08	4.89	2264
Daily, Winter (Max)																		
Mobile	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47		1837	1837	0.08	0.08	0.12	1864
Area	0	0.64	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0.01	< 0.005	0.08	0.03	< 0.005	0.01		0.01	0.01		0.01		178	178	0.01	< 0.005		178
Water												1.88	1.64	3.52	0.01	< 0.005		4.92
Waste												9.96	0	9.96	1	0		34.9
Refrig.																	0.19	0.19
Total	0.8	1.35	0.92	6.68	0.02	0.02	1.81	1.83	0.02	0.46	0.48	11.8	2016	2028	1.1	0.09	0.31	2082
Average Daily																		
Mobile	0.71	0.64	0.7	5.95	0.02	0.01	1.58	1.59	0.01	0.4	0.41		1677	1677	0.07	0.07	1.82	1702
Area	0.09	0.72	0.01	0.97	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	2.6	2.6	< 0.005	< 0.005		2.61
Energy	0.01	< 0.005	0.08	0.03	< 0.005	0.01		0.01	0.01		0.01		178	178	0.01	< 0.005		178
Water												1.88	1.64	3.52	0.01	< 0.005		4.92
Waste												9.96	0	9.96	1	0		34.9
Refrig.																	0.19	0.19
Total	0.81	1.36	0.79	6.96	0.02	0.02	1.58	1.6	0.02	0.4	0.42	11.8	1859	1871	1.08	0.08	2.01	1923
Annual																		
Mobile	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08		278	278	0.01	0.01	0.3	282
Area	0.02	0.13	< 0.005	0.18	< 0.005	< 0.005		0	< 0.005		0	0	0.43	0.43	< 0.005	< 0.005		0.43
Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		0	< 0.005		0		29.4	29.4	< 0.005	< 0.005		29.5
Water												0.31	0.27	0.58	< 0.005	< 0.005		0.81
Waste												1.65	0	1.65	0.16	0		5.77
Refrig.																	0.03	0.03
Total	0.15	0.25	0.14	1.27	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	1.96	308	310	0.18	0.01	0.33	318

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47		2012	2012	0.07	0.08	4.7	2042
Area	0.13	0.76	0.01	1.42	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	3.79	3.79	< 0.005	< 0.005		3.81
Energy	0	0	0	0	0	0		0	0		0		76.9	76.9	< 0.005	< 0.005		77.2
Water												1.88	1.64	3.52	0.01	< 0.005		4.92
Waste												9.96	0	9.96	1	0		34.9
Refrig.																	0.19	0.19
Total	0.99	1.54	0.72	9.51	0.02	0.01	1.81	1.82	0.01	0.46	0.47	11.8	2095	2107	1.08	0.08	4.89	2163
Daily, Winter (Max)																		
Mobile	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47		1837	1837	0.08	0.08	0.12	1864

Area	0	0.64	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Energy	0	0	0	0	0	0	0	0	0	0	0	76.9	76.9	< 0.005	< 0.005			77.2
Water											1.88	1.64	3.52	0.01	< 0.005			4.92
Waste											9.96	0	9.96	1	0			34.9
Refrig.																	0.19	0.19
Total	0.79	1.35	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	11.8	1915	1927	1.09	0.09	0.31	1981
Average Daily																		
Mobile	0.71	0.64	0.7	5.95	0.02	0.01	1.58	1.59	0.01	0.4	0.41		1677	1677	0.07	0.07	1.82	1702
Area	0.09	0.72	0.01	0.97	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	2.6	2.6	< 0.005	< 0.005		2.61
Energy	0	0	0	0	0	0	0	0	0	0		76.9	76.9	< 0.005	< 0.005			77.2
Water											1.88	1.64	3.52	0.01	< 0.005			4.92
Waste											9.96	0	9.96	1	0			34.9
Refrig.																	0.19	0.19
Total	0.8	1.36	0.71	6.92	0.02	0.01	1.58	1.59	0.01	0.4	0.41	11.8	1759	1770	1.08	0.08	2.01	1822
Annual																		
Mobile	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08		278	278	0.01	0.01	0.3	282
Area	0.02	0.13	< 0.005	0.18	< 0.005	< 0.005		0	< 0.005		0	0	0.43	0.43	< 0.005	< 0.005		0.43
Energy	0	0	0	0	0	0	0	0	0	0		12.7	12.7	< 0.005	< 0.005			12.8
Water											0.31	0.27	0.58	< 0.005	< 0.005			0.81
Waste											1.65	0	1.65	0.16	0			5.77
Refrig.																	0.03	0.03
Total	0.15	0.25	0.13	1.26	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	1.96	291	293	0.18	0.01	0.33	302

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47		2012	2012	0.07	0.08	4.7	2042
Total	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47		2012	2012	0.07	0.08	4.7	2042
Daily, Winter (Max)																		
Apartment	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47		1837	1837	0.08	0.08	0.12	1864
Total	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47		1837	1837	0.08	0.08	0.12	1864
Annual																		
Apartment	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08		278	278	0.01	0.01	0.3	282
Total	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08		278	278	0.01	0.01	0.3	282

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47		2012	2012	0.07	0.08	4.7	2042
Total	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47		2012	2012	0.07	0.08	4.7	2042
Daily, Winter (Max)																		
Apartment	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47		1837	1837	0.08	0.08	0.12	1864
Total	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47		1837	1837	0.08	0.08	0.12	1864
Annual																		
Apartment	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08		278	278	0.01	0.01	0.3	282
Total	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08		278	278	0.01	0.01	0.3	282

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise													75.6	75.6	< 0.005	< 0.005		75.9
Total													75.6	75.6	< 0.005	< 0.005		75.9
Daily, Winter (Max)																		
Apartments Low Rise													75.6	75.6	< 0.005	< 0.005		75.9
Total													75.6	75.6	< 0.005	< 0.005		75.9
Annual																		
Apartments Low Rise													12.5	12.5	< 0.005	< 0.005		12.6
Total													12.5	12.5	< 0.005	< 0.005		12.6

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise													76.9	76.9	< 0.005	< 0.005		77.2
Total													76.9	76.9	< 0.005	< 0.005		77.2
Daily, Winter (Max)																		
Apartments Low Rise													76.9	76.9	< 0.005	< 0.005		77.2
Total													76.9	76.9	< 0.005	< 0.005		77.2
Annual																		
Apartments Low Rise													12.7	12.7	< 0.005	< 0.005		12.8
Total													12.7	12.7	< 0.005	< 0.005		12.8

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.01	< 0.005	0.08	0.03	< 0.005	0.01		0.01	0.01		0.01		102	102	0.01	< 0.005		102
Total	0.01	< 0.005	0.08	0.03	< 0.005	0.01		0.01	0.01		0.01		102	102	0.01	< 0.005		102
Daily, Winter (Max)																		
Apartment	0.01	< 0.005	0.08	0.03	< 0.005	0.01		0.01	0.01		0.01		102	102	0.01	< 0.005		102
Total	0.01	< 0.005	0.08	0.03	< 0.005	0.01		0.01	0.01		0.01		102	102	0.01	< 0.005		102
Annual																		
Apartment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.9	16.9	< 0.005	< 0.005		16.9
Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		16.9	16.9	< 0.005	< 0.005		16.9

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Daily, Winter (Max)																		
Apartment	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Total	0	0	0	0	0	0		0	0		0		0	0	0	0		0
Annual																		
Apartment	0	0	0	0	0	0		0	0		0		0	0	0	0		0

Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.57																
Architectural Coatings		0.07																
Landscape	0.13	0.12	0.01	1.42	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		3.79	3.79	< 0.005	< 0.005		3.81
Total	0.13	0.76	0.01	1.42	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	3.79	3.79	< 0.005	< 0.005		3.81
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.57																
Architectural Coatings		0.07																
Total	0	0.64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.1																
Architectural Coatings		0.01																
Landscape	0.02	0.02	< 0.005	0.18	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.43	0.43	< 0.005	< 0.005		0.43
Total	0.02	0.13	< 0.005	0.18	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	0.43	0.43	< 0.005	< 0.005		0.43

4.3.2. Mitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.57																
Architectural Coatings		0.07																
Landscape	0.13	0.12	0.01	1.42	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		3.79	3.79	< 0.005	< 0.005		3.81
Total	0.13	0.76	0.01	1.42	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	3.79	3.79	< 0.005	< 0.005		3.81
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.57																
Architectural Coatings		0.07																
Total	0	0.64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		0.1																
Architectural Coatings		0.01																
Landscape	0.02	0.02	< 0.005	0.18	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		0.43	0.43	< 0.005	< 0.005		0.43
Total	0.02	0.13	< 0.005	0.18	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	0.43	0.43	< 0.005	< 0.005		0.43

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												1.88	1.64	3.52	0.01	< 0.005		4.92
Total												1.88	1.64	3.52	0.01	< 0.005		4.92
Daily, Winter (Max)																		
Apartments Low Rise												1.88	1.64	3.52	0.01	< 0.005		4.92
Total												1.88	1.64	3.52	0.01	< 0.005		4.92
Annual																		
Apartments Low Rise												0.31	0.27	0.58	< 0.005	< 0.005		0.81
Total												0.31	0.27	0.58	< 0.005	< 0.005		0.81

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												1.88	1.64	3.52	0.01	< 0.005		4.92
Total												1.88	1.64	3.52	0.01	< 0.005		4.92
Daily, Winter (Max)																		
Apartments Low Rise												1.88	1.64	3.52	0.01	< 0.005		4.92
Total												1.88	1.64	3.52	0.01	< 0.005		4.92
Annual																		
Apartments Low Rise												0.31	0.27	0.58	< 0.005	< 0.005		0.81
Total												0.31	0.27	0.58	< 0.005	< 0.005		0.81

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												9.96	0	9.96	1	0		34.9
Total												9.96	0	9.96	1	0		34.9
Daily, Winter (Max)																		
Apartments Low Rise												9.96	0	9.96	1	0		34.9
Total												9.96	0	9.96	1	0		34.9
Annual																		
Apartments Low Rise												1.65	0	1.65	0.16	0		5.77
Total												1.65	0	1.65	0.16	0		5.77

4.5.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												9.96	0	9.96	1	0		34.9
Total												9.96	0	9.96	1	0		34.9
Daily, Winter (Max)																		
Apartments Low Rise												9.96	0	9.96	1	0		34.9
Total												9.96	0	9.96	1	0		34.9
Annual																		
Apartments Low Rise												1.65	0	1.65	0.16	0		5.77
Total												1.65	0	1.65	0.16	0		5.77

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e

Daily, Summer (Max)																		
Apartments Low Rise																	0.19	0.19
Total																	0.19	0.19
Daily, Winter (Max)																		
Apartments Low Rise																	0.19	0.19
Total																	0.19	0.19
Annual																		
Apartments Low Rise																	0.03	0.03
Total																	0.03	0.03

4.6.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e	
Daily, Summer (Max)																			
Apartments Low Rise																		0.19	0.19
Total																		0.19	0.19
Daily, Winter (Max)																			
Apartments Low Rise																		0.19	0.19
Total																		0.19	0.19
Annual																			
Apartments Low Rise																		0.03	0.03
Total																		0.03	0.03

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.7.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.8.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		

Total

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use	T	Trips/Week	Trips/Satur	Trips/Sund	Trips/Year	VMT/Week	VMT/Satur	VMT/Sund	VMT/Year
Apartment		183	204	157	66508	2295	2552	1969	834025

5.9.2. Mitigated

Land Use	T	Trips/Week	Trips/Satur	Trips/Sund	Trips/Year	VMT/Week	VMT/Satur	VMT/Sund	VMT/Year
Apartment		183	204	157	66508	2295	2552	1969	834025

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Typ	Unmitigated (number)
Apartments Low Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fir	0
No Fireplac	25
Conventior	0
Catalytic W	0

Non-Cataly	0
Pellet Woo	0

5.10.1.2. Mitigated

Hearth Typ	Unmitigated (number)
Apartments	Low Rise
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	25
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.2. Architectural Coatings

Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
53663	17888	0	0	

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	123709	223	0.0129	0.0017	318402

5.11.2. Mitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	125832	223	0.0129	0.0017	0

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)
Apartment	881475	185892

5.12.2. Mitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)
Apartment	881475	185892

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	18.5	

5.13.2. Mitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	18.5	

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment		Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment		Household	R-134a	1430	0.12	0.6	0	1

5.14.2. Mitigated

Land Use	T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment		Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment		Household	R-134a	1430	0.12	0.6	0	1

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Fuel Type	Engine Tier	Number pe	Hours Per D	Horsepowe	Load Factor

5.15.2. Mitigated

Equipment Fuel Type	Engine Tier	Number pe	Hours Per D	Horsepowe	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Fuel Type	Number pe	Hours per D	Hours per Y	Horsepowe	Load Factor

5.16.2. Process Boilers

Equipment Fuel Type	Number	Boiler Ratir	Daily Heat	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1.2. Mitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.1.2. Mitigated

Biomass Cc	Initial Acre:	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	24.1	annual days of extreme heat
Extreme Pr	6.45	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0.69	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity S	Adaptive C	Vulnerability Score
Temperatu	2	0	0	N/A
Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity S	Adaptive C	Vulnerability Score
Temperatu	2	1	1	3
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack I	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	59.7
AQ-PM	39.5
AQ-DPM	50.3
Drinking W	47.8
Lead Risk H	54.5
Pesticides	0
Toxic Relea	20.9
Traffic	21.4
Effect Indicators	
CleanUp Sit	18.7
Groundwat	78.3
Haz Waste	59.8
Impaired W	77.3
Solid Waste	0
Sensitive Population	
Asthma	88.7
Cardio-vas	62.6
Low Birth V	7.38
Socioeconomic Factor Indicators	
Education	25.1
Housing	70.2
Linguistic	37

Poverty	67.4
Unemployr	14.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pove	37.16156
Employed	15.56525
Median HI	23.82908
Education	
Bachelor's	54.33081
High schoo	26.62646
Preschool e	15.20595
Transportation	
Auto Acces	28.94906
Active com	46.06698
Social	
2-parent h	11.18953
Voting	74.93905
Neighborhood	
Alcohol ava	37.77749
Park access	30.25792
Retail dens	94.59772
Supermark	42.71782
Tree canop	91.62069
Housing	
Homeowne	51.98255
Housing ha	41.55011
Low-inc ho	37.45669
Low-inc rer	6.736815
Uncrowdec	66.91903
Health Outcomes	
Insured adı	47.9148
Arthritis	0
Asthma ER	6
High Blood	0
Cancer (exc	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	11
Cognitively	14
Physically I	27
Heart Attac	49
Mental Hea	0
Chronic Kid	0
Obesity	0
Pedestrian	53
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	67
Elderly	28
English Spe	75
Foreign-bo	11
Outdoor W	47
Climate Change Adaptive Capacity	
Impervious	61
Traffic Den	60
Traffic Acce	23
Other Indices	
Hardship	64
Other Decision Support	
2016 Votin	65

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	47
Healthy Pla	30
Project Loc	No
Project Loc	Yes
Project Loc	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure Ti	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of Total Point	Max Possib	Weighted Score

7.6. Health & Equity Custom Measures

Measure Ti	Sponsor

8. User Changes to Default Data

Screen	Justification
Constructio	no demo
Land Use	PD

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Nai	Sac Rezone North Watt operations (before)
Operationa	2030
Lead Agency	
Land Use S	Project/site
Analysis Le	County
Windspeec	3.5
Precipitatic	39.2
Location	38.66735756395545, -121.38321539651498
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	657
EDFZ	13
Electric Uti	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Versio	2022.1.1.21

1.2. Land Use Types

Land Use S	Size	Unit	Lot Acreag	Building Ar	Landscape	Special Lan	Population	Description
Apartment	505	Dwelling U	21.3	535300	185653		1414	

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Un/Mit.	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Unmit.	19.5	30.7	14.7	174	0.36	0.36	31.7	32	0.34	8.04	8.38	239	39007	39246	21.9	1.47	86.1	40316
Mit.	19.3	30.6	13.1	173	0.35	0.23	31.7	31.9	0.21	8.04	8.25	239	36947	37186	21.7	1.46	86.1	38250
% Reduced	0.97	0.31	11	0.4	2.9	36.4		0.41	38.2		1.57		5.28	5.25	0.83	0.26		5.12
Daily, Winter (Max)																		
Unmit.	15.5	26.8	16.7	121	0.33	0.35	31.7	32	0.33	8.04	8.37	239	35862	36102	22	1.59	5.97	37133
Mit.	15.3	26.7	15.1	120	0.32	0.22	31.7	31.9	0.2	8.04	8.24	239	33802	34042	21.8	1.59	5.97	35067
% Reduced	1.23	0.35	9.71	0.57	3.18	37.8		0.41	39.3		1.57		5.74	5.71	0.83	0.24		5.56
Average Daily (Max)																		
Unmit.	15.7	27.1	14.5	127	0.3	0.33	27.6	28	0.32	7.02	7.34	239	33112	33351	21.8	1.38	35.6	34343
Mit.	15.5	27	12.8	127	0.29	0.2	27.6	27.8	0.19	7.02	7.21	239	31052	31291	21.6	1.38	35.6	32278
% Reduced	1.21	0.35	11.2	0.54	3.46	39.4		0.47	41.1		1.79		6.22	6.18	0.84	0.28		6.01
Annual (Max)																		
Unmit.	2.86	4.94	2.64	23.3	0.05	0.06	5.04	5.1	0.06	1.28	1.34	39.6	5482	5522	3.61	0.23	5.9	5686
Mit.	2.83	4.92	2.34	23.1	0.05	0.04	5.04	5.08	0.03	1.28	1.32	39.6	5141	5181	3.58	0.23	5.9	5344
% Reduced	1.21	0.35	11.2	0.54	3.46	39.4		0.47	41.1		1.79		6.22	6.18	0.84	0.28		6.01

2.5. Operations Emissions by Sector, Unmitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Mobile	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.2	8.04	8.24		35310	35310	1.34	1.37	82.3	35833
Area	2.62	15.3	0.27	28.7	< 0.005	0.01		0.01	0.01		0.01	0	76.6	76.6	< 0.005	< 0.005		76.9
Energy	0.19	0.1	1.62	0.69	0.01	0.13		0.13	0.13		0.13		3588	3588	0.27	0.02		3599
Water												38.1	32.5	70.6	0.13	0.08		98.8
Waste												201	0	201	20.1	0		704
Refrig.																	3.83	3.83
Total	19.5	30.7	14.7	174	0.36	0.36	31.7	32	0.34	8.04	8.38	239	39007	39246	21.9	1.47	86.1	40316
Daily, Winter (Max)																		
Mobile	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.2	8.04	8.24		32242	32242	1.49	1.49	2.13	32727
Area	0	12.8	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0.19	0.1	1.62	0.69	0.01	0.13		0.13	0.13		0.13		3588	3588	0.27	0.02		3599
Water												38.1	32.5	70.6	0.13	0.08		98.8
Waste												201	0	201	20.1	0		704
Refrig.																	3.83	3.83
Total	15.5	26.8	16.7	121	0.33	0.35	31.7	32	0.33	8.04	8.37	239	35862	36102	22	1.59	5.97	37133
Average Daily																		
Mobile	13.7	12.4	12.6	107	0.29	0.19	27.6	27.8	0.18	7.02	7.2		29439	29439	1.26	1.28	31.8	29885
Area	1.79	14.5	0.18	19.7	< 0.005	0.01		0.01	0.01		0.01	0	52.5	52.5	< 0.005	< 0.005		52.7
Energy	0.19	0.1	1.62	0.69	0.01	0.13		0.13	0.13		0.13		3588	3588	0.27	0.02		3599
Water												38.1	32.5	70.6	0.13	0.08		98.8
Waste												201	0	201	20.1	0		704
Refrig.																	3.83	3.83
Total	15.7	27.1	14.5	127	0.3	0.33	27.6	28	0.32	7.02	7.34	239	33112	33351	21.8	1.38	35.6	34343
Annual																		
Mobile	2.5	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31		4874	4874	0.21	0.21	5.27	4948
Area	0.33	2.65	0.03	3.59	< 0.005	< 0.005		0	< 0.005		0	0	8.69	8.69	< 0.005	< 0.005		8.72
Energy	0.03	0.02	0.3	0.13	< 0.005	0.02		0.02	0.02		0.02		594	594	0.04	< 0.005		596
Water												6.3	5.39	11.7	0.02	0.01		16.3
Waste												33.3	0	33.3	3.33	0		117
Refrig.																	0.63	0.63
Total	2.86	4.94	2.64	23.3	0.05	0.06	5.04	5.1	0.06	1.28	1.34	39.6	5482	5522	3.61	0.23	5.9	5686

2.6. Operations Emissions by Sector, Mitigated

Sector	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		

Mobile	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.2	8.04	8.24		35310	35310	1.34	1.37	82.3	35833
Area	2.62	15.3	0.27	28.7	< 0.005	0.01		0.01	0.01		0.01	0	76.6	76.6	< 0.005	< 0.005		76.9
Energy	0	0	0	0	0	0		0	0		0		1528	1528	0.09	0.01		1534
Water												38.1	32.5	70.6	0.13	0.08		98.8
Waste												201	0	201	20.1	0		704
Refrig.																	3.83	3.83
Total	19.3	30.6	13.1	173	0.35	0.23	31.7	31.9	0.21	8.04	8.25	239	36947	37186	21.7	1.46	86.1	38250
Daily, Winter (Max)																		
Mobile	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.2	8.04	8.24		32242	32242	1.49	1.49	2.13	32727
Area	0	12.8	0	0	0	0		0	0		0	0	0	0	0	0		0
Energy	0	0	0	0	0	0		0	0		0		1528	1528	0.09	0.01		1534
Water												38.1	32.5	70.6	0.13	0.08		98.8
Waste												201	0	201	20.1	0		704
Refrig.																	3.83	3.83
Total	15.3	26.7	15.1	120	0.32	0.22	31.7	31.9	0.2	8.04	8.24	239	33802	34042	21.8	1.59	5.97	35067
Average Daily																		
Mobile	13.7	12.4	12.6	107	0.29	0.19	27.6	27.8	0.18	7.02	7.2		29439	29439	1.26	1.28	31.8	29885
Area	1.79	14.5	0.18	19.7	< 0.005	0.01		0.01	0.01		0.01	0	52.5	52.5	< 0.005	< 0.005		52.7
Energy	0	0	0	0	0	0		0	0		0		1528	1528	0.09	0.01		1534
Water												38.1	32.5	70.6	0.13	0.08		98.8
Waste												201	0	201	20.1	0		704
Refrig.																	3.83	3.83
Total	15.5	27	12.8	127	0.29	0.2	27.6	27.8	0.19	7.02	7.21	239	31052	31291	21.6	1.38	35.6	32278
Annual																		
Mobile	2.5	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31		4874	4874	0.21	0.21	5.27	4948
Area	0.33	2.65	0.03	3.59	< 0.005	< 0.005		0	< 0.005		0	0	8.69	8.69	< 0.005	< 0.005		8.72
Energy	0	0	0	0	0	0		0	0		0		253	253	0.01	< 0.005		254
Water												6.3	5.39	11.7	0.02	0.01		16.3
Waste												33.3	0	33.3	3.33	0		117
Refrig.																	0.63	0.63
Total	2.83	4.92	2.34	23.1	0.05	0.04	5.04	5.08	0.03	1.28	1.32	39.6	5141	5181	3.58	0.23	5.9	5344

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.2	8.04	8.24		35310	35310	1.34	1.37	82.3	35833
Total	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.2	8.04	8.24		35310	35310	1.34	1.37	82.3	35833
Daily, Winter (Max)																		
Apartment	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.2	8.04	8.24		32242	32242	1.49	1.49	2.13	32727
Total	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.2	8.04	8.24		32242	32242	1.49	1.49	2.13	32727
Annual																		
Apartment	2.5	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31		4874	4874	0.21	0.21	5.27	4948
Total	2.5	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31		4874	4874	0.21	0.21	5.27	4948

4.1.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.2	8.04	8.24		35310	35310	1.34	1.37	82.3	35833
Total	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.2	8.04	8.24		35310	35310	1.34	1.37	82.3	35833
Daily, Winter (Max)																		
Apartment	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.2	8.04	8.24		32242	32242	1.49	1.49	2.13	32727
Total	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.2	8.04	8.24		32242	32242	1.49	1.49	2.13	32727
Annual																		
Apartment	2.5	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31		4874	4874	0.21	0.21	5.27	4948
Total	2.5	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31		4874	4874	0.21	0.21	5.27	4948

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise													1527	1527	0.09	0.01		1532
Total													1527	1527	0.09	0.01		1532
Daily, Winter (Max)																		
Apartments Low Rise													1527	1527	0.09	0.01		1532
Total													1527	1527	0.09	0.01		1532
Annual																		
Apartments Low Rise													253	253	0.01	< 0.005		254
Total													253	253	0.01	< 0.005		254

4.2.2. Electricity Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise													1528	1528	0.09	0.01		1534
Total													1528	1528	0.09	0.01		1534
Daily, Winter (Max)																		
Apartments Low Rise													1528	1528	0.09	0.01		1534
Total													1528	1528	0.09	0.01		1534
Annual																		
Apartments Low Rise													253	253	0.01	< 0.005		254
Total													253	253	0.01	< 0.005		254

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0.19	0.1	1.62	0.69	0.01	0.13		0.13	0.13		0.13		2061	2061	0.18	< 0.005		2067

Total	0.19	0.1	1.62	0.69	0.01	0.13	0.13	0.13	0.13	2061	2061	0.18	< 0.005		2067
Daily, Winter (Max)															
Apartment	0.19	0.1	1.62	0.69	0.01	0.13	0.13	0.13	0.13	2061	2061	0.18	< 0.005		2067
Total	0.19	0.1	1.62	0.69	0.01	0.13	0.13	0.13	0.13	2061	2061	0.18	< 0.005		2067
Annual															
Apartment	0.03	0.02	0.3	0.13	< 0.005	0.02	0.02	0.02	0.02	341	341	0.03	< 0.005		342
Total	0.03	0.02	0.3	0.13	< 0.005	0.02	0.02	0.02	0.02	341	341	0.03	< 0.005		342

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily, Winter (Max)																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Apartment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.3. Area Emissions by Source

4.3.1. Unmitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		11.5																
Architectural Coatings		1.38																
Landscape	2.62	2.48	0.27	28.7	< 0.005	0.01		0.01	0.01		0.01		76.6	76.6	< 0.005	< 0.005		76.9
Total	2.62	15.3	0.27	28.7	< 0.005	0.01		0.01	0.01		0.01	0	76.6	76.6	< 0.005	< 0.005		76.9
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		11.5																
Architectural Coatings		1.38																
Total	0	12.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		2.09																
Architectural Coatings		0.25																
Landscape	0.33	0.31	0.03	3.59	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		8.69	8.69	< 0.005	< 0.005		8.72
Total	0.33	2.65	0.03	3.59	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	8.69	8.69	< 0.005	< 0.005		8.72

4.3.2. Mitigated

Source	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		11.5																
Architectural Coatings		1.38																
Landscape	2.62	2.48	0.27	28.7	< 0.005	0.01		0.01	0.01		0.01		76.6	76.6	< 0.005	< 0.005		76.9
Total	2.62	15.3	0.27	28.7	< 0.005	0.01		0.01	0.01		0.01	0	76.6	76.6	< 0.005	< 0.005		76.9
Daily, Winter (Max)																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		11.5																
Architectural Coatings		1.38																
Total	0	12.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual																		
Hearths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Products		2.09																
Architectural Coatings		0.25																
Landscape	0.33	0.31	0.03	3.59	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005		8.69	8.69	< 0.005	< 0.005		8.72
Total	0.33	2.65	0.03	3.59	< 0.005	< 0.005		< 0.005	< 0.005		< 0.005	0	8.69	8.69	< 0.005	< 0.005		8.72

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												38.1	32.5	70.6	0.13	0.08		98.8
Total												38.1	32.5	70.6	0.13	0.08		98.8
Daily, Winter (Max)																		
Apartments Low Rise												38.1	32.5	70.6	0.13	0.08		98.8
Total												38.1	32.5	70.6	0.13	0.08		98.8
Annual																		
Apartments Low Rise												6.3	5.39	11.7	0.02	0.01		16.3
Total												6.3	5.39	11.7	0.02	0.01		16.3

4.4.2. Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Apartments Low Rise												38.1	32.5	70.6	0.13	0.08		98.8
Total												38.1	32.5	70.6	0.13	0.08		98.8
Daily, Winter (Max)																		
Apartments Low Rise												38.1	32.5	70.6	0.13	0.08		98.8
Total												38.1	32.5	70.6	0.13	0.08		98.8
Annual																		
Apartments Low Rise												6.3	5.39	11.7	0.02	0.01		16.3
Total												6.3	5.39	11.7	0.02	0.01		16.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Low Rise											201	0	201	20.1	0		704
Total											201	0	201	20.1	0		704
Daily, Winter (Max)																	
Apartments Low Rise											201	0	201	20.1	0		704
Total											201	0	201	20.1	0		704
Annual																	
Apartments Low Rise											33.3	0	33.3	3.33	0		117
Total											33.3	0	33.3	3.33	0		117

4.5.2. Mitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Low Rise											201	0	201	20.1	0		704
Total											201	0	201	20.1	0		704
Daily, Winter (Max)																	
Apartments Low Rise											201	0	201	20.1	0		704
Total											201	0	201	20.1	0		704
Annual																	
Apartments Low Rise											33.3	0	33.3	3.33	0		117
Total											33.3	0	33.3	3.33	0		117

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Low Rise																3.83	3.83
Total																3.83	3.83
Daily, Winter (Max)																	
Apartments Low Rise																3.83	3.83
Total																3.83	3.83
Annual																	
Apartments Low Rise																0.63	0.63
Total																0.63	0.63

4.6.2. Mitigated

Land Use TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Apartments Low Rise																3.83	3.83
Total																3.83	3.83
Daily, Winter (Max)																	
Apartments Low Rise																3.83	3.83
Total																3.83	3.83
Annual																	
Apartments Low Rise																0.63	0.63
Total																0.63	0.63

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.7.2. Mitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.8.2. Mitigated

Equipment TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																	
Total																	
Daily, Winter (Max)																	
Total																	
Annual																	
Total																	

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.9.2. Mitigated

Equipment	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Daily, Winter (Max)																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		
Annual																		
Avoided																		
Subtotal																		
Sequestered																		
Subtotal																		
Removed																		
Subtotal																		

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Vegetation	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Land Use	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Total																		
Daily, Winter (Max)																		
Total																		
Annual																		
Total																		

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Species	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO_2	$NBCO_2$	CO_2T	CH_4	N_2O	R	CO_2e
Daily, Summer (Max)																		
Avoided																		

Subtotal
Sequestered
Subtotal
Removed
Subtotal

Daily, Winter (Max)
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

Annual
Avoided
Subtotal
Sequestered
Subtotal
Removed
Subtotal

5. Activity Data
5.9. Operational Mobile Sources
5.9.1. Unmitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	3697	4111	3171	1343466	40158	44657	34453	14594777

5.9.2. Mitigated

Land Use T	Trips/Weel	Trips/Satur	Trips/Sund	Trips/Year	VMT/Weel	VMT/Satur	VMT/Sund	VMT/Year
Apartment	3697	4111	3171	1343466	40158	44657	34453	14594777

5.10. Operational Area Sources
5.10.1. Hearths
5.10.1.1. Unmitigated

Hearth Typ	Unmitigated (number)
Apartments Low Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	505
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.1.2. Mitigated

Hearth Typ	Unmitigated (number)
Apartments Low Rise	
Wood Fire	0
Gas Firepla	0
Propane Fi	0
Electric Fire	0
No Fireplac	505
Conventior	0
Catalytic W	0
Non-Cataly	0
Pellet Woo	0

5.10.2. Architectural Coatings

Residential	Residential	Non-Reside	Non-Reside	Parking Area Coated (sq ft)
1083983	361328	0	0	

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0
Summer D	day/yr	250

5.11. Operational Energy Consumption
5.11.1. Unmitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	2498915	223	0.0129	0.0017	6431723

5.11.2. Mitigated

Land Use	Electricity (	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartment	2501038	223	0.0129	0.0017	0

5.12. Operational Water and Wastewater Consumption
5.12.1. Unmitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)

Apartment	17805795	3169087

5.12.2. Mitigated

Land Use	Indoor Wa	Outdoor Water (gal/year)
Apartment	17805795	3169087

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	373	

5.13.2. Mitigated

Land Use	Waste (ton	Cogeneration (kWh/year)
Apartment	373	

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment	Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment	Household	R-134a	1430	0.12	0.6	0	1

5.14.2. Mitigated

Land Use T	Equipment	Refrigerant	GWP	Quantity (k	Operations	Service Lea	Times Serviced
Apartment	Average ro	R-410A	2088	< 0.005	2.5	2.5	10
Apartment	Household	R-134a	1430	0.12	0.6	0	1

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor

5.15.2. Mitigated

Equipment	Fuel Type	Engine Tier	Number pe	Hours Per I	Horsepowe	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment	Fuel Type	Number pe	Hours per I	Hours per \	Horsepowe	Load Factor

5.16.2. Process Boilers

Equipment	Fuel Type	Number	Boiler Ratir	Daily Heat	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1.2. Mitigated

Vegetation	Vegetation	Initial Acre	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cc	Initial Acre	Final Acres

5.18.1.2. Mitigated

Biomass Cc	Initial Acre	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity S	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Ha	Result for F	Unit
Temperatu	21.8	annual days of extreme heat
Extreme Pr	6.35	annual days with precipitation above 20 mm
Sea Level Rise		meters of inundation depth
Wildfire	0	annual hectares burned

Temperat

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities

6.2. Initial Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	0	0	N/A

Extreme Pr	2	0	0	N/A
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Ha	Exposure S	Sensitivity	Adaptive C	Vulnerability Score
Temperatu	1	1	1	2
Extreme Pr	2	1	1	3
Sea Level R	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack	N/A	N/A	N/A	N/A
Air Quality	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	
AQ-Ozone	58.2
AQ-PM	37.4
AQ-DPM	27.5
Drinking W	61.1
Lead Risk H	92.2
Pesticides	7.24
Toxic Relea	21.8
Traffic	47
Effect Indicators	
CleanUp Si	80.9
Groundwat	99.2
Haz Waste	61.6
Impaired W	0
Solid Wast	52.9
Sensitive Population	
Asthma	93.4
Cardio-vas	69.2
Low Birth W	79.4
Socioeconomic Factor Indicators	
Education	62.9
Housing	73.4
Linguistic	39.2
Poverty	91.6
Unemployr	65.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	
Above Pov	10.16297
Employed	6.274862
Median HI	6.672655
Education	
Bachelor's	19.73566
High schoo	12.79353
Preschool e	42.65366
Transportation	
Auto Acces	24.89414
Active com	74.06647
Social	
2-parent h	39.00937
Voting	13.02451
Neighborhood	
Alcohol ava	41.65277
Park access	47.42718
Retail dens	38.27794
Supermark	72.19299
Tree canop	82.34313
Housing	

Homeowne	23.13615
Housing ha	24.9198
Low-inc ho	13.20416
Low-inc rer	43.79571
Uncrowdec	25.44591
Health Outcomes	
Insured adı	37.80316
Arthritis	0
Asthma ER	5.9
High Blood	0
Cancer (ex	0
Asthma	0
Coronary H	0
Chronic Ob	0
Diagnosed	0
Life Expect	5.5
Cognitively	4
Physically	5.6
Heart Atta	17
Mental He	0
Chronic Kic	0
Obesity	0
Pedestrian	97
Physical He	0
Stroke	0
Health Risk Behaviors	
Binge Drink	0
Current Sm	0
No Leisure	0
Climate Change Exposures	
Wildfire Ris	0
SLR Inunda	0
Children	16
Elderly	68
English Spe	43
Foreign-bo	30
Outdoor W	49
Climate Change Adaptive Capacity	
Impervious	51
Traffic Den	47
Traffic Acc	66
Other Indices	
Hardship	81
Other Decision Support	
2016 Votin	6.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroSc	83
Healthy Pla	13
Project Loc	Yes
Project Loc	Yes
Project Loc	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

Measure T	Co-Benefits Achieved

7.5. Evaluation Scorecard

Category	Number of Total Point	Max Possit	Weighted Score

7.6. Health & Equity Custom Measures

Measure T	Sponsor

8. User Changes to Default Data

Screen	Justification
Land Use	20% of total lot acreage is landscaped as in GP
Constructio	no demo

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	280.2	Adjusted Arch Coating Days
Site Prep	10		based on 2/3 building days plus paving and arch coating
Grading	35	**251**	Unmitigated ROG lbs/day
Building Construction	370	4518	ROG X Arch Tech Days
Paving	18	**16.1242**	**Adjusted ROG**
Arch Coating	18		
		2.73	Unmitigated ROG TPY
		49.14	ROG X Arch Tech Days
		0.175375	**Adjusted ROG**

Adjustment spread out throughout 2027 and 2028

	Adjusted # of Days		Off Model Adjustments
Demolition	10	156.34	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	20	**883**	Unmitigated ROG lbs/day
Building Construction	199	10596	ROG X Arch Tech Days
Paving	13	**67.77536**	**Adjusted ROG**
Arch Coating	12		
		6	Unmitigated ROG TPY
		72	ROG X Arch Tech Days
		0.460535	**Adjusted ROG**

	Adjusted # of Days		Off Model Adjustments
Demolition	10	156.34	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	20	**883**	Unmitigated ROG lbs/day
Building Construction	199	10596	ROG X Arch Tech Days
Paving	13	**67.77536139**	**Adjusted ROG**
Arch Coating	12		
		5.98	Unmitigated ROG TPY
		71.76	ROG X Arch Tech Days
		0.458999616	**Adjusted ROG**

	Adjusted # of Days		
			Off Model Adjustments
Demolition	10	157.34	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	19	**815**	Unmitigated ROG lbs/day
Building Construction	199	10595	ROG X Arch Tech Days
Paving	13	**67.33825**	**Adjusted ROG**
Arch Coating	13		
		5.93	Unmitigated ROG TPY
		77.09	ROG X Arch Tech Days
		0.489958	**Adjusted ROG**

	Adjusted # of Days		Off Model Adjustments
Demolition	10	155.68	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	20	**882**	Unmitigated ROG lbs/day
Building Construction	198	10584	ROG X Arch Tech Days
Paving	13	**67.98561**	**Adjusted ROG**
Arch Coating	12		
		5.92	Unmitigated ROG TPY
		71.04	ROG X Arch Tech Days
		0.456321	**Adjusted ROG**

	Adjusted # of Days		
			Off Model Adjustments
Demolition	10	156.34	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	20	**882**	Unmitigated ROG lbs/day
Building Construction	199	10584	ROG X Arch Tech Days
Paving	13	**67.69861**	**Adjusted ROG**
Arch Coating	12		
		5.9	Unmitigated ROG TPY
		70.8	ROG X Arch Tech Days
		0.452859	**Adjusted ROG**

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	76	Adjusted Arch Coating Days
Site Prep	1		based on 2/3 building days plus paving and arch coating
Grading	2	**66.8**	Unmitigated ROG lbs/day
Building Construction	100	334	ROG X Arch Tech Days
Paving	5	**4.394737**	**Adjusted ROG**
Arch Coating	5		
		0.23	Unmitigated ROG TPY
		1.15	ROG X Arch Tech Days
		0.015132	**Adjusted ROG**

Adjustment spread out throughout 2025

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	284.2	Adjusted Arch Coating Days
Site Prep	10		based on 2/3 building days plus paving and arch coating
Grading	35	**332**	Unmitigated ROG lbs/day
Building Construction	370	6640	ROG X Arch Tech Days
Paving	20	**23.36383**	**Adjusted ROG**
Arch Coating	20		
		3.33	Unmitigated ROG TPY
		66.6	ROG X Arch Tech Days
		0.234342	**Adjusted ROG**

Adjustment spread out throughout 2026 and 2027

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	280.2	Adjusted Arch Coating Days
Site Prep	10		based on 2/3 building days plus paving and arch coating
Grading	35	**390**	Unmitigated ROG lbs/day
Building Construction	370	7020	ROG X Arch Tech Days
Paving	18	**25.05353**	**Adjusted ROG**
Arch Coating	18		
		3.79	Unmitigated ROG TPY
		68.22	ROG X Arch Tech Days
		0.243469	**Adjusted ROG**

Adjustment spread out throughout 2027 and 2028

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	163.96	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	20	**328**	Unmitigated ROG lbs/day
Building Construction	206	4592	ROG X Arch Tech Days
Paving	14	**28.00683**	**Adjusted ROG**
Arch Coating	14		
		2.6	Unmitigated ROG TPY
		36.4	ROG X Arch Tech Days
		0.222005	**Adjusted ROG**

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	163.96	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	20	**328**	Unmitigated ROG lbs/day
Building Construction	206	4592	ROG X Arch Tech Days
Paving	14	**28.00683**	**Adjusted ROG**
Arch Coating	14		
		2.6	Unmitigated ROG TPY
		36.4	ROG X Arch Tech Days
		0.222005	**Adjusted ROG**

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	163.96	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	20	**328**	Unmitigated ROG lbs/day
Building Construction	206	4592	ROG X Arch Tech Days
Paving	14	**28.00683**	**Adjusted ROG**
Arch Coating	14		
		2.6	Unmitigated ROG TPY
		36.4	ROG X Arch Tech Days
		0.222005	**Adjusted ROG**

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	162.96	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	20	**353**	Unmitigated ROG lbs/day
Building Construction	206	4589	ROG X Arch Tech Days
Paving	14	**28.16028**	**Adjusted ROG**
Arch Coating	13		
		2.6	Unmitigated ROG TPY
		33.8	ROG X Arch Tech Days
		0.207413	**Adjusted ROG**

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	163.96	Adjusted Arch Coating Days
Site Prep	7		based on 2/3 building days plus paving and arch coating
Grading	20	**328**	Unmitigated ROG lbs/day
Building Construction	206	4592	ROG X Arch Tech Days
Paving	14	**28.00683**	**Adjusted ROG**
Arch Coating	14		
		2.6	Unmitigated ROG TPY
		36.4	ROG X Arch Tech Days
		0.222005	**Adjusted ROG**

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	76	Adjusted Arch Coating Days
Site Prep	1		based on 2/3 building days plus paving and arch coating
Grading	2	**49.9**	Unmitigated ROG lbs/day
Building Construction	100	249.5	ROG X Arch Tech Days
Paving	5	**3.282895**	**Adjusted ROG**
Arch Coating	5		
		0.19	Unmitigated ROG TPY
		0.95	ROG X Arch Tech Days
		0.0125	**Adjusted ROG**

Adjustment spread out throughout 2025

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	284.2	Adjusted Arch Coating Days
Site Prep	10		based on 2/3 building days plus paving and arch coating
Grading	35	**252**	Unmitigated ROG lbs/day
Building Construction	370	5040	ROG X Arch Tech Days
Paving	20	**17.73399**	**Adjusted ROG**
Arch Coating	20		
		2.53	Unmitigated ROG TPY
		50.6	ROG X Arch Tech Days
		0.178044	**Adjusted ROG**

Adjustment spread out throughout 2026 and 2027

	Adjusted # of Days		
			Off Model Adjustments
Demolition	0	238	Adjusted Arch Coating Days
Site Prep	10		based on 2/3 building days plus paving and arch coating
Grading	30	**190**	Unmitigated ROG lbs/day
Building Construction	300	3800	ROG X Arch Tech Days
Paving	20	**15.96639**	**Adjusted ROG**
Arch Coating	20		
		2.53	Unmitigated ROG TPY
		50.6	ROG X Arch Tech Days
		0.212605	**Adjusted ROG**

Adjustment spread out throughout 2026 and 2027

Sac Rezone after (2025) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

3.3. Site Preparation (2025) - Unmitigated

3.5. Grading (2025) - Unmitigated

3.7. Building Construction (2025) - Unmitigated

3.9. Paving (2025) - Unmitigated

3.11. Architectural Coating (2025) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone after (2025)
Construction Start Date	1/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	1,174	Dwelling Unit	37.5	1,127,040	327,122	—	3,287	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.64	4.86	19.5	66.4	0.05	0.48	9.49	9.97	0.45	2.26	2.70	—	15,623	15,623	0.48	0.90	46.3	15,948
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.30	883	31.7	53.1	0.06	1.37	9.49	9.97	1.26	3.98	5.24	—	14,544	14,544	0.54	0.90	1.20	14,826
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.32	31.8	14.2	32.8	0.03	0.40	5.50	5.90	0.37	1.38	1.74	—	8,767	8,767	0.30	0.50	11.0	8,934
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.61	5.80	2.59	5.98	0.01	0.07	1.00	1.08	0.07	0.25	0.32	—	1,451	1,451	0.05	0.08	1.83	1,479

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	5.64	4.86	19.5	66.4	0.05	0.48	9.49	9.97	0.45	2.26	2.70	—	15,623	15,623	0.48	0.90	46.3	15,948
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.30	883	31.7	53.1	0.06	1.37	9.49	9.97	1.26	3.98	5.24	—	14,544	14,544	0.54	0.90	1.20	14,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.32	31.8	14.2	32.8	0.03	0.40	5.50	5.90	0.37	1.38	1.74	—	8,767	8,767	0.30	0.50	11.0	8,934
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.61	5.80	2.59	5.98	0.01	0.07	1.00	1.08	0.07	0.25	0.32	—	1,451	1,451	0.05	0.08	1.83	1,479

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.75	0.75	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.07	0.61	0.55	< 0.005	0.03	—	0.03	0.02	—	0.02	—	93.8	93.8	< 0.005	< 0.005	—	94.2
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.67	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	151	151	< 0.005	0.01	0.02	153
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.23	0.45	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	—	637	637	0.06	0.10	0.03	669
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.25	4.25	< 0.005	< 0.005	0.01	4.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.5	17.5	< 0.005	< 0.005	0.02	18.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.89	2.89	< 0.005	< 0.005	< 0.005	3.04

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.61	0.58	< 0.005	0.03	—	0.03	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.78	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	176	176	< 0.005	0.01	0.02	179
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.47	3.47	< 0.005	< 0.005	0.01	3.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.63	1.55	< 0.005	0.07	—	0.07	0.06	—	0.06	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	0.89	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	202	202	< 0.005	0.01	0.02	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.88	1.88	< 0.005	< 0.005	< 0.005	1.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	0.61	5.69	7.11	0.01	0.24	—	0.24	0.22	—	0.22	—	1,307	1,307	0.05	0.01	—	1,312
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.04	1.30	< 0.005	0.04	—	0.04	0.04	—	0.04	—	216	216	0.01	< 0.005	—	217
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.89	3.57	2.46	50.9	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	9,595	9,595	0.15	0.34	36.8	9,737
Vendor	0.40	0.16	6.58	2.44	0.02	0.05	0.95	1.00	0.05	0.26	0.30	—	3,630	3,630	0.24	0.54	9.44	3,805
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.56	3.18	3.13	37.5	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	8,518	8,518	0.20	0.34	0.96	8,626
Vendor	0.39	0.13	7.03	2.50	0.02	0.05	0.95	1.00	0.05	0.26	0.31	—	3,628	3,628	0.24	0.54	0.25	3,794
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.93	1.74	1.52	20.9	0.00	0.00	4.55	4.55	0.00	1.06	1.06	—	4,766	4,766	0.09	0.19	8.66	4,833
Vendor	0.22	0.08	3.78	1.34	0.01	0.03	0.51	0.54	0.03	0.14	0.17	—	1,979	1,979	0.13	0.29	2.22	2,071
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.32	0.28	3.81	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	789	789	0.02	0.03	1.43	800
Vendor	0.04	0.02	0.69	0.24	< 0.005	0.01	0.09	0.10	0.01	0.03	0.03	—	328	328	0.02	0.05	0.37	343
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	53.8	53.8	< 0.005	< 0.005	—	54.0
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.91	8.91	< 0.005	< 0.005	—	8.94
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.67	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	151	151	< 0.005	0.01	0.02	153
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.53	5.53	< 0.005	< 0.005	0.01	5.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	AQ-1-252	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.39	4.39	< 0.005	< 0.005	—	4.40
Architectural Coatings	—	29.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Architectural Coatings	—	5.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.71	0.64	0.63	7.50	0.00	0.00	1.71	1.71	0.00	0.40	0.40	—	1,704	1,704	0.04	0.07	0.19	1,725
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	57.5	57.5	< 0.005	< 0.005	0.10	58.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.52	9.52	< 0.005	< 0.005	0.02	9.65
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2025	1/14/2025	5.00	10.0	—
Site Preparation	Site Preparation	1/15/2025	1/23/2025	5.00	7.00	—
Grading	Grading	1/24/2025	2/20/2025	5.00	20.0	—
Building Construction	Building Construction	2/21/2025	11/26/2025	5.00	199	—
Paving	Paving	11/27/2025	12/15/2025	5.00	13.0	—
Architectural Coating	Architectural Coating	12/16/2025	12/31/2025	5.00	12.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	14.3	LDA,LDT1,LDT2
Demolition	Vendor	—	8.80	HHDT,MHDT
Demolition	Hauling	8.60	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT

Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	845	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	126	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	169	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	2,282,256	760,752	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	7,404	—
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	40.0
AQ-PM	35.1
AQ-DPM	76.8
Drinking Water	78.5
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	22.2
Traffic	82.0
Effect Indicators	—
CleanUp Sites	51.3
Groundwater	82.5
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	43.8

Solid Waste	0.00
Sensitive Population	—
Asthma	89.8
Cardio-vascular	78.3
Low Birth Weights	53.5
Socioeconomic Factor Indicators	—
Education	87.3
Housing	99.3
Linguistic	93.9
Poverty	87.8
Unemployment	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	15.01347363
Employed	17.64403952
Median HI	2.065956628
Education	—
Bachelor's or higher	23.94456564
High school enrollment	100
Preschool enrollment	52.58565379
Transportation	—
Auto Access	6.351854228
Active commuting	46.04131913
Social	—

2-parent households	26.27999487
Voting	29.56499423
Neighborhood	—
Alcohol availability	31.10483767
Park access	62.08135506
Retail density	73.19389195
Supermarket access	94.25125112
Tree canopy	79.53291415
Housing	—
Homeownership	13.08866932
Housing habitability	6.108045682
Low-inc homeowner severe housing cost burden	69.52393173
Low-inc renter severe housing cost burden	0.898242012
Uncrowded housing	24.76581548
Health Outcomes	—
Insured adults	41.04965995
Arthritis	88.1
Asthma ER Admissions	8.1
High Blood Pressure	54.9
Cancer (excluding skin)	98.2
Asthma	2.1
Coronary Heart Disease	85.5
Chronic Obstructive Pulmonary Disease	29.1
Diagnosed Diabetes	48.6
Life Expectancy at Birth	3.1
Cognitively Disabled	9.6
Physically Disabled	13.7

Heart Attack ER Admissions	14.0
Mental Health Not Good	5.0
Chronic Kidney Disease	73.0
Obesity	10.1
Pedestrian Injuries	90.5
Physical Health Not Good	18.5
Stroke	51.7
Health Risk Behaviors	—
Binge Drinking	69.8
Current Smoker	1.9
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	11.1
Elderly	80.0
English Speaking	12.4
Foreign-born	65.6
Outdoor Workers	48.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	19.6
Traffic Density	77.2
Traffic Access	87.4
Other Indices	—
Hardship	92.6
Other Decision Support	—
2016 Voting	10.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	1/5th of project in 2025
Construction: Construction Phases	1/5th of project

Sac Rezone after (2026) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

3.3. Site Preparation (2026) - Unmitigated

3.5. Grading (2026) - Unmitigated

3.7. Building Construction (2026) - Unmitigated

3.9. Paving (2026) - Unmitigated

3.11. Architectural Coating (2026) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone after (2026)
Construction Start Date	1/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	1,174	Dwelling Unit	37.5	1,127,040	327,122	—	3,287	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.38	4.58	18.2	62.9	0.05	0.43	9.49	9.92	0.40	2.26	2.65	—	15,362	15,362	0.46	0.88	42.2	15,677
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.81	883	29.2	50.4	0.06	1.24	9.49	9.92	1.14	3.98	5.12	—	14,307	14,307	0.52	0.89	1.10	14,588
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.02	31.7	13.2	31.2	0.03	0.36	5.50	5.86	0.33	1.38	1.71	—	8,633	8,633	0.30	0.50	10.1	8,799
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.55	5.78	2.41	5.69	0.01	0.06	1.00	1.07	0.06	0.25	0.31	—	1,429	1,429	0.05	0.08	1.67	1,457

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	5.38	4.58	18.2	62.9	0.05	0.43	9.49	9.92	0.40	2.26	2.65	—	15,362	15,362	0.46	0.88	42.2	15,677
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.81	883	29.2	50.4	0.06	1.24	9.49	9.92	1.14	3.98	5.12	—	14,307	14,307	0.52	0.89	1.10	14,588
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.02	31.7	13.2	31.2	0.03	0.36	5.50	5.86	0.33	1.38	1.71	—	8,633	8,633	0.30	0.50	10.1	8,799
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.55	5.78	2.41	5.69	0.01	0.06	1.00	1.07	0.06	0.25	0.31	—	1,429	1,429	0.05	0.08	1.67	1,457

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72	2.29	20.7	19.0	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.75	0.75	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.06	0.57	0.52	< 0.005	0.02	—	0.02	0.02	—	0.02	—	93.9	93.9	< 0.005	< 0.005	—	94.2
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.62	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	148	148	< 0.005	0.01	0.02	150
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.17	0.44	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	—	623	623	0.06	0.10	0.03	655
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.17	4.17	< 0.005	< 0.005	0.01	4.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.1	17.1	< 0.005	< 0.005	0.02	18.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.69	0.69	< 0.005	< 0.005	< 0.005	0.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.83	2.83	< 0.005	< 0.005	< 0.005	2.97

3.3. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.56	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.73	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	173	173	< 0.005	0.01	0.02	175
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.40	3.40	< 0.005	< 0.005	0.01	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.49	1.51	< 0.005	0.06	—	0.06	0.06	—	0.06	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.07	0.83	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	198	198	< 0.005	0.01	0.02	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.84	1.84	< 0.005	< 0.005	< 0.005	1.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	0.58	5.37	7.07	0.01	0.21	—	0.21	0.19	—	0.19	—	1,307	1,307	0.05	0.01	—	1,311
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.29	< 0.005	0.04	—	0.04	0.03	—	0.03	—	216	216	0.01	< 0.005	—	217
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.73	3.38	2.18	47.6	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	9,407	9,407	0.13	0.32	33.6	9,540
Vendor	0.37	0.13	6.15	2.34	0.02	0.05	0.95	1.00	0.05	0.26	0.30	—	3,557	3,557	0.24	0.54	8.57	3,731
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.16	3.07	2.82	35.0	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	8,355	8,355	0.19	0.34	0.87	8,462
Vendor	0.37	0.13	6.59	2.39	0.02	0.05	0.95	1.00	0.05	0.26	0.31	—	3,556	3,556	0.24	0.53	0.22	3,721
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.70	1.66	1.35	19.5	0.00	0.00	4.55	4.55	0.00	1.06	1.06	—	4,674	4,674	0.09	0.19	7.92	4,740
Vendor	0.20	0.07	3.53	1.30	0.01	0.03	0.51	0.54	0.03	0.14	0.16	—	1,939	1,939	0.13	0.29	2.01	2,031
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.30	0.25	3.55	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	774	774	0.02	0.03	1.31	785
Vendor	0.04	0.01	0.64	0.24	< 0.005	0.01	0.09	0.10	< 0.005	0.03	0.03	—	321	321	0.02	0.05	0.33	336
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	53.8	53.8	< 0.005	< 0.005	—	54.0
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.91	8.91	< 0.005	< 0.005	—	8.94
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.62	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	148	148	< 0.005	0.01	0.02	150
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.42	5.42	< 0.005	< 0.005	0.01	5.49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	AQ-1-282	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.39	4.39	< 0.005	< 0.005	—	4.40
Architectural Coatings	—	29.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Architectural Coatings	—	5.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.61	0.56	7.00	0.00	0.00	1.71	1.71	0.00	0.40	0.40	—	1,671	1,671	0.04	0.07	0.17	1,692
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	56.4	56.4	< 0.005	< 0.005	0.10	57.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.33	9.33	< 0.005	< 0.005	0.02	9.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2026	1/14/2026	5.00	10.0	—
Site Preparation	Site Preparation	1/15/2026	1/23/2026	5.00	7.00	—
Grading	Grading	1/24/2026	2/20/2026	5.00	20.0	—
Building Construction	Building Construction	2/21/2026	11/26/2026	5.00	199	—
Paving	Paving	11/27/2026	12/15/2026	5.00	13.0	—
Architectural Coating	Architectural Coating	12/16/2026	12/31/2026	5.00	12.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	14.3	LDA,LDT1,LDT2
Demolition	Vendor	—	8.80	HHDT,MHDT
Demolition	Hauling	8.60	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT

Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	845	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	126	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	169	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	2,282,256	760,752	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	7,404	—
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	40.0
AQ-PM	35.1
AQ-DPM	76.8
Drinking Water	78.5
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	22.2
Traffic	82.0
Effect Indicators	—
CleanUp Sites	51.3
Groundwater	82.5
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	43.8

Solid Waste	0.00
Sensitive Population	—
Asthma	89.8
Cardio-vascular	78.3
Low Birth Weights	53.5
Socioeconomic Factor Indicators	—
Education	87.3
Housing	99.3
Linguistic	93.9
Poverty	87.8
Unemployment	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	15.01347363
Employed	17.64403952
Median HI	2.065956628
Education	—
Bachelor's or higher	23.94456564
High school enrollment	100
Preschool enrollment	52.58565379
Transportation	—
Auto Access	6.351854228
Active commuting	46.04131913
Social	—

2-parent households	26.27999487
Voting	29.56499423
Neighborhood	—
Alcohol availability	31.10483767
Park access	62.08135506
Retail density	73.19389195
Supermarket access	94.25125112
Tree canopy	79.53291415
Housing	—
Homeownership	13.08866932
Housing habitability	6.108045682
Low-inc homeowner severe housing cost burden	69.52393173
Low-inc renter severe housing cost burden	0.898242012
Uncrowded housing	24.76581548
Health Outcomes	—
Insured adults	41.04965995
Arthritis	88.1
Asthma ER Admissions	8.1
High Blood Pressure	54.9
Cancer (excluding skin)	98.2
Asthma	2.1
Coronary Heart Disease	85.5
Chronic Obstructive Pulmonary Disease	29.1
Diagnosed Diabetes	48.6
Life Expectancy at Birth	3.1
Cognitively Disabled	9.6
Physically Disabled	13.7

Heart Attack ER Admissions	14.0
Mental Health Not Good	5.0
Chronic Kidney Disease	73.0
Obesity	10.1
Pedestrian Injuries	90.5
Physical Health Not Good	18.5
Stroke	51.7
Health Risk Behaviors	—
Binge Drinking	69.8
Current Smoker	1.9
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	11.1
Elderly	80.0
English Speaking	12.4
Foreign-born	65.6
Outdoor Workers	48.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	19.6
Traffic Density	77.2
Traffic Access	87.4
Other Indices	—
Hardship	92.6
Other Decision Support	—
2016 Voting	10.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	1/5th of project in 2025
Construction: Construction Phases	1/5th of project

Sac Rezone after (2027) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2027) - Unmitigated

3.3. Site Preparation (2027) - Unmitigated

3.5. Grading (2027) - Unmitigated

3.7. Building Construction (2027) - Unmitigated

3.9. Paving (2027) - Unmitigated

3.11. Architectural Coating (2027) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone after (2027)
Construction Start Date	1/1/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	1,174	Dwelling Unit	37.5	1,127,040	327,122	—	3,287	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.93	4.43	17.3	60.1	0.05	0.39	9.49	9.88	0.36	2.26	2.62	—	15,112	15,112	0.44	0.85	38.2	15,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.63	815	28.0	48.1	0.06	1.17	9.49	9.88	1.08	3.98	5.06	—	14,079	14,079	0.50	0.87	0.99	14,351
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.90	31.4	12.5	29.9	0.03	0.32	5.50	5.82	0.30	1.37	1.67	—	8,490	8,490	0.28	0.47	9.14	8,648
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.53	5.73	2.28	5.45	0.01	0.06	1.00	1.06	0.05	0.25	0.30	—	1,406	1,406	0.05	0.08	1.51	1,432

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2027	4.93	4.43	17.3	60.1	0.05	0.39	9.49	9.88	0.36	2.26	2.62	—	15,112	15,112	0.44	0.85	38.2	15,415
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.63	815	28.0	48.1	0.06	1.17	9.49	9.88	1.08	3.98	5.06	—	14,079	14,079	0.50	0.87	0.99	14,351
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.90	31.4	12.5	29.9	0.03	0.32	5.50	5.82	0.30	1.37	1.67	—	8,490	8,490	0.28	0.47	9.14	8,648
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.53	5.73	2.28	5.45	0.01	0.06	1.00	1.06	0.05	0.25	0.30	—	1,406	1,406	0.05	0.08	1.51	1,432

3. Construction Emissions Details

3.1. Demolition (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.21	19.9	18.6	0.03	0.80	—	0.80	0.73	—	0.73	—	3,427	3,427	0.14	0.03	—	3,439
Demolition	—	—	—	—	—	—	0.75	0.75	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.06	0.55	0.51	< 0.005	0.02	—	0.02	0.02	—	0.02	—	93.9	93.9	< 0.005	< 0.005	—	94.2
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.58	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.11	0.42	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	—	608	608	0.05	0.10	0.03	639
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.09	4.09	< 0.005	< 0.005	0.01	4.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.7	16.7	< 0.005	< 0.005	0.01	17.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.90

3.3. Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.68	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	170	170	< 0.005	0.01	0.02	172
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.34	3.34	< 0.005	< 0.005	0.01	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.55	0.55	< 0.005	< 0.005	< 0.005	0.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	27.3	0.06	1.04	—	1.04	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.33	1.42	< 0.005	0.05	—	0.05	0.05	—	0.05	—	343	343	0.01	< 0.005	—	345
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.9	56.9	< 0.005	< 0.005	—	57.1
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.78	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	< 0.005	0.01	0.02	197
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.02	10.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.12	7.05	0.01	0.18	—	0.18	0.17	—	0.17	—	1,307	1,307	0.05	0.01	—	1,311
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.93	1.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	216	216	0.01	< 0.005	—	217
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.33	3.27	2.14	44.9	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	9,239	9,239	0.13	0.32	30.5	9,369
Vendor	0.37	0.13	5.78	2.27	0.02	0.05	0.95	1.00	0.05	0.26	0.30	—	3,476	3,476	0.21	0.51	7.69	3,641
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.03	2.67	2.78	32.8	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	8,207	8,207	0.19	0.34	0.79	8,314
Vendor	0.36	0.12	6.17	2.31	0.02	0.05	0.95	1.00	0.05	0.26	0.31	—	3,475	3,475	0.21	0.51	0.20	3,632
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.64	1.46	1.33	18.3	0.00	0.00	4.55	4.55	0.00	1.06	1.06	—	4,591	4,591	0.08	0.18	7.19	4,653
Vendor	0.20	0.07	3.30	1.24	0.01	0.03	0.51	0.53	0.03	0.14	0.16	—	1,895	1,895	0.12	0.28	1.81	1,982
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.24	3.35	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	760	760	0.01	0.03	1.19	770
Vendor	0.04	0.01	0.60	0.23	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	314	314	0.02	0.05	0.30	328
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	53.8	53.8	< 0.005	< 0.005	—	54.0
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.91	8.91	< 0.005	< 0.005	—	8.94
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.58	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.32	5.32	< 0.005	< 0.005	0.01	5.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.88	0.88	< 0.005	< 0.005	< 0.005	0.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	AQ-1-312	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	814	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.76	4.76	< 0.005	< 0.005	—	4.77
Architectural Coatings	—	29.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.79	0.79	< 0.005	< 0.005	—	0.79
Architectural Coatings	—	5.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.53	0.56	6.57	0.00	0.00	1.71	1.71	0.00	0.40	0.40	—	1,641	1,641	0.04	0.07	0.16	1,663
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	60.0	60.0	< 0.005	< 0.005	0.09	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.93	9.93	< 0.005	< 0.005	0.02	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2027	1/14/2027	5.00	10.0	—
Site Preparation	Site Preparation	1/15/2027	1/25/2027	5.00	7.00	—
Grading	Grading	1/26/2027	2/21/2027	5.00	19.0	—
Building Construction	Building Construction	2/22/2027	11/25/2027	5.00	199	—
Paving	Paving	11/26/2027	12/14/2027	5.00	13.0	—
Architectural Coating	Architectural Coating	12/15/2027	12/31/2027	5.00	13.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	14.3	LDA,LDT1,LDT2
Demolition	Vendor	—	8.80	HHDT,MHDT
Demolition	Hauling	8.60	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT

Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	845	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	126	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	169	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	2,282,256	760,752	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	7,404	—
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	57.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	40.0
AQ-PM	35.1
AQ-DPM	76.8
Drinking Water	78.5
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	22.2
Traffic	82.0
Effect Indicators	—
CleanUp Sites	51.3
Groundwater	82.5
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	43.8

Solid Waste	0.00
Sensitive Population	—
Asthma	89.8
Cardio-vascular	78.3
Low Birth Weights	53.5
Socioeconomic Factor Indicators	—
Education	87.3
Housing	99.3
Linguistic	93.9
Poverty	87.8
Unemployment	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	15.01347363
Employed	17.64403952
Median HI	2.065956628
Education	—
Bachelor's or higher	23.94456564
High school enrollment	100
Preschool enrollment	52.58565379
Transportation	—
Auto Access	6.351854228
Active commuting	46.04131913
Social	—

2-parent households	26.27999487
Voting	29.56499423
Neighborhood	—
Alcohol availability	31.10483767
Park access	62.08135506
Retail density	73.19389195
Supermarket access	94.25125112
Tree canopy	79.53291415
Housing	—
Homeownership	13.08866932
Housing habitability	6.108045682
Low-inc homeowner severe housing cost burden	69.52393173
Low-inc renter severe housing cost burden	0.898242012
Uncrowded housing	24.76581548
Health Outcomes	—
Insured adults	41.04965995
Arthritis	88.1
Asthma ER Admissions	8.1
High Blood Pressure	54.9
Cancer (excluding skin)	98.2
Asthma	2.1
Coronary Heart Disease	85.5
Chronic Obstructive Pulmonary Disease	29.1
Diagnosed Diabetes	48.6
Life Expectancy at Birth	3.1
Cognitively Disabled	9.6
Physically Disabled	13.7

Heart Attack ER Admissions	14.0
Mental Health Not Good	5.0
Chronic Kidney Disease	73.0
Obesity	10.1
Pedestrian Injuries	90.5
Physical Health Not Good	18.5
Stroke	51.7
Health Risk Behaviors	—
Binge Drinking	69.8
Current Smoker	1.9
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	11.1
Elderly	80.0
English Speaking	12.4
Foreign-born	65.6
Outdoor Workers	48.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	19.6
Traffic Density	77.2
Traffic Access	87.4
Other Indices	—
Hardship	92.6
Other Decision Support	—
2016 Voting	10.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	1/5th of project in 2025
Construction: Construction Phases	1/5th of project

Sac Rezone after (2028) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

3.3. Site Preparation (2028) - Unmitigated

3.5. Grading (2028) - Unmitigated

3.7. Building Construction (2028) - Unmitigated

3.9. Paving (2028) - Unmitigated

3.11. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone after (2028)
Construction Start Date	1/1/2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	1,174	Dwelling Unit	37.5	1,127,040	327,122	—	3,287	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.74	4.01	16.2	57.2	0.05	0.35	9.49	9.84	0.32	2.26	2.58	—	14,830	14,830	0.42	0.58	34.4	15,049
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.46	882	27.5	46.2	0.06	1.14	9.49	9.84	1.05	3.98	5.03	—	13,819	13,819	0.48	0.87	0.89	14,091
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.80	31.3	11.8	28.6	0.03	0.30	5.48	5.77	0.27	1.37	1.65	—	8,319	8,319	0.28	0.47	8.20	8,475
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.51	5.72	2.15	5.22	0.01	0.05	1.00	1.05	0.05	0.25	0.30	—	1,377	1,377	0.05	0.08	1.36	1,403

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2028	4.74	4.01	16.2	57.2	0.05	0.35	9.49	9.84	0.32	2.26	2.58	—	14,830	14,830	0.42	0.58	34.4	15,049
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	4.46	882	27.5	46.2	0.06	1.14	9.49	9.84	1.05	3.98	5.03	—	13,819	13,819	0.48	0.87	0.89	14,091
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.80	31.3	11.8	28.6	0.03	0.30	5.48	5.77	0.27	1.37	1.65	—	8,319	8,319	0.28	0.47	8.20	8,475
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.51	5.72	2.15	5.22	0.01	0.05	1.00	1.05	0.05	0.25	0.30	—	1,377	1,377	0.05	0.08	1.36	1,403

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.61	2.19	19.6	18.7	0.03	0.78	—	0.78	0.71	—	0.71	—	3,429	3,429	0.14	0.03	—	3,440
Demolition	—	—	—	—	—	—	0.75	0.75	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.06	0.54	0.51	< 0.005	0.02	—	0.02	0.02	—	0.02	—	93.9	93.9	< 0.005	< 0.005	—	94.3
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.6	15.6	< 0.005	< 0.005	—	15.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.55	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.05	0.41	< 0.005	0.01	0.16	0.17	0.01	0.04	0.06	—	592	592	0.05	0.09	0.03	621
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.01	4.01	< 0.005	< 0.005	0.01	4.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.67
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.69	2.69	< 0.005	< 0.005	< 0.005	2.82

3.3. Site Preparation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.61	3.04	27.5	28.4	0.05	1.14	—	1.14	1.05	—	1.05	—	5,300	5,300	0.21	0.04	—	5,318
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.53	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.64	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.01	169
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	< 0.005	3.32
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.43	2.88	24.3	27.2	0.06	0.99	—	0.99	0.91	—	0.91	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.33	1.49	< 0.005	0.05	—	0.05	0.05	—	0.05	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	190	190	< 0.005	0.01	0.02	193
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	0.02	10.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.77	1.77	< 0.005	< 0.005	< 0.005	1.79
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.54	4.84	7.02	0.01	0.16	—	0.16	0.15	—	0.15	—	1,301	1,301	0.05	0.01	—	1,305
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.88	1.28	< 0.005	0.03	—	0.03	0.03	—	0.03	—	215	215	0.01	< 0.005	—	216
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.22	2.89	1.85	42.1	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	9,049	9,049	0.11	0.06	27.6	9,096
Vendor	0.34	0.13	5.40	2.17	0.02	0.05	0.95	1.00	0.05	0.26	0.30	—	3,383	3,383	0.21	0.51	6.82	3,547
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.94	2.60	2.48	31.0	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	8,039	8,039	0.17	0.34	0.72	8,145
Vendor	0.34	0.12	5.77	2.23	0.02	0.05	0.95	1.00	0.05	0.26	0.30	—	3,383	3,383	0.21	0.51	0.18	3,540
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.58	1.41	1.17	17.2	0.00	0.00	4.52	4.52	0.00	1.06	1.06	—	4,475	4,475	0.08	0.17	6.47	4,535
Vendor	0.18	0.07	3.08	1.19	0.01	0.03	0.51	0.53	0.03	0.14	0.16	—	1,835	1,835	0.11	0.28	1.60	1,922
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.21	3.13	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	741	741	0.01	0.03	1.07	751
Vendor	0.03	0.01	0.56	0.22	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	304	304	0.02	0.05	0.27	318
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.24	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	53.8	53.8	< 0.005	< 0.005	—	54.0
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.91	8.91	< 0.005	< 0.005	—	8.94
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.55	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.21	5.21	< 0.005	< 0.005	0.01	5.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.86	0.86	< 0.005	< 0.005	< 0.005	0.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	AQ-1-342	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.39	4.39	< 0.005	< 0.005	—	4.40
Architectural Coatings	—	29.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Architectural Coatings	—	5.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.59	0.52	0.50	6.20	0.00	0.00	1.71	1.71	0.00	0.40	0.40	—	1,608	1,608	0.03	0.07	0.14	1,629
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	54.2	54.2	< 0.005	< 0.005	0.08	55.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.98	8.98	< 0.005	< 0.005	0.01	9.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2028	1/14/2028	5.00	10.0	—
Site Preparation	Site Preparation	1/15/2028	1/25/2028	5.00	7.00	—
Grading	Grading	1/26/2028	2/22/2028	5.00	20.0	—
Building Construction	Building Construction	2/23/2028	11/26/2028	5.00	198	—
Paving	Paving	11/27/2028	12/13/2028	5.00	13.0	—
Architectural Coating	Architectural Coating	12/14/2028	12/31/2028	5.00	12.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	14.3	LDA,LDT1,LDT2
Demolition	Vendor	—	8.80	HHDT,MHDT
Demolition	Hauling	8.60	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT

Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	845	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	126	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	169	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	2,282,256	760,752	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	7,404	—
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	40.0
AQ-PM	35.1
AQ-DPM	76.8
Drinking Water	78.5
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	22.2
Traffic	82.0
Effect Indicators	—
CleanUp Sites	51.3
Groundwater	82.5
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	43.8

Solid Waste	0.00
Sensitive Population	—
Asthma	89.8
Cardio-vascular	78.3
Low Birth Weights	53.5
Socioeconomic Factor Indicators	—
Education	87.3
Housing	99.3
Linguistic	93.9
Poverty	87.8
Unemployment	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	15.01347363
Employed	17.64403952
Median HI	2.065956628
Education	—
Bachelor's or higher	23.94456564
High school enrollment	100
Preschool enrollment	52.58565379
Transportation	—
Auto Access	6.351854228
Active commuting	46.04131913
Social	—

2-parent households	26.27999487
Voting	29.56499423
Neighborhood	—
Alcohol availability	31.10483767
Park access	62.08135506
Retail density	73.19389195
Supermarket access	94.25125112
Tree canopy	79.53291415
Housing	—
Homeownership	13.08866932
Housing habitability	6.108045682
Low-inc homeowner severe housing cost burden	69.52393173
Low-inc renter severe housing cost burden	0.898242012
Uncrowded housing	24.76581548
Health Outcomes	—
Insured adults	41.04965995
Arthritis	88.1
Asthma ER Admissions	8.1
High Blood Pressure	54.9
Cancer (excluding skin)	98.2
Asthma	2.1
Coronary Heart Disease	85.5
Chronic Obstructive Pulmonary Disease	29.1
Diagnosed Diabetes	48.6
Life Expectancy at Birth	3.1
Cognitively Disabled	9.6
Physically Disabled	13.7

Heart Attack ER Admissions	14.0
Mental Health Not Good	5.0
Chronic Kidney Disease	73.0
Obesity	10.1
Pedestrian Injuries	90.5
Physical Health Not Good	18.5
Stroke	51.7
Health Risk Behaviors	—
Binge Drinking	69.8
Current Smoker	1.9
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	11.1
Elderly	80.0
English Speaking	12.4
Foreign-born	65.6
Outdoor Workers	48.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	19.6
Traffic Density	77.2
Traffic Access	87.4
Other Indices	—
Hardship	92.6
Other Decision Support	—
2016 Voting	10.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	1/5th of project in 2025
Construction: Construction Phases	1/5th of project

Sac Rezone after (2029) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2029) - Unmitigated

3.3. Site Preparation (2029) - Unmitigated

3.5. Grading (2029) - Unmitigated

3.7. Building Construction (2029) - Unmitigated

3.9. Paving (2029) - Unmitigated

3.11. Architectural Coating (2029) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone after (2029)
Construction Start Date	1/1/2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.6
Location	38.496642743017276, -121.4302236650689
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	732
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	1,174	Dwelling Unit	37.5	1,127,040	327,122	—	3,287	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.56	3.83	15.4	54.7	0.05	0.32	9.49	9.82	0.30	2.26	2.56	—	14,566	14,566	0.42	0.56	30.7	14,774
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.27	882	26.0	44.2	0.06	1.09	9.49	9.82	1.00	3.98	4.98	—	13,576	13,576	0.47	0.85	0.79	13,840
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.72	31.2	11.1	27.7	0.03	0.28	5.50	5.78	0.26	1.38	1.63	—	8,221	8,221	0.27	0.46	7.33	8,372
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.50	5.70	2.03	5.05	0.01	0.05	1.00	1.05	0.05	0.25	0.30	—	1,361	1,361	0.04	0.08	1.21	1,386

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2029	4.56	3.83	15.4	54.7	0.05	0.32	9.49	9.82	0.30	2.26	2.56	—	14,566	14,566	0.42	0.56	30.7	14,774
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.27	882	26.0	44.2	0.06	1.09	9.49	9.82	1.00	3.98	4.98	—	13,576	13,576	0.47	0.85	0.79	13,840
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	2.72	31.2	11.1	27.7	0.03	0.28	5.50	5.78	0.26	1.38	1.63	—	8,221	8,221	0.27	0.46	7.33	8,372
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.50	5.70	2.03	5.05	0.01	0.05	1.00	1.05	0.05	0.25	0.30	—	1,361	1,361	0.04	0.08	1.21	1,386

3. Construction Emissions Details

3.1. Demolition (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.55	2.14	18.6	18.5	0.03	0.74	—	0.74	0.68	—	0.68	—	3,427	3,427	0.14	0.03	—	3,439
Demolition	—	—	—	—	—	—	0.75	0.75	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.06	0.51	0.51	< 0.005	0.02	—	0.02	0.02	—	0.02	—	93.9	93.9	< 0.005	< 0.005	—	94.2
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.52	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	140	140	< 0.005	0.01	0.01	142
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.02	0.99	0.40	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	575	575	0.05	0.09	0.03	604
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.94	3.94	< 0.005	< 0.005	0.01	3.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.01	16.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.61	2.61	< 0.005	< 0.005	< 0.005	2.74

3.3. Site Preparation (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.53	2.97	25.9	28.1	0.05	1.09	—	1.09	1.00	—	1.00	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.50	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.60	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	163	163	< 0.005	0.01	0.01	166
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.22	3.22	< 0.005	< 0.005	< 0.005	3.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.53	0.53	< 0.005	< 0.005	< 0.005	0.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.32	2.79	22.7	26.9	0.06	0.92	—	0.92	0.84	—	0.84	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.25	1.47	< 0.005	0.05	—	0.05	0.05	—	0.05	—	361	361	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.8	59.8	< 0.005	< 0.005	—	60.0
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.69	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	187	187	< 0.005	0.01	0.02	189
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	0.01	10.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	< 0.005	1.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.53	4.68	7.03	0.01	0.15	—	0.15	0.14	—	0.14	—	1,307	1,307	0.05	0.01	—	1,311
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	0.85	1.28	< 0.005	0.03	—	0.03	0.03	—	0.03	—	216	216	0.01	< 0.005	—	217
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.09	2.76	1.82	39.7	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	8,886	8,886	0.11	0.06	24.8	8,931
Vendor	0.32	0.10	5.04	2.09	0.02	0.05	0.95	1.00	0.05	0.26	0.30	—	3,283	3,283	0.21	0.48	5.95	3,438
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.81	2.47	2.20	29.2	0.00	0.00	8.54	8.54	0.00	2.00	2.00	—	7,896	7,896	0.17	0.34	0.64	8,002
Vendor	0.31	0.10	5.40	2.15	0.02	0.05	0.95	1.00	0.05	0.26	0.30	—	3,283	3,283	0.21	0.48	0.15	3,433
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.54	1.35	1.01	16.3	0.00	0.00	4.55	4.55	0.00	1.06	1.06	—	4,417	4,417	0.07	0.18	5.82	4,477
Vendor	0.17	0.06	2.89	1.15	0.01	0.03	0.51	0.53	0.03	0.14	0.16	—	1,790	1,790	0.11	0.26	1.40	1,873
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.18	2.98	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	731	731	0.01	0.03	0.96	741
Vendor	0.03	0.01	0.53	0.21	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	296	296	0.02	0.04	0.23	310
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.23	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	53.8	53.8	< 0.005	< 0.005	—	54.0
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.91	8.91	< 0.005	< 0.005	—	8.94
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.52	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	140	140	< 0.005	0.01	0.01	142
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.12	5.12	< 0.005	< 0.005	0.01	5.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	AQ-1-372	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.39	4.39	< 0.005	< 0.005	—	4.40
Architectural Coatings	—	29.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
Architectural Coatings	—	5.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.49	0.44	5.83	0.00	0.00	1.71	1.71	0.00	0.40	0.40	—	1,579	1,579	0.03	0.07	0.13	1,600
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	53.3	53.3	< 0.005	< 0.005	0.07	54.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.82	8.82	< 0.005	< 0.005	0.01	8.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2029	1/14/2029	5.00	10.0	—
Site Preparation	Site Preparation	1/15/2029	1/23/2029	5.00	7.00	—
Grading	Grading	1/24/2029	2/20/2029	5.00	20.0	—
Building Construction	Building Construction	2/21/2029	11/26/2029	5.00	199	—
Paving	Paving	11/27/2029	12/13/2029	5.00	13.0	—
Architectural Coating	Architectural Coating	12/14/2029	12/31/2029	5.00	12.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	14.3	LDA,LDT1,LDT2
Demolition	Vendor	—	8.80	HHDT,MHDT
Demolition	Hauling	8.60	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT

Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	845	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	126	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	169	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	2,282,256	760,752	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	7,404	—
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2029	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	40.0
AQ-PM	35.1
AQ-DPM	76.8
Drinking Water	78.5
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	22.2
Traffic	82.0
Effect Indicators	—
CleanUp Sites	51.3
Groundwater	82.5
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	43.8

Solid Waste	0.00
Sensitive Population	—
Asthma	89.8
Cardio-vascular	78.3
Low Birth Weights	53.5
Socioeconomic Factor Indicators	—
Education	87.3
Housing	99.3
Linguistic	93.9
Poverty	87.8
Unemployment	81.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	15.01347363
Employed	17.64403952
Median HI	2.065956628
Education	—
Bachelor's or higher	23.94456564
High school enrollment	100
Preschool enrollment	52.58565379
Transportation	—
Auto Access	6.351854228
Active commuting	46.04131913
Social	—

2-parent households	26.27999487
Voting	29.56499423
Neighborhood	—
Alcohol availability	31.10483767
Park access	62.08135506
Retail density	73.19389195
Supermarket access	94.25125112
Tree canopy	79.53291415
Housing	—
Homeownership	13.08866932
Housing habitability	6.108045682
Low-inc homeowner severe housing cost burden	69.52393173
Low-inc renter severe housing cost burden	0.898242012
Uncrowded housing	24.76581548
Health Outcomes	—
Insured adults	41.04965995
Arthritis	88.1
Asthma ER Admissions	8.1
High Blood Pressure	54.9
Cancer (excluding skin)	98.2
Asthma	2.1
Coronary Heart Disease	85.5
Chronic Obstructive Pulmonary Disease	29.1
Diagnosed Diabetes	48.6
Life Expectancy at Birth	3.1
Cognitively Disabled	9.6
Physically Disabled	13.7

Heart Attack ER Admissions	14.0
Mental Health Not Good	5.0
Chronic Kidney Disease	73.0
Obesity	10.1
Pedestrian Injuries	90.5
Physical Health Not Good	18.5
Stroke	51.7
Health Risk Behaviors	—
Binge Drinking	69.8
Current Smoker	1.9
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	11.1
Elderly	80.0
English Speaking	12.4
Foreign-born	65.6
Outdoor Workers	48.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	19.6
Traffic Density	77.2
Traffic Access	87.4
Other Indices	—
Hardship	92.6
Other Decision Support	—
2016 Voting	10.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	1/5th of project in 2025
Construction: Construction Phases	1/5th of project

Sac Rezone Fair Oaks (rezoned) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

3.3. Grading (2025) - Unmitigated

3.5. Building Construction (2025) - Unmitigated

3.7. Paving (2025) - Unmitigated

3.9. Architectural Coating (2025) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Fair Oaks (rezoned)
Construction Start Date	1/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	39.2
Location	38.637469230516956, -121.32836613666706
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	619
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	37.0	Dwelling Unit	1.25	35,520	10,890	—	104	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.42	66.8	9.23	11.7	0.02	0.33	0.30	0.63	0.30	0.07	0.37	—	2,218	2,218	0.09	0.04	1.46	2,234
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.84	1.55	14.1	15.0	0.02	0.64	2.86	3.51	0.59	1.36	1.95	—	2,555	2,555	0.10	0.04	0.04	2,565
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.41	1.26	2.72	3.33	0.01	0.10	0.10	0.20	0.09	0.03	0.12	—	638	638	0.02	0.01	0.18	643
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.07	0.23	0.50	0.61	< 0.005	0.02	0.02	0.04	0.02	0.01	0.02	—	106	106	< 0.005	< 0.005	0.03	106

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	1.42	66.8	9.23	11.7	0.02	0.33	0.30	0.63	0.30	0.07	0.37	—	2,218	2,218	0.09	0.04	1.46	2,234
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.84	1.55	14.1	15.0	0.02	0.64	2.86	3.51	0.59	1.36	1.95	—	2,555	2,555	0.10	0.04	0.04	2,565
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.41	1.26	2.72	3.33	0.01	0.10	0.10	0.20	0.09	0.03	0.12	—	638	638	0.02	0.01	0.18	643
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.07	0.23	0.50	0.61	< 0.005	0.02	0.02	0.04	0.02	0.01	0.02	—	106	106	< 0.005	< 0.005	0.03	106

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.56	1.31	12.1	12.1	0.02	0.56	—	0.56	0.52	—	0.52	—	2,065	2,065	0.08	0.02	—	2,072
Dust From Material Movement	—	—	—	—	—	—	2.44	2.44	—	1.17	1.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.66	5.66	< 0.005	< 0.005	—	5.68
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.94	0.94	< 0.005	< 0.005	—	0.94
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.33	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	75.6	75.6	< 0.005	< 0.005	0.01	76.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	1.51	14.1	14.5	0.02	0.64	—	0.64	0.59	—	0.59	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.5	13.5	< 0.005	< 0.005	—	13.5
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.23	2.23	< 0.005	< 0.005	—	2.23
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	101	101	< 0.005	< 0.005	0.01	102
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.45	2.75	0.01	0.09	—	0.09	0.08	—	0.08	—	493	493	0.02	< 0.005	—	495
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	81.7	81.7	< 0.005	< 0.005	—	82.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.08	1.61	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	302	302	< 0.005	0.01	1.16	307
Vendor	0.01	< 0.005	0.21	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	114	114	0.01	0.02	0.30	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.18	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	268	268	0.01	0.01	0.03	272
Vendor	0.01	< 0.005	0.22	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	114	114	0.01	0.02	0.01	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.33	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	75.5	75.5	< 0.005	< 0.005	0.14	76.5
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.3	31.3	< 0.005	< 0.005	0.04	32.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.02	12.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.19	5.19	< 0.005	< 0.005	0.01	5.43
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.59	0.49	4.63	6.50	0.01	0.20	—	0.20	0.19	—	0.19	—	992	992	0.04	0.01	—	995
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.25	2.25	< 0.005	< 0.005	—	2.26
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.75	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	142	142	< 0.005	0.01	0.54	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.77	1.77	< 0.005	< 0.005	< 0.005	1.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	66.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.84
Architectural Coatings	—	0.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.30	0.30	< 0.005	< 0.005	—	0.30
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.32	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	60.5	60.5	< 0.005	< 0.005	0.23	61.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.75	0.75	< 0.005	< 0.005	< 0.005	0.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	AQ-1-403	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2025	1/1/2025	5.00	1.00	—
Grading	Grading	1/2/2025	1/3/2025	5.00	2.00	—
Building Construction	Building Construction	1/4/2025	5/23/2025	5.00	100	—
Paving	Paving	5/24/2025	5/30/2025	5.00	5.00	—
Architectural Coating	Architectural Coating	5/31/2025	6/6/2025	5.00	5.00	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT

Grading	—	—	—	—
Grading	Worker	10.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	26.6	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	3.96	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	5.33	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	71,928	23,976	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	0.94	0.00	—
Grading	—	—	2.00	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.1	annual days of extreme heat
Extreme Precipitation	6.45	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.69	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	59.7
AQ-PM	39.5
AQ-DPM	50.3
Drinking Water	47.8
Lead Risk Housing	54.5
Pesticides	0.00
Toxic Releases	20.9
Traffic	21.4
Effect Indicators	—
CleanUp Sites	18.7

Groundwater	78.3
Haz Waste Facilities/Generators	59.8
Impaired Water Bodies	77.3
Solid Waste	0.00
Sensitive Population	—
Asthma	88.7
Cardio-vascular	62.6
Low Birth Weights	7.38
Socioeconomic Factor Indicators	—
Education	25.1
Housing	70.2
Linguistic	37.0
Poverty	67.4
Unemployment	14.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	37.16155524
Employed	15.56525087
Median HI	23.82907738
Education	—
Bachelor's or higher	54.3308097
High school enrollment	26.62645964
Preschool enrollment	15.20595406
Transportation	—

Auto Access	28.94905685
Active commuting	46.06698319
Social	—
2-parent households	11.18952906
Voting	74.93904786
Neighborhood	—
Alcohol availability	37.77749262
Park access	30.25792378
Retail density	94.5977159
Supermarket access	42.71782369
Tree canopy	91.62068523
Housing	—
Homeownership	51.98254844
Housing habitability	41.55010907
Low-inc homeowner severe housing cost burden	37.4566919
Low-inc renter severe housing cost burden	6.73681509
Uncrowded housing	66.9190299
Health Outcomes	—
Insured adults	47.91479533
Arthritis	0.0
Asthma ER Admissions	6.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0

Life Expectancy at Birth	11.1
Cognitively Disabled	13.7
Physically Disabled	26.6
Heart Attack ER Admissions	48.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	52.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	67.0
Elderly	27.8
English Speaking	75.3
Foreign-born	10.6
Outdoor Workers	46.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	61.1
Traffic Density	59.6
Traffic Access	23.0
Other Indices	—

Hardship	64.4
Other Decision Support	—
2016 Voting	65.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	47.0
Healthy Places Index Score for Project Location (b)	30.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	no demo
Land Use	PD

Sac Rezone North Watt (rezoned) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

3.3. Grading (2025) - Unmitigated

3.5. Building Construction (2025) - Unmitigated

3.7. Building Construction (2026) - Unmitigated

3.9. Building Construction (2027) - Unmitigated

3.11. Paving (2027) - Unmitigated

3.13. Architectural Coating (2027) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone North Watt (rezoned)
Construction Start Date	1/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	39.2
Location	38.66735756395545, -121.38321539651498
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	657
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	735	Dwelling Unit	21.3	705,600	185,653	—	2,058	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.03	3.46	31.7	46.5	0.06	1.37	7.84	9.21	1.26	3.98	5.24	—	10,677	10,677	0.34	0.57	29.0	10,884
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.82	332	16.8	38.1	0.04	0.46	5.94	6.41	0.43	1.41	1.84	—	10,002	10,002	0.38	0.57	0.75	10,182
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.48	18.3	11.0	26.3	0.03	0.29	4.14	4.43	0.27	0.98	1.25	—	7,136	7,136	0.25	0.40	8.14	7,272
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.45	3.33	2.02	4.80	0.01	0.05	0.76	0.81	0.05	0.18	0.23	—	1,182	1,182	0.04	0.07	1.35	1,204

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	4.03	3.46	31.7	46.5	0.06	1.37	7.84	9.21	1.26	3.98	5.24	—	10,677	10,677	0.34	0.57	29.0	10,884
2026	3.84	3.27	15.1	44.2	0.04	0.41	5.94	6.35	0.38	1.41	1.79	—	10,514	10,514	0.33	0.56	26.4	10,714
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.82	3.20	16.8	38.1	0.04	0.46	5.94	6.41	0.43	1.41	1.84	—	10,002	10,002	0.38	0.57	0.75	10,182
2026	3.49	3.07	15.7	36.4	0.04	0.41	5.94	6.35	0.38	1.41	1.79	—	9,854	9,854	0.36	0.57	0.69	10,032
2027	3.36	332	15.0	35.0	0.04	0.37	5.94	6.31	0.34	1.41	1.76	—	9,711	9,711	0.35	0.55	0.62	9,884
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.56	1.32	8.41	14.6	0.02	0.29	2.22	2.51	0.27	0.64	0.91	—	3,681	3,681	0.13	0.17	3.59	3,738
2026	2.48	2.19	11.0	26.3	0.03	0.29	4.14	4.43	0.27	0.98	1.25	—	7,136	7,136	0.25	0.40	8.14	7,272
2027	0.13	18.3	0.68	1.43	< 0.005	0.02	0.16	0.18	0.02	0.04	0.06	—	310	310	0.01	0.01	0.27	314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.29	0.24	1.53	2.66	< 0.005	0.05	0.41	0.46	0.05	0.12	0.17	—	609	609	0.02	0.03	0.59	619
2026	0.45	0.40	2.02	4.80	0.01	0.05	0.76	0.81	0.05	0.18	0.23	—	1,182	1,182	0.04	0.07	1.35	1,204
2027	0.02	3.33	0.12	0.26	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	51.4	51.4	< 0.005	< 0.005	0.04	52.0

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	0.83	< 0.005	0.04	—	0.04	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	1.05	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	199	199	< 0.005	0.01	0.76	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.96	4.96	< 0.005	< 0.005	0.01	5.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.82	0.82	< 0.005	< 0.005	< 0.005	0.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.31	2.85	2.71	0.01	0.12	—	0.12	0.11	—	0.11	—	633	633	0.03	0.01	—	635
Dust From Material Movement	—	—	—	—	—	—	0.34	0.34	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.52	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.21	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	227	227	< 0.005	0.01	0.87	230
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	0.04	20.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	0.01	3.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.96	3.70	0.01	0.12	—	0.12	0.11	—	0.11	—	680	680	0.03	0.01	—	683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.06	0.54	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	113
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.44	2.24	1.54	31.9	0.00	0.00	5.35	5.35	0.00	1.25	1.25	—	6,007	6,007	0.09	0.21	23.1	6,096
Vendor	0.25	0.10	4.12	1.53	0.02	0.03	0.60	0.63	0.03	0.16	0.19	—	2,273	2,273	0.15	0.34	5.91	2,382
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.23	1.99	1.96	23.5	0.00	0.00	5.35	5.35	0.00	1.25	1.25	—	5,333	5,333	0.13	0.21	0.60	5,400
Vendor	0.25	0.08	4.40	1.56	0.02	0.03	0.60	0.63	0.03	0.16	0.19	—	2,272	2,272	0.15	0.34	0.15	2,376
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.57	0.49	6.81	0.00	0.00	1.48	1.48	0.00	0.35	0.35	—	1,553	1,553	0.03	0.06	2.82	1,575
Vendor	0.07	0.03	1.23	0.44	< 0.005	0.01	0.17	0.17	0.01	0.04	0.05	—	645	645	0.04	0.10	0.72	675
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.24	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	257	257	< 0.005	0.01	0.47	261
Vendor	0.01	0.01	0.22	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	107	107	0.01	0.02	0.12	112
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

AQ-1-427

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.33	2.12	1.36	29.8	0.00	0.00	5.35	5.35	0.00	1.25	1.25	—	5,890	5,890	0.08	0.20	21.0	5,973
Vendor	0.23	0.08	3.85	1.47	0.02	0.03	0.60	0.63	0.03	0.16	0.19	—	2,227	2,227	0.15	0.34	5.36	2,336
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.98	1.92	1.77	21.9	0.00	0.00	5.35	5.35	0.00	1.25	1.25	—	5,231	5,231	0.12	0.21	0.55	5,298
Vendor	0.23	0.08	4.13	1.50	0.02	0.03	0.60	0.63	0.03	0.16	0.19	—	2,226	2,226	0.15	0.33	0.14	2,329
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.40	1.36	1.11	16.0	0.00	0.00	3.72	3.72	0.00	0.87	0.87	—	3,834	3,834	0.08	0.15	6.49	3,888
Vendor	0.17	0.06	2.90	1.06	0.01	0.02	0.42	0.44	0.02	0.11	0.13	—	1,590	1,590	0.11	0.24	1.65	1,666
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.25	0.20	2.91	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	635	635	0.01	0.03	1.07	644
Vendor	0.03	0.01	0.53	0.19	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	263	263	0.02	0.04	0.27	276
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.20	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	37.5	37.5	< 0.005	< 0.005	—	37.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.21	6.21	< 0.005	< 0.005	—	6.23
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.90	1.67	1.74	20.6	0.00	0.00	5.35	5.35	0.00	1.25	1.25	—	5,138	5,138	0.12	0.21	0.50	5,205
Vendor	0.23	0.08	3.86	1.45	0.02	0.03	0.60	0.63	0.03	0.16	0.19	—	2,176	2,176	0.13	0.32	0.12	2,274
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.33	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	82.5	82.5	< 0.005	< 0.005	0.13	83.6
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.1	34.1	< 0.005	< 0.005	0.03	35.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.02	13.8
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.64	5.64	< 0.005	< 0.005	0.01	5.90
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.58	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.19	8.19	< 0.005	< 0.005	0.01	8.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.36	1.36	< 0.005	< 0.005	< 0.005	1.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	331	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	18.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	3.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.33	0.35	4.11	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,028	1,028	0.02	0.04	0.10	1,041
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	57.8	57.8	< 0.005	< 0.005	0.09	58.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.57	9.57	< 0.005	< 0.005	0.01	9.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	6/7/2025	6/20/2025	5.00	10.0	—
Grading	Grading	6/21/2025	8/8/2025	5.00	35.0	—
Building Construction	Building Construction	8/9/2025	1/8/2027	5.00	370	—
Paving	Paving	1/9/2027	2/5/2027	5.00	20.0	—
Architectural Coating	Architectural Coating	2/6/2027	3/5/2027	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2

Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	529	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	78.6	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	106	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,428,840	476,280	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	15.0	0.00	—
Grading	—	—	105	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	375	0.01	< 0.005
2026	0.00	375	0.01	< 0.005

2027	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.8	annual days of extreme heat
Extreme Precipitation	6.35	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth

Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2

Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	58.2
AQ-PM	37.4
AQ-DPM	27.5
Drinking Water	61.1
Lead Risk Housing	92.2
Pesticides	7.24
Toxic Releases	21.8
Traffic	47.0

Effect Indicators	—
CleanUp Sites	80.9
Groundwater	99.2
Haz Waste Facilities/Generators	61.6
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	93.4
Cardio-vascular	69.2
Low Birth Weights	79.4
Socioeconomic Factor Indicators	—
Education	62.9
Housing	73.4
Linguistic	39.2
Poverty	91.6
Unemployment	65.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.16296677
Employed	6.274862056
Median HI	6.672654947
Education	—
Bachelor's or higher	19.73566021
High school enrollment	12.79353266

Preschool enrollment	42.65366354
Transportation	—
Auto Access	24.89413576
Active commuting	74.06646991
Social	—
2-parent households	39.00936738
Voting	13.02450917
Neighborhood	—
Alcohol availability	41.6527653
Park access	47.42717824
Retail density	38.27794174
Supermarket access	72.19299371
Tree canopy	82.34312845
Housing	—
Homeownership	23.13614782
Housing habitability	24.91979982
Low-inc homeowner severe housing cost burden	13.20415758
Low-inc renter severe housing cost burden	43.7957141
Uncrowded housing	25.445913
Health Outcomes	—
Insured adults	37.80315668
Arthritis	0.0
Asthma ER Admissions	5.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0

Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	5.5
Cognitively Disabled	4.0
Physically Disabled	5.6
Heart Attack ER Admissions	16.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.7
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	67.6
English Speaking	43.4
Foreign-born	30.0
Outdoor Workers	48.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.3
Traffic Density	47.2

Traffic Access	66.1
Other Indices	—
Hardship	80.5
Other Decision Support	—
2016 Voting	6.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	83.0
Healthy Places Index Score for Project Location (b)	13.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	20% of total lot acreage is landscaped as in GP
Construction: Construction Phases	per demo

Sac Rezone Old Florin (rezoned) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

3.3. Grading (2027) - Unmitigated

3.5. Building Construction (2027) - Unmitigated

3.7. Building Construction (2028) - Unmitigated

3.9. Paving (2028) - Unmitigated

3.11. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Old Florin (rezoned)
Construction Start Date	3/6/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	37.8
Location	38.49656099729435, -121.39733654991514
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	774
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	777	Dwelling Unit	25.2	745,920	219,717	—	2,176	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.68	3.28	25.6	44.1	0.06	1.04	6.28	6.65	0.96	1.49	2.43	—	10,812	10,812	0.32	0.57	25.3	11,016
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.69	390	28.0	36.2	0.06	1.17	7.84	9.01	1.08	3.98	5.06	—	10,129	10,129	0.36	0.58	0.66	10,312
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.06	20.8	10.2	20.6	0.03	0.30	3.43	3.74	0.28	0.93	1.21	—	5,674	5,674	0.19	0.32	5.48	5,778
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.38	3.79	1.87	3.76	< 0.005	0.06	0.63	0.68	0.05	0.17	0.22	—	939	939	0.03	0.05	0.91	957

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2027	3.68	3.28	25.6	44.1	0.06	1.04	6.28	6.65	0.96	1.49	2.43	—	10,812	10,812	0.32	0.57	25.3	11,016
2028	3.54	2.99	13.7	42.2	0.04	0.33	6.28	6.61	0.31	1.49	1.80	—	10,626	10,626	0.31	0.39	22.8	10,774
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.69	3.11	28.0	36.2	0.06	1.17	7.84	9.01	1.08	3.98	5.06	—	10,129	10,129	0.36	0.58	0.66	10,312
2028	3.35	390	14.4	34.9	0.04	0.33	6.28	6.61	0.31	1.49	1.80	—	9,957	9,957	0.35	0.58	0.59	10,140
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.06	1.72	10.2	20.6	0.03	0.30	3.43	3.74	0.28	0.93	1.21	—	5,585	5,585	0.19	0.27	5.12	5,676
2028	1.90	20.8	8.12	20.1	0.02	0.20	3.42	3.62	0.18	0.81	0.99	—	5,674	5,674	0.19	0.32	5.48	5,778
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.38	0.31	1.87	3.76	< 0.005	0.06	0.63	0.68	0.05	0.17	0.22	—	925	925	0.03	0.05	0.85	940
2028	0.35	3.79	1.48	3.67	< 0.005	0.04	0.62	0.66	0.03	0.15	0.18	—	939	939	0.03	0.05	0.91	957

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316

Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.77	0.77	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.68	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	170	170	< 0.005	0.01	0.02	172
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.78	4.78	< 0.005	< 0.005	0.01	4.84
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	27.3	0.06	1.04	—	1.04	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	27.3	0.06	1.04	—	1.04	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621

Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.45	2.62	0.01	0.10	—	0.10	0.09	—	0.09	—	633	633	0.03	0.01	—	635
Dust From Material Movement	—	—	—	—	—	—	0.34	0.34	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.48	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	1.06	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	219	219	< 0.005	0.01	0.72	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.07	0.78	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	< 0.005	0.01	0.02	197
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	0.48	4.37	6.03	0.01	0.16	—	0.16	0.14	—	0.14	—	1,116	1,116	0.05	0.01	—	1,120
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	1.10	< 0.005	0.03	—	0.03	0.03	—	0.03	—	185	185	0.01	< 0.005	—	185
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	2.17	1.42	29.7	0.00	0.00	5.65	5.65	0.00	1.32	1.32	—	6,115	6,115	0.09	0.21	20.2	6,201
Vendor	0.25	0.08	3.82	1.50	0.02	0.03	0.63	0.66	0.03	0.17	0.20	—	2,300	2,300	0.14	0.34	5.09	2,409
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.01	1.77	1.84	21.7	0.00	0.00	5.65	5.65	0.00	1.32	1.32	—	5,432	5,432	0.12	0.23	0.52	5,502
Vendor	0.24	0.08	4.08	1.53	0.02	0.03	0.63	0.66	0.03	0.17	0.20	—	2,300	2,300	0.14	0.34	0.13	2,404
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.82	0.75	10.4	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,596	2,596	0.05	0.10	4.06	2,631
Vendor	0.11	0.04	1.87	0.70	0.01	0.02	0.29	0.30	0.02	0.08	0.09	—	1,071	1,071	0.07	0.16	1.02	1,121
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.17	0.15	0.14	1.89	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	430	430	0.01	0.02	0.67	436
Vendor	0.02	0.01	0.34	0.13	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	177	177	0.01	0.03	0.17	186
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.89	7.09	0.01	0.16	—	0.16	0.15	—	0.15	—	1,314	1,314	0.05	0.01	—	1,318
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.89	1.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	217	217	0.01	< 0.005	—	218

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.13	1.92	1.23	27.9	0.00	0.00	5.65	5.65	0.00	1.32	1.32	—	5,989	5,989	0.07	0.04	18.3	6,020
Vendor	0.23	0.08	3.57	1.44	0.02	0.03	0.63	0.66	0.03	0.17	0.20	—	2,239	2,239	0.14	0.34	4.52	2,348
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.94	1.72	1.64	20.5	0.00	0.00	5.65	5.65	0.00	1.32	1.32	—	5,320	5,320	0.11	0.23	0.47	5,391
Vendor	0.22	0.08	3.82	1.48	0.02	0.03	0.63	0.66	0.03	0.17	0.20	—	2,239	2,239	0.14	0.34	0.12	2,343
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.06	0.94	0.78	11.5	0.00	0.00	3.02	3.02	0.00	0.71	0.71	—	2,991	2,991	0.05	0.12	4.33	3,032
Vendor	0.12	0.05	2.06	0.80	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,227	1,227	0.08	0.18	1.07	1,285
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.14	2.09	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	495	495	0.01	0.02	0.72	502
Vendor	0.02	0.01	0.38	0.15	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	203	203	0.01	0.03	0.18	213
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.33	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	74.5	74.5	< 0.005	< 0.005	—	74.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.55	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.22	7.22	< 0.005	< 0.005	0.01	7.32
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.20	1.20	< 0.005	< 0.005	< 0.005	1.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	389	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.58	6.58	< 0.005	< 0.005	—	6.61
Architectural Coatings	—	19.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.09	1.09	< 0.005	< 0.005	—	1.09
Architectural Coatings	—	3.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.34	0.33	4.10	0.00	0.00	1.13	1.13	0.00	0.26	0.26	—	1,064	1,064	0.02	0.05	0.09	1,078
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	53.8	53.8	< 0.005	< 0.005	0.08	54.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.91	8.91	< 0.005	< 0.005	0.01	9.04

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	3/6/2027	3/19/2027	5.00	10.0	—
Grading	Grading	3/20/2027	5/7/2027	5.00	35.0	—
Building Construction	Building Construction	5/8/2027	10/6/2028	5.00	370	—
Paving	Paving	10/7/2028	11/1/2028	5.00	18.0	—
Architectural Coating	Architectural Coating	11/2/2028	11/27/2028	5.00	18.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT

Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	559	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	83.1	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	112	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,510,488	503,496	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	15.0	0.00	—
Grading	—	—	105	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	375	0.01	< 0.005
2028	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	48.6
AQ-PM	23.7
AQ-DPM	22.3
Drinking Water	78.8
Lead Risk Housing	41.2
Pesticides	73.8
Toxic Releases	30.3
Traffic	28.5
Effect Indicators	—
CleanUp Sites	86.5

Groundwater	88.9
Haz Waste Facilities/Generators	99.8
Impaired Water Bodies	51.2
Solid Waste	99.9
Sensitive Population	—
Asthma	50.2
Cardio-vascular	53.9
Low Birth Weights	36.4
Socioeconomic Factor Indicators	—
Education	47.5
Housing	61.9
Linguistic	43.9
Poverty	58.5
Unemployment	62.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	36.84075452
Employed	20.45425382
Median HI	23.26446811
Education	—
Bachelor's or higher	39.34300013
High school enrollment	100
Preschool enrollment	18.64493776
Transportation	—

Auto Access	37.4566919
Active commuting	70.79430258
Social	—
2-parent households	14.75683306
Voting	58.51405107
Neighborhood	—
Alcohol availability	64.62209675
Park access	12.70370846
Retail density	22.81534711
Supermarket access	13.65327858
Tree canopy	2.065956628
Housing	—
Homeownership	60.60567176
Housing habitability	41.69126139
Low-inc homeowner severe housing cost burden	38.58591043
Low-inc renter severe housing cost burden	7.737713332
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	43.96253048
Arthritis	0.0
Asthma ER Admissions	49.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0

Life Expectancy at Birth	16.0
Cognitively Disabled	21.0
Physically Disabled	7.2
Heart Attack ER Admissions	53.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	98.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	59.5
Elderly	21.1
English Speaking	31.0
Foreign-born	59.3
Outdoor Workers	28.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	91.1
Traffic Density	37.8
Traffic Access	23.0
Other Indices	—

Hardship	62.5
Other Decision Support	—
2016 Voting	63.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	70.0
Healthy Places Index Score for Project Location (b)	29.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	No demo
Land Use	landscape area = 20% of total lot acreage

Sac Rezone Main Operations (after) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Main Operations (after)
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	37.8
Location	38.550592607076084, -121.39691856340349
County	Sacramento
City	Sacramento
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	765
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	7,419	Dwelling Unit	236	7,122,240	2,051,870	—	20,773	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	195	351	134	1,574	2.82	3.95	240	244	3.79	61.0	64.8	3,516	326,844	330,360	313	12.4	675	342,564
Mit.	192	349	108	1,563	2.66	1.86	240	242	1.71	61.0	62.7	3,516	294,165	297,681	310	12.4	675	309,795
% Reduced	2%	< 0.5%	19%	1%	6%	53%	—	1%	55%	—	3%	—	10%	10%	1%	< 0.5%	—	10%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	143	300	148	993	2.57	3.76	240	244	3.65	61.0	64.7	3,516	302,484	306,000	314	13.5	67.2	317,942
Mit.	140	299	122	982	2.41	1.67	240	242	1.57	61.0	62.6	3,516	269,805	273,321	312	13.4	67.2	285,172
% Reduced	2%	1%	17%	1%	6%	55%	—	1%	57%	—	3%	—	11%	11%	1%	< 0.5%	—	10%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	162	319	137	1,216	2.51	3.80	223	227	3.67	56.6	60.3	3,516	295,662	299,178	313	12.4	307	311,001
Mit.	159	318	111	1,205	2.35	1.72	223	225	1.59	56.6	58.2	3,516	262,983	266,499	310	12.3	307	278,232
% Reduced	2%	< 0.5%	19%	1%	7%	55%	—	1%	57%	—	3%	—	11%	11%	1%	< 0.5%	—	11%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.6	58.3	25.0	222	0.46	0.69	40.7	41.4	0.67	10.3	11.0	582	48,950	49,532	51.8	2.05	50.9	51,490
Mit.	29.1	58.0	20.3	220	0.43	0.31	40.7	41.0	0.29	10.3	10.6	582	43,540	44,122	51.4	2.04	50.9	46,064
% Reduced	2%	< 0.5%	19%	1%	7%	55%	—	1%	57%	—	3%	—	11%	11%	1%	< 0.5%	—	11%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	154	142	104	1,141	2.64	1.67	240	242	1.57	61.0	62.6	—	269,501	269,501	11.2	11.0	624	273,673
Area	38.5	207	3.93	422	0.02	0.19	—	0.19	0.14	—	0.14	0.00	1,125	1,125	0.05	0.01	—	1,129
Energy	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	55,751	55,751	4.23	0.24	—	55,927
Water	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Waste	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Total	195	351	134	1,574	2.82	3.95	240	244	3.79	61.0	64.8	3,516	326,844	330,360	313	12.4	675	342,564
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	140	128	122	982	2.41	1.67	240	242	1.57	61.0	62.6	—	246,267	246,267	12.8	12.0	16.2	250,180
Area	0.00	171	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	55,751	55,751	4.23	0.24	—	55,927
Water	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Waste	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0

Total	143	300	148	993	2.57	3.76	240	244	3.65	61.0	64.7	3,516	302,484	306,000	314	13.5	67.2	317,942
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	133	122	109	916	2.33	1.59	223	224	1.49	56.6	58.1	—	238,674	238,674	11.3	10.9	256	242,466
Area	26.3	196	2.69	289	0.01	0.13	—	0.13	0.10	—	0.10	0.00	771	771	0.03	0.01	—	774
Energy	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	55,751	55,751	4.23	0.24	—	55,927
Water	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Waste	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Total	162	319	137	1,216	2.51	3.80	223	227	3.67	56.6	60.3	3,516	295,662	299,178	313	12.4	307	311,001
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	24.2	22.3	19.8	167	0.43	0.29	40.7	41.0	0.27	10.3	10.6	—	39,515	39,515	1.88	1.81	42.4	40,143
Area	4.81	35.7	0.49	52.8	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	128	128	0.01	< 0.005	—	128
Energy	0.55	0.27	4.70	2.00	0.03	0.38	—	0.38	0.38	—	0.38	—	9,230	9,230	0.70	0.04	—	9,259
Water	—	—	—	—	—	—	—	—	—	—	—	92.5	77.3	170	0.32	0.20	—	238
Waste	—	—	—	—	—	—	—	—	—	—	—	490	0.00	490	48.9	0.00	—	1,713
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.45	8.45
Total	29.6	58.3	25.0	222	0.46	0.69	40.7	41.4	0.67	10.3	11.0	582	48,950	49,532	51.8	2.05	50.9	51,490

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	154	142	104	1,141	2.64	1.67	240	242	1.57	61.0	62.6	—	269,501	269,501	11.2	11.0	624	273,673
Area	38.5	207	3.93	422	0.02	0.19	—	0.19	0.14	—	0.14	0.00	1,125	1,125	0.05	0.01	—	1,129
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	23,072	23,072	1.33	0.18	—	23,158

Water	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Waste	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Total	192	349	108	1,563	2.66	1.86	240	242	1.71	61.0	62.7	3,516	294,165	297,681	310	12.4	675	309,795
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	140	128	122	982	2.41	1.67	240	242	1.57	61.0	62.6	—	246,267	246,267	12.8	12.0	16.2	250,180
Area	0.00	171	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	23,072	23,072	1.33	0.18	—	23,158
Water	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Waste	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Total	140	299	122	982	2.41	1.67	240	242	1.57	61.0	62.6	3,516	269,805	273,321	312	13.4	67.2	285,172
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	133	122	109	916	2.33	1.59	223	224	1.49	56.6	58.1	—	238,674	238,674	11.3	10.9	256	242,466
Area	26.3	196	2.69	289	0.01	0.13	—	0.13	0.10	—	0.10	0.00	771	771	0.03	0.01	—	774
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	23,072	23,072	1.33	0.18	—	23,158
Water	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Waste	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Total	159	318	111	1,205	2.35	1.72	223	225	1.59	56.6	58.2	3,516	262,983	266,499	310	12.3	307	278,232
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	24.2	22.3	19.8	167	0.43	0.29	40.7	41.0	0.27	10.3	10.6	—	39,515	39,515	1.88	1.81	42.4	40,143
Area	4.81	35.7	0.49	52.8	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	128	128	0.01	< 0.005	—	128
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	3,820	3,820	0.22	0.03	—	3,834
Water	—	—	—	—	—	—	—	—	—	—	—	92.5	77.3	170	0.32	0.20	—	238
Waste	—	—	—	—	—	—	—	—	—	—	—	490	0.00	490	48.9	0.00	—	1,713

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.45	8.45
Total	29.1	58.0	20.3	220	0.43	0.31	40.7	41.0	0.29	10.3	10.6	582	43,540	44,122	51.4	2.04	50.9	46,064

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	154	142	104	1,141	2.64	1.67	240	242	1.57	61.0	62.6	—	269,501	269,501	11.2	11.0	624	273,673
Total	154	142	104	1,141	2.64	1.67	240	242	1.57	61.0	62.6	—	269,501	269,501	11.2	11.0	624	273,673
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	140	128	122	982	2.41	1.67	240	242	1.57	61.0	62.6	—	246,267	246,267	12.8	12.0	16.2	250,180
Total	140	128	122	982	2.41	1.67	240	242	1.57	61.0	62.6	—	246,267	246,267	12.8	12.0	16.2	250,180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	24.2	22.3	19.8	167	0.43	0.29	40.7	41.0	0.27	10.3	10.6	—	39,515	39,515	1.88	1.81	42.4	40,143
Total	24.2	22.3	19.8	167	0.43	0.29	40.7	41.0	0.27	10.3	10.6	—	39,515	39,515	1.88	1.81	42.4	40,143

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	154	142	104	1,141	2.64	1.67	240	242	1.57	61.0	62.6	—	269,501	269,501	11.2	11.0	624	273,673
Total	154	142	104	1,141	2.64	1.67	240	242	1.57	61.0	62.6	—	269,501	269,501	11.2	11.0	624	273,673
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	140	128	122	982	2.41	1.67	240	242	1.57	61.0	62.6	—	246,267	246,267	12.8	12.0	16.2	250,180
Total	140	128	122	982	2.41	1.67	240	242	1.57	61.0	62.6	—	246,267	246,267	12.8	12.0	16.2	250,180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	24.2	22.3	19.8	167	0.43	0.29	40.7	41.0	0.27	10.3	10.6	—	39,515	39,515	1.88	1.81	42.4	40,143
Total	24.2	22.3	19.8	167	0.43	0.29	40.7	41.0	0.27	10.3	10.6	—	39,515	39,515	1.88	1.81	42.4	40,143

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	23,071	23,071	1.33	0.18	—	23,157
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,071	23,071	1.33	0.18	—	23,157
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	23,071	23,071	1.33	0.18	—	23,157
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,071	23,071	1.33	0.18	—	23,157
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,820	3,820	0.22	0.03	—	3,834
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,820	3,820	0.22	0.03	—	3,834

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	23,072	23,072	1.33	0.18	—	23,158
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,072	23,072	1.33	0.18	—	23,158
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	23,072	23,072	1.33	0.18	—	23,158
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,072	23,072	1.33	0.18	—	23,158
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,820	3,820	0.22	0.03	—	3,834
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,820	3,820	0.22	0.03	—	3,834

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	32,680	32,680	2.89	0.06	—	32,771
Total	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	32,680	32,680	2.89	0.06	—	32,771
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	32,680	32,680	2.89	0.06	—	32,771
Total	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	32,680	32,680	2.89	0.06	—	32,771
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.55	0.27	4.70	2.00	0.03	0.38	—	0.38	0.38	—	0.38	—	5,411	5,411	0.48	0.01	—	5,426
Total	0.55	0.27	4.70	2.00	0.03	0.38	—	0.38	0.38	—	0.38	—	5,411	5,411	0.48	0.01	—	5,426

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	152	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	18.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	38.5	36.4	3.93	422	0.02	0.19	—	0.19	0.14	—	0.14	—	1,125	1,125	0.05	0.01	—	1,129
Total	38.5	207	3.93	422	0.02	0.19	—	0.19	0.14	—	0.14	0.00	1,125	1,125	0.05	0.01	—	1,129
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	152	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	18.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	171	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	27.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.81	4.55	0.49	52.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	128	128	0.01	< 0.005	—	128

Total	4.81	35.7	0.49	52.8	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	128	128	0.01	< 0.005	—	128

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	152	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	18.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	38.5	36.4	3.93	422	0.02	0.19	—	0.19	0.14	—	0.14	—	1,125	1,125	0.05	0.01	—	1,129
Total	38.5	207	3.93	422	0.02	0.19	—	0.19	0.14	—	0.14	0.00	1,125	1,125	0.05	0.01	—	1,129
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	152	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	18.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	171	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consum Products	—	27.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.81	4.55	0.49	52.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	128	128	0.01	< 0.005	—	128
Total	4.81	35.7	0.49	52.8	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	128	128	0.01	< 0.005	—	128

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Total	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Total	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	92.5	77.3	170	0.32	0.20	—	238
Total	—	—	—	—	—	—	—	—	—	—	—	92.5	77.3	170	0.32	0.20	—	238

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Total	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Total	—	—	—	—	—	—	—	—	—	—	—	559	467	1,026	1.95	1.22	—	1,439
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	92.5	77.3	170	0.32	0.20	—	238
Total	—	—	—	—	—	—	—	—	—	—	—	92.5	77.3	170	0.32	0.20	—	238

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Total	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Total	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	490	0.00	490	48.9	0.00	—	1,713
Total	—	—	—	—	—	—	—	—	—	—	—	490	0.00	490	48.9	0.00	—	1,713

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Total	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Total	—	—	—	—	—	—	—	—	—	—	—	2,957	0.00	2,957	296	0.00	—	10,344
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	490	0.00	490	48.9	0.00	—	1,713
Total	—	—	—	—	—	—	—	—	—	—	—	490	0.00	490	48.9	0.00	—	1,713

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.45	8.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.45	8.45

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.0	51.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.45	8.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.45	8.45

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	40,359	36,427	30,344	14,005,993	338,859	305,845	254,767	117,577,192

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	40,359	36,427	30,344	14,003,893	338,859	305,845	254,767	117,577,192

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	7419
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	508

Electric Fireplaces	0
No Fireplaces	7419
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
14422536	4,807,512	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Apartments Mid Rise	37,761,761	223	0.0129	0.0017	101,970,872

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	37,763,762	223	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	261,586,521	35,025,380

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	261,586,521	35,025,380

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	5,486	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	5,486	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	18.8	annual days of extreme heat
Extreme Precipitation	6.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	48.5
AQ-PM	37.5
AQ-DPM	65.4
Drinking Water	56.6
Lead Risk Housing	38.1
Pesticides	29.5
Toxic Releases	41.1
Traffic	78.6
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	28.3
Haz Waste Facilities/Generators	40.9
Impaired Water Bodies	51.2
Solid Waste	73.0

Sensitive Population	—
Asthma	87.9
Cardio-vascular	72.0
Low Birth Weights	9.08
Socioeconomic Factor Indicators	—
Education	20.9
Housing	22.7
Linguistic	21.4
Poverty	43.5
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	65.76414731
Employed	89.43924034
Median HI	66.04645194
Education	—
Bachelor's or higher	71.14076736
High school enrollment	100
Preschool enrollment	54.90825099
Transportation	—
Auto Access	28.53843193
Active commuting	72.93725138
Social	—
2-parent households	56.35827024

Voting	87.62992429
Neighborhood	—
Alcohol availability	60.41319133
Park access	81.35506224
Retail density	56.73039908
Supermarket access	55.37020403
Tree canopy	89.60605672
Housing	—
Homeownership	69.85756448
Housing habitability	79.08379315
Low-inc homeowner severe housing cost burden	69.62658796
Low-inc renter severe housing cost burden	61.37559348
Uncrowded housing	59.34813294
Health Outcomes	—
Insured adults	68.56152958
Arthritis	8.6
Asthma ER Admissions	25.7
High Blood Pressure	9.1
Cancer (excluding skin)	7.2
Asthma	46.1
Coronary Heart Disease	12.2
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	50.0
Life Expectancy at Birth	28.4
Cognitively Disabled	72.6
Physically Disabled	62.2
Heart Attack ER Admissions	23.7

Mental Health Not Good	69.9
Chronic Kidney Disease	27.1
Obesity	53.5
Pedestrian Injuries	75.4
Physical Health Not Good	59.3
Stroke	26.0
Health Risk Behaviors	—
Binge Drinking	54.2
Current Smoker	63.8
No Leisure Time for Physical Activity	73.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	41.8
Elderly	9.0
English Speaking	62.3
Foreign-born	12.8
Outdoor Workers	27.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	54.8
Traffic Density	83.9
Traffic Access	60.7
Other Indices	—
Hardship	33.4
Other Decision Support	—
2016 Voting	77.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0
Healthy Places Index Score for Project Location (b)	77.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Operations: Energy Use	...
Land Use	236 acres with 7419 units

Sac Rezone Fair Oaks Operations (rezoned) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Fair Oaks Operations (rezoned)
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	39.2
Location	38.637469230516956, -121.32836613666706
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	619
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	37.0	Dwelling Unit	1.25	35,520	10,890	—	104	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.06	1.82	0.85	10.2	0.02	0.02	1.79	1.81	0.02	0.45	0.48	17.6	2,347	2,364	1.58	0.08	4.90	2,433
Mit.	1.05	1.81	0.72	10.1	0.02	0.01	1.79	1.80	0.01	0.45	0.47	17.6	2,190	2,208	1.57	0.08	4.90	2,276
% Reduced	1%	< 0.5%	15%	1%	—	44%	—	1%	46%	—	2%	—	7%	7%	1%	—	—	6%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.80	1.56	0.95	6.62	0.02	0.02	1.79	1.81	0.02	0.45	0.48	17.6	2,167	2,185	1.59	0.09	0.37	2,252
Mit.	0.79	1.56	0.83	6.57	0.02	0.01	1.79	1.80	0.01	0.45	0.47	17.6	2,011	2,029	1.58	0.09	0.37	2,095
% Reduced	2%	< 0.5%	13%	1%	—	45%	—	1%	47%	—	2%	—	7%	7%	1%	—	—	7%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.89	1.66	0.87	7.74	0.02	0.02	1.66	1.68	0.02	0.42	0.44	17.6	2,116	2,133	1.58	0.08	2.16	2,200
Mit.	0.88	1.65	0.75	7.69	0.02	0.01	1.66	1.67	0.01	0.42	0.43	17.6	1,959	1,977	1.57	0.08	2.16	2,043
% Reduced	2%	< 0.5%	14%	1%	—	45%	—	1%	47%	—	2%	—	7%	7%	1%	—	—	7%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.16	0.30	0.16	1.41	< 0.005	< 0.005	0.30	0.31	< 0.005	0.08	0.08	2.91	350	353	0.26	0.01	0.36	364
Mit.	0.16	0.30	0.14	1.40	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	2.91	324	327	0.26	0.01	0.36	338
% Reduced	2%	< 0.5%	14%	1%	4%	45%	—	1%	47%	—	2%	—	7%	7%	1%	< 0.5%	—	7%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.86	0.78	0.70	7.99	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,990	1,990	0.07	0.08	4.65	2,019
Area	0.19	1.03	0.02	2.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	5.61	5.61	< 0.005	< 0.005	—	5.63
Energy	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	347	347	0.02	< 0.005	—	347
Water	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	1.06	1.82	0.85	10.2	0.02	0.02	1.79	1.81	0.02	0.45	0.48	17.6	2,347	2,364	1.58	0.08	4.90	2,433
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,817	1,817	0.08	0.08	0.12	1,844
Area	0.00	0.85	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	347	347	0.02	< 0.005	—	347
Water	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25

Total	0.80	1.56	0.95	6.62	0.02	0.02	1.79	1.81	0.02	0.45	0.48	17.6	2,167	2,185	1.59	0.09	0.37	2,252
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.75	0.67	0.74	6.25	0.02	0.01	1.66	1.67	0.01	0.42	0.43	—	1,761	1,761	0.07	0.07	1.91	1,788
Area	0.13	0.98	0.01	1.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.84	3.84	< 0.005	< 0.005	—	3.86
Energy	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	347	347	0.02	< 0.005	—	347
Water	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	0.89	1.66	0.87	7.74	0.02	0.02	1.66	1.68	0.02	0.42	0.44	17.6	2,116	2,133	1.58	0.08	2.16	2,200
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	292	292	0.01	0.01	0.32	296
Area	0.02	0.18	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.64	0.64	< 0.005	< 0.005	—	0.64
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.4	57.4	< 0.005	< 0.005	—	57.5
Water	—	—	—	—	—	—	—	—	—	—	—	0.46	0.65	1.11	< 0.005	< 0.005	—	1.45
Waste	—	—	—	—	—	—	—	—	—	—	—	2.45	0.00	2.45	0.24	0.00	—	8.57
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	0.16	0.30	0.16	1.41	< 0.005	< 0.005	0.30	0.31	< 0.005	0.08	0.08	2.91	350	353	0.26	0.01	0.36	364

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.86	0.78	0.70	7.99	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,990	1,990	0.07	0.08	4.65	2,019
Area	0.19	1.03	0.02	2.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	5.61	5.61	< 0.005	< 0.005	—	5.63
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	190	190	0.01	< 0.005	—	191

Water	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	1.05	1.81	0.72	10.1	0.02	0.01	1.79	1.80	0.01	0.45	0.47	17.6	2,190	2,208	1.57	0.08	4.90	2,276
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,817	1,817	0.08	0.08	0.12	1,844
Area	0.00	0.85	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	190	190	0.01	< 0.005	—	191
Water	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	0.79	1.56	0.83	6.57	0.02	0.01	1.79	1.80	0.01	0.45	0.47	17.6	2,011	2,029	1.58	0.09	0.37	2,095
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.75	0.67	0.74	6.25	0.02	0.01	1.66	1.67	0.01	0.42	0.43	—	1,761	1,761	0.07	0.07	1.91	1,788
Area	0.13	0.98	0.01	1.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.84	3.84	< 0.005	< 0.005	—	3.86
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	190	190	0.01	< 0.005	—	191
Water	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	0.88	1.65	0.75	7.69	0.02	0.01	1.66	1.67	0.01	0.42	0.43	17.6	1,959	1,977	1.57	0.08	2.16	2,043
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	292	292	0.01	0.01	0.32	296
Area	0.02	0.18	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.64	0.64	< 0.005	< 0.005	—	0.64
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Water	—	—	—	—	—	—	—	—	—	—	—	0.46	0.65	1.11	< 0.005	< 0.005	—	1.45
Waste	—	—	—	—	—	—	—	—	—	—	—	2.45	0.00	2.45	0.24	0.00	—	8.57

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	0.16	0.30	0.14	1.40	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	2.91	324	327	0.26	0.01	0.36	338

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.86	0.78	0.70	7.99	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,990	1,990	0.07	0.08	4.65	2,019
Total	0.86	0.78	0.70	7.99	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,990	1,990	0.07	0.08	4.65	2,019
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,817	1,817	0.08	0.08	0.12	1,844
Total	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,817	1,817	0.08	0.08	0.12	1,844
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	292	292	0.01	0.01	0.32	296
Total	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	292	292	0.01	0.01	0.32	296

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.86	0.78	0.70	7.99	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,990	1,990	0.07	0.08	4.65	2,019
Total	0.86	0.78	0.70	7.99	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,990	1,990	0.07	0.08	4.65	2,019
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,817	1,817	0.08	0.08	0.12	1,844
Total	0.79	0.71	0.83	6.57	0.02	0.01	1.79	1.80	0.01	0.45	0.47	—	1,817	1,817	0.08	0.08	0.12	1,844
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	292	292	0.01	0.01	0.32	296
Total	0.14	0.12	0.13	1.14	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	292	292	0.01	0.01	0.32	296

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	—	189
Total	—	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	—	189
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	—	189
Total	—	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	—	189
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	31.1	31.1	< 0.005	< 0.005	—	31.2

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	190	190	0.01	< 0.005	—	191
Total	—	—	—	—	—	—	—	—	—	—	—	—	190	190	0.01	< 0.005	—	191
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	190	190	0.01	< 0.005	—	191
Total	—	—	—	—	—	—	—	—	—	—	—	—	190	190	0.01	< 0.005	—	191
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Total	—	—	—	—	—	—	—	—	—	—	—	—	31.5	31.5	< 0.005	< 0.005	—	31.6

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	159	159	0.01	< 0.005	—	159
Total	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	159	159	0.01	< 0.005	—	159
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	159	159	0.01	< 0.005	—	159
Total	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	159	159	0.01	< 0.005	—	159
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.2	26.2	< 0.005	< 0.005	—	26.3
Total	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.2	26.2	< 0.005	< 0.005	—	26.3

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.19	0.18	0.02	2.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.61	5.61	< 0.005	< 0.005	—	5.63
Total	0.19	1.03	0.02	2.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	5.61	5.61	< 0.005	< 0.005	—	5.63
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	0.85	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02	0.02	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.64	0.64	< 0.005	< 0.005	—	0.64

Total	0.02	0.18	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.64	0.64	< 0.005	< 0.005	—	0.64

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.19	0.18	0.02	2.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.61	5.61	< 0.005	< 0.005	—	5.63
Total	0.19	1.03	0.02	2.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	5.61	5.61	< 0.005	< 0.005	—	5.63
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	0.85	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consum Products	—	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02	0.02	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.64	0.64	< 0.005	< 0.005	—	0.64
Total	0.02	0.18	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.64	0.64	< 0.005	< 0.005	—	0.64

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Total	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Total	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	0.46	0.65	1.11	< 0.005	< 0.005	—	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	0.46	0.65	1.11	< 0.005	< 0.005	—	1.45

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Total	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Total	—	—	—	—	—	—	—	—	—	—	—	2.79	3.93	6.72	0.01	0.01	—	8.78
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.46	0.65	1.11	< 0.005	< 0.005	—	1.45
Total	—	—	—	—	—	—	—	—	—	—	—	0.46	0.65	1.11	< 0.005	< 0.005	—	1.45

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Total	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Total	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.45	0.00	2.45	0.24	0.00	—	8.57
Total	—	—	—	—	—	—	—	—	—	—	—	2.45	0.00	2.45	0.24	0.00	—	8.57

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Total	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Total	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.45	0.00	2.45	0.24	0.00	—	8.57
Total	—	—	—	—	—	—	—	—	—	—	—	2.45	0.00	2.45	0.24	0.00	—	8.57

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	201	182	151	69,846	2,524	2,278	1,898	875,808

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	201	182	151	69,840	2,524	2,278	1,898	875,808

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	37
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0

Electric Fireplaces	0
No Fireplaces	37
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
71928	23,976	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Apartments Mid Rise	183,165	375	0.0129	0.0017	494,615

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	185,167	375	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	1,304,583	185,892

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	1,304,583	185,892

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	27.5	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	27.5	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.1	annual days of extreme heat
Extreme Precipitation	6.45	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.69	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	59.7
AQ-PM	39.5
AQ-DPM	50.3
Drinking Water	47.8
Lead Risk Housing	54.5
Pesticides	0.00
Toxic Releases	20.9
Traffic	21.4
Effect Indicators	—
CleanUp Sites	18.7
Groundwater	78.3
Haz Waste Facilities/Generators	59.8
Impaired Water Bodies	77.3
Solid Waste	0.00

Sensitive Population	—
Asthma	88.7
Cardio-vascular	62.6
Low Birth Weights	7.38
Socioeconomic Factor Indicators	—
Education	25.1
Housing	70.2
Linguistic	37.0
Poverty	67.4
Unemployment	14.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	37.16155524
Employed	15.56525087
Median HI	23.82907738
Education	—
Bachelor's or higher	54.3308097
High school enrollment	26.62645964
Preschool enrollment	15.20595406
Transportation	—
Auto Access	28.94905685
Active commuting	46.06698319
Social	—
2-parent households	11.18952906

Voting	74.93904786
Neighborhood	—
Alcohol availability	37.77749262
Park access	30.25792378
Retail density	94.5977159
Supermarket access	42.71782369
Tree canopy	91.62068523
Housing	—
Homeownership	51.98254844
Housing habitability	41.55010907
Low-inc homeowner severe housing cost burden	37.4566919
Low-inc renter severe housing cost burden	6.73681509
Uncrowded housing	66.9190299
Health Outcomes	—
Insured adults	47.91479533
Arthritis	0.0
Asthma ER Admissions	6.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	11.1
Cognitively Disabled	13.7
Physically Disabled	26.6
Heart Attack ER Admissions	48.8

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	52.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	67.0
Elderly	27.8
English Speaking	75.3
Foreign-born	10.6
Outdoor Workers	46.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	61.1
Traffic Density	59.6
Traffic Access	23.0
Other Indices	—
Hardship	64.4
Other Decision Support	—
2016 Voting	65.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	47.0
Healthy Places Index Score for Project Location (b)	30.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	no demo
Land Use	PD

Sac Rezone North Watt Operations (rezoned) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone North Watt Operations (rezoned)
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	39.2
Location	38.66735756395545, -121.38321539651498
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	657
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	735	Dwelling Unit	21.3	705,600	185,653	—	2,058	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.4	35.6	15.4	183	0.35	0.43	30.8	31.2	0.41	7.82	8.23	348	39,874	40,223	31.2	1.47	85.1	41,527
Mit.	20.1	35.4	12.9	182	0.34	0.23	30.8	31.0	0.21	7.82	8.03	348	36,727	37,075	30.9	1.47	85.1	38,370
% Reduced	1%	< 0.5%	16%	1%	4%	47%	—	1%	49%	—	2%	—	8%	8%	1%	< 0.5%	—	8%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.2	30.5	17.2	118	0.32	0.41	30.8	31.2	0.40	7.82	8.22	348	36,779	37,127	31.3	1.60	7.13	38,394
Mit.	14.9	30.4	14.7	117	0.31	0.21	30.8	31.0	0.20	7.82	8.02	348	33,631	33,980	31.0	1.59	7.13	35,237
% Reduced	2%	< 0.5%	14%	1%	5%	49%	—	1%	50%	—	2%	—	9%	8%	1%	< 0.5%	—	8%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.1	32.4	15.8	140	0.31	0.41	28.5	28.9	0.40	7.25	7.65	348	35,895	36,244	31.2	1.47	37.9	37,499
Mit.	16.8	32.2	13.3	139	0.30	0.21	28.5	28.7	0.20	7.25	7.45	348	32,748	33,096	30.9	1.46	37.9	34,342
% Reduced	2%	< 0.5%	16%	1%	5%	49%	—	1%	50%	—	3%	—	9%	9%	1%	< 0.5%	—	8%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.11	5.91	2.88	25.6	0.06	0.08	5.21	5.28	0.07	1.32	1.40	57.7	5,943	6,001	5.16	0.24	6.27	6,208
Mit.	3.06	5.88	2.43	25.4	0.05	0.04	5.21	5.25	0.04	1.32	1.36	57.7	5,422	5,479	5.12	0.24	6.27	5,686
% Reduced	2%	< 0.5%	16%	1%	5%	49%	—	1%	50%	—	3%	—	9%	9%	1%	< 0.5%	—	8%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.3	14.9	12.5	140	0.34	0.21	30.8	31.0	0.20	7.82	8.02	—	34,345	34,345	1.31	1.33	80.0	34,854
Area	3.81	20.5	0.39	41.8	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	111	111	< 0.005	< 0.005	—	112
Energy	0.29	0.15	2.48	1.06	0.02	0.20	—	0.20	0.20	—	0.20	—	5,372	5,372	0.41	0.02	—	5,389
Water	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Waste	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Total	20.4	35.6	15.4	183	0.35	0.43	30.8	31.2	0.41	7.82	8.23	348	39,874	40,223	31.2	1.47	85.1	41,527
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.9	13.5	14.7	117	0.31	0.21	30.8	31.0	0.20	7.82	8.02	—	31,361	31,361	1.45	1.45	2.07	31,833
Area	0.00	16.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.29	0.15	2.48	1.06	0.02	0.20	—	0.20	0.20	—	0.20	—	5,372	5,372	0.41	0.02	—	5,389
Water	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Waste	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05

Total	15.2	30.5	17.2	118	0.32	0.41	30.8	31.2	0.40	7.82	8.22	348	36,779	37,127	31.3	1.60	7.13	38,394
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.2	12.8	13.1	111	0.30	0.20	28.5	28.7	0.19	7.25	7.44	—	30,401	30,401	1.30	1.32	32.8	30,861
Area	2.61	19.4	0.27	28.7	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.4	76.4	< 0.005	< 0.005	—	76.6
Energy	0.29	0.15	2.48	1.06	0.02	0.20	—	0.20	0.20	—	0.20	—	5,372	5,372	0.41	0.02	—	5,389
Water	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Waste	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Total	17.1	32.4	15.8	140	0.31	0.41	28.5	28.9	0.40	7.25	7.65	348	35,895	36,244	31.2	1.47	37.9	37,499
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36	—	5,033	5,033	0.22	0.22	5.44	5,109
Area	0.48	3.54	0.05	5.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	12.6	12.6	< 0.005	< 0.005	—	12.7
Energy	0.05	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	889	889	0.07	< 0.005	—	892
Water	—	—	—	—	—	—	—	—	—	—	—	9.17	7.61	16.8	0.03	0.02	—	23.6
Waste	—	—	—	—	—	—	—	—	—	—	—	48.5	0.00	48.5	4.85	0.00	—	170
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.84	0.84
Total	3.11	5.91	2.88	25.6	0.06	0.08	5.21	5.28	0.07	1.32	1.40	57.7	5,943	6,001	5.16	0.24	6.27	6,208

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.3	14.9	12.5	140	0.34	0.21	30.8	31.0	0.20	7.82	8.02	—	34,345	34,345	1.31	1.33	80.0	34,854
Area	3.81	20.5	0.39	41.8	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	111	111	< 0.005	< 0.005	—	112
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,224	2,224	0.13	0.02	—	2,232

Water	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Waste	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Total	20.1	35.4	12.9	182	0.34	0.23	30.8	31.0	0.21	7.82	8.03	348	36,727	37,075	30.9	1.47	85.1	38,370
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.9	13.5	14.7	117	0.31	0.21	30.8	31.0	0.20	7.82	8.02	—	31,361	31,361	1.45	1.45	2.07	31,833
Area	0.00	16.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,224	2,224	0.13	0.02	—	2,232
Water	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Waste	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Total	14.9	30.4	14.7	117	0.31	0.21	30.8	31.0	0.20	7.82	8.02	348	33,631	33,980	31.0	1.59	7.13	35,237
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.2	12.8	13.1	111	0.30	0.20	28.5	28.7	0.19	7.25	7.44	—	30,401	30,401	1.30	1.32	32.8	30,861
Area	2.61	19.4	0.27	28.7	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.4	76.4	< 0.005	< 0.005	—	76.6
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,224	2,224	0.13	0.02	—	2,232
Water	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Waste	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Total	16.8	32.2	13.3	139	0.30	0.21	28.5	28.7	0.20	7.25	7.45	348	32,748	33,096	30.9	1.46	37.9	34,342
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36	—	5,033	5,033	0.22	0.22	5.44	5,109
Area	0.48	3.54	0.05	5.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	12.6	12.6	< 0.005	< 0.005	—	12.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	368	368	0.02	< 0.005	—	370
Water	—	—	—	—	—	—	—	—	—	—	—	9.17	7.61	16.8	0.03	0.02	—	23.6
Waste	—	—	—	—	—	—	—	—	—	—	—	48.5	0.00	48.5	4.85	0.00	—	170

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.84	0.84
Total	3.06	5.88	2.43	25.4	0.05	0.04	5.21	5.25	0.04	1.32	1.36	57.7	5,422	5,479	5.12	0.24	6.27	5,686

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	16.3	14.9	12.5	140	0.34	0.21	30.8	31.0	0.20	7.82	8.02	—	34,345	34,345	1.31	1.33	80.0	34,854
Total	16.3	14.9	12.5	140	0.34	0.21	30.8	31.0	0.20	7.82	8.02	—	34,345	34,345	1.31	1.33	80.0	34,854
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	14.9	13.5	14.7	117	0.31	0.21	30.8	31.0	0.20	7.82	8.02	—	31,361	31,361	1.45	1.45	2.07	31,833
Total	14.9	13.5	14.7	117	0.31	0.21	30.8	31.0	0.20	7.82	8.02	—	31,361	31,361	1.45	1.45	2.07	31,833
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36	—	5,033	5,033	0.22	0.22	5.44	5,109
Total	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36	—	5,033	5,033	0.22	0.22	5.44	5,109

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	16.3	14.9	12.5	140	0.34	0.21	30.8	31.0	0.20	7.82	8.02	—	34,345	34,345	1.31	1.33	80.0	34,854
Total	16.3	14.9	12.5	140	0.34	0.21	30.8	31.0	0.20	7.82	8.02	—	34,345	34,345	1.31	1.33	80.0	34,854
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	14.9	13.5	14.7	117	0.31	0.21	30.8	31.0	0.20	7.82	8.02	—	31,361	31,361	1.45	1.45	2.07	31,833
Total	14.9	13.5	14.7	117	0.31	0.21	30.8	31.0	0.20	7.82	8.02	—	31,361	31,361	1.45	1.45	2.07	31,833
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36	—	5,033	5,033	0.22	0.22	5.44	5,109
Total	2.58	2.34	2.38	20.2	0.05	0.04	5.21	5.24	0.03	1.32	1.36	—	5,033	5,033	0.22	0.22	5.44	5,109

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,223	2,223	0.13	0.02	—	2,231
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,223	2,223	0.13	0.02	—	2,231
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,223	2,223	0.13	0.02	—	2,231
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,223	2,223	0.13	0.02	—	2,231
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	368	368	0.02	< 0.005	—	369
Total	—	—	—	—	—	—	—	—	—	—	—	—	368	368	0.02	< 0.005	—	369

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,224	2,224	0.13	0.02	—	2,232
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,224	2,224	0.13	0.02	—	2,232
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,224	2,224	0.13	0.02	—	2,232
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,224	2,224	0.13	0.02	—	2,232
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	368	368	0.02	< 0.005	—	370
Total	—	—	—	—	—	—	—	—	—	—	—	—	368	368	0.02	< 0.005	—	370

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.29	0.15	2.48	1.06	0.02	0.20	—	0.20	0.20	—	0.20	—	3,149	3,149	0.28	0.01	—	3,158
Total	0.29	0.15	2.48	1.06	0.02	0.20	—	0.20	0.20	—	0.20	—	3,149	3,149	0.28	0.01	—	3,158
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.29	0.15	2.48	1.06	0.02	0.20	—	0.20	0.20	—	0.20	—	3,149	3,149	0.28	0.01	—	3,158
Total	0.29	0.15	2.48	1.06	0.02	0.20	—	0.20	0.20	—	0.20	—	3,149	3,149	0.28	0.01	—	3,158
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.05	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	521	521	0.05	< 0.005	—	523
Total	0.05	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	521	521	0.05	< 0.005	—	523

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	15.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.81	3.61	0.39	41.8	< 0.005	0.02	—	0.02	0.01	—	0.01	—	111	111	< 0.005	< 0.005	—	112
Total	3.81	20.5	0.39	41.8	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	111	111	< 0.005	< 0.005	—	112
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	15.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	16.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	2.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.48	0.45	0.05	5.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.6	12.6	< 0.005	< 0.005	—	12.7

Total	0.48	3.54	0.05	5.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	12.6	12.6	< 0.005	< 0.005	—	12.7

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	15.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.81	3.61	0.39	41.8	< 0.005	0.02	—	0.02	0.01	—	0.01	—	111	111	< 0.005	< 0.005	—	112
Total	3.81	20.5	0.39	41.8	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	111	111	< 0.005	< 0.005	—	112
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	15.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	16.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consum Products	—	2.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.48	0.45	0.05	5.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.6	12.6	< 0.005	< 0.005	—	12.7
Total	0.48	3.54	0.05	5.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	12.6	12.6	< 0.005	< 0.005	—	12.7

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Total	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Total	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	9.17	7.61	16.8	0.03	0.02	—	23.6
Total	—	—	—	—	—	—	—	—	—	—	—	9.17	7.61	16.8	0.03	0.02	—	23.6

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Total	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Total	—	—	—	—	—	—	—	—	—	—	—	55.4	45.9	101	0.19	0.12	—	142
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	9.17	7.61	16.8	0.03	0.02	—	23.6
Total	—	—	—	—	—	—	—	—	—	—	—	9.17	7.61	16.8	0.03	0.02	—	23.6

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Total	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Total	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.5	0.00	48.5	4.85	0.00	—	170
Total	—	—	—	—	—	—	—	—	—	—	—	48.5	0.00	48.5	4.85	0.00	—	170

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Total	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Total	—	—	—	—	—	—	—	—	—	—	—	293	0.00	293	29.3	0.00	—	1,025
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.5	0.00	48.5	4.85	0.00	—	170
Total	—	—	—	—	—	—	—	—	—	—	—	48.5	0.00	48.5	4.85	0.00	—	170

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.84	0.84
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.84	0.84

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.84	0.84
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.84	0.84

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	3,998	3,609	3,006	1,387,365	43,437	39,205	32,657	15,071,676

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	3,998	3,609	3,006	1,387,365	43,437	39,205	32,657	15,071,676

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	735
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	594

Electric Fireplaces	0
No Fireplaces	735
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1428840	476,280	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Apartments Mid Rise	3,638,555	223	0.0129	0.0017	9,825,458

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	3,640,556	223	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	25,915,365	3,169,087

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	25,915,365	3,169,087

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	544	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	544	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.8	annual days of extreme heat
Extreme Precipitation	6.35	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	58.2
AQ-PM	37.4
AQ-DPM	27.5
Drinking Water	61.1
Lead Risk Housing	92.2
Pesticides	7.24
Toxic Releases	21.8
Traffic	47.0
Effect Indicators	—
CleanUp Sites	80.9
Groundwater	99.2
Haz Waste Facilities/Generators	61.6
Impaired Water Bodies	0.00
Solid Waste	52.9

Sensitive Population	—
Asthma	93.4
Cardio-vascular	69.2
Low Birth Weights	79.4
Socioeconomic Factor Indicators	—
Education	62.9
Housing	73.4
Linguistic	39.2
Poverty	91.6
Unemployment	65.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.16296677
Employed	6.274862056
Median HI	6.672654947
Education	—
Bachelor's or higher	19.73566021
High school enrollment	12.79353266
Preschool enrollment	42.65366354
Transportation	—
Auto Access	24.89413576
Active commuting	74.06646991
Social	—
2-parent households	39.00936738

Voting	13.02450917
Neighborhood	—
Alcohol availability	41.6527653
Park access	47.42717824
Retail density	38.27794174
Supermarket access	72.19299371
Tree canopy	82.34312845
Housing	—
Homeownership	23.13614782
Housing habitability	24.91979982
Low-inc homeowner severe housing cost burden	13.20415758
Low-inc renter severe housing cost burden	43.7957141
Uncrowded housing	25.445913
Health Outcomes	—
Insured adults	37.80315668
Arthritis	0.0
Asthma ER Admissions	5.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	5.5
Cognitively Disabled	4.0
Physically Disabled	5.6
Heart Attack ER Admissions	16.8

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.7
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	67.6
English Speaking	43.4
Foreign-born	30.0
Outdoor Workers	48.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.3
Traffic Density	47.2
Traffic Access	66.1
Other Indices	—
Hardship	80.5
Other Decision Support	—
2016 Voting	6.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	83.0
Healthy Places Index Score for Project Location (b)	13.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	20% of total lot acreage is landscaped as in GP
Construction: Construction Phases	no demo

Sac Rezone Old Florin operations (rezoned) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Old Florin operations (rezoned)
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	37.8
Location	38.49656099729435, -121.39733654991514
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	774
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	777	Dwelling Unit	25.2	745,920	219,717	—	2,176	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.8	36.3	12.7	149	0.25	0.38	21.1	21.5	0.37	5.36	5.73	368	29,637	30,005	32.7	1.16	60.2	31,228
Mit.	19.5	36.1	10.1	148	0.23	0.17	21.1	21.3	0.16	5.36	5.51	368	26,310	26,678	32.4	1.15	60.2	27,891
% Reduced	2%	< 0.5%	21%	1%	7%	56%	—	1%	58%	—	4%	—	11%	11%	1%	1%	—	11%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.3	31.0	13.9	92.5	0.23	0.36	21.1	21.5	0.35	5.36	5.71	368	27,481	27,850	32.8	1.26	6.76	29,051
Mit.	14.0	30.8	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.50	368	24,154	24,522	32.5	1.25	6.76	25,714
% Reduced	2%	< 0.5%	19%	1%	7%	59%	—	1%	60%	—	4%	—	12%	12%	1%	< 0.5%	—	11%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.4	33.0	13.0	116	0.22	0.37	19.6	19.9	0.36	4.97	5.33	368	26,888	27,256	32.7	1.16	27.8	28,445
Mit.	16.1	32.8	10.3	115	0.21	0.16	19.6	19.7	0.14	4.97	5.12	368	23,560	23,928	32.4	1.15	27.8	25,108
% Reduced	2%	< 0.5%	20%	1%	7%	58%	—	1%	60%	—	4%	—	12%	12%	1%	1%	—	12%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.99	6.02	2.37	21.1	0.04	0.07	3.57	3.64	0.06	0.91	0.97	61.0	4,452	4,513	5.41	0.19	4.61	4,709
Mit.	2.94	5.99	1.89	20.9	0.04	0.03	3.57	3.60	0.03	0.91	0.93	61.0	3,901	3,962	5.36	0.19	4.61	4,157
% Reduced	2%	< 0.5%	20%	1%	7%	58%	—	1%	60%	—	4%	—	12%	12%	1%	1%	—	12%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.50	—	23,792	23,792	1.07	1.01	54.8	24,173
Area	4.03	21.7	0.41	44.2	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	118	118	< 0.005	< 0.005	—	118
Energy	0.31	0.15	2.62	1.12	0.02	0.21	—	0.21	0.21	—	0.21	—	5,679	5,679	0.43	0.02	—	5,697
Water	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Waste	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Total	19.8	36.3	12.7	149	0.25	0.38	21.1	21.5	0.37	5.36	5.73	368	29,637	30,005	32.7	1.16	60.2	31,228
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.0	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.50	—	21,754	21,754	1.23	1.10	1.42	22,115
Area	0.00	17.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.31	0.15	2.62	1.12	0.02	0.21	—	0.21	0.21	—	0.21	—	5,679	5,679	0.43	0.02	—	5,697
Water	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Waste	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34

Total	14.3	31.0	13.9	92.5	0.23	0.36	21.1	21.5	0.35	5.36	5.71	368	27,481	27,850	32.8	1.26	6.76	29,051
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	12.3	10.1	84.4	0.21	0.14	19.6	19.7	0.13	4.97	5.11	—	21,079	21,079	1.08	1.00	22.5	21,427
Area	2.76	20.5	0.28	30.3	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	80.7	80.7	< 0.005	< 0.005	—	81.0
Energy	0.31	0.15	2.62	1.12	0.02	0.21	—	0.21	0.21	—	0.21	—	5,679	5,679	0.43	0.02	—	5,697
Water	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Waste	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Total	16.4	33.0	13.0	116	0.22	0.37	19.6	19.9	0.36	4.97	5.33	368	26,888	27,256	32.7	1.16	27.8	28,445
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.60	0.02	0.91	0.93	—	3,490	3,490	0.18	0.17	3.73	3,548
Area	0.50	3.74	0.05	5.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	13.4	13.4	< 0.005	< 0.005	—	13.4
Energy	0.06	0.03	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	—	940	940	0.07	< 0.005	—	943
Water	—	—	—	—	—	—	—	—	—	—	—	9.69	8.11	17.8	0.03	0.02	—	25.0
Waste	—	—	—	—	—	—	—	—	—	—	—	51.3	0.00	51.3	5.12	0.00	—	179
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
Total	2.99	6.02	2.37	21.1	0.04	0.07	3.57	3.64	0.06	0.91	0.97	61.0	4,452	4,513	5.41	0.19	4.61	4,709

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.50	—	23,792	23,792	1.07	1.01	54.8	24,173
Area	4.03	21.7	0.41	44.2	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	118	118	< 0.005	< 0.005	—	118
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,351	2,351	0.14	0.02	—	2,360

Water	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Waste	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Total	19.5	36.1	10.1	148	0.23	0.17	21.1	21.3	0.16	5.36	5.51	368	26,310	26,678	32.4	1.15	60.2	27,891
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.0	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.50	—	21,754	21,754	1.23	1.10	1.42	22,115
Area	0.00	17.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,351	2,351	0.14	0.02	—	2,360
Water	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Waste	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Total	14.0	30.8	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.50	368	24,154	24,522	32.5	1.25	6.76	25,714
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	12.3	10.1	84.4	0.21	0.14	19.6	19.7	0.13	4.97	5.11	—	21,079	21,079	1.08	1.00	22.5	21,427
Area	2.76	20.5	0.28	30.3	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	80.7	80.7	< 0.005	< 0.005	—	81.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,351	2,351	0.14	0.02	—	2,360
Water	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Waste	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Total	16.1	32.8	10.3	115	0.21	0.16	19.6	19.7	0.14	4.97	5.12	368	23,560	23,928	32.4	1.15	27.8	25,108
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.60	0.02	0.91	0.93	—	3,490	3,490	0.18	0.17	3.73	3,548
Area	0.50	3.74	0.05	5.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	13.4	13.4	< 0.005	< 0.005	—	13.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	389	389	0.02	< 0.005	—	391
Water	—	—	—	—	—	—	—	—	—	—	—	9.69	8.11	17.8	0.03	0.02	—	25.0
Waste	—	—	—	—	—	—	—	—	—	—	—	51.3	0.00	51.3	5.12	0.00	—	179

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
Total	2.94	5.99	1.89	20.9	0.04	0.03	3.57	3.60	0.03	0.91	0.93	61.0	3,901	3,962	5.36	0.19	4.61	4,157

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.50	—	23,792	23,792	1.07	1.01	54.8	24,173
Total	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.50	—	23,792	23,792	1.07	1.01	54.8	24,173
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	14.0	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.50	—	21,754	21,754	1.23	1.10	1.42	22,115
Total	14.0	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.50	—	21,754	21,754	1.23	1.10	1.42	22,115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.60	0.02	0.91	0.93	—	3,490	3,490	0.18	0.17	3.73	3,548
Total	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.60	0.02	0.91	0.93	—	3,490	3,490	0.18	0.17	3.73	3,548

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.50	—	23,792	23,792	1.07	1.01	54.8	24,173
Total	15.5	14.4	9.67	104	0.23	0.15	21.1	21.3	0.14	5.36	5.50	—	23,792	23,792	1.07	1.01	54.8	24,173
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	14.0	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.50	—	21,754	21,754	1.23	1.10	1.42	22,115
Total	14.0	12.9	11.3	91.4	0.21	0.15	21.1	21.3	0.14	5.36	5.50	—	21,754	21,754	1.23	1.10	1.42	22,115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.60	0.02	0.91	0.93	—	3,490	3,490	0.18	0.17	3.73	3,548
Total	2.43	2.25	1.84	15.4	0.04	0.03	3.57	3.60	0.02	0.91	0.93	—	3,490	3,490	0.18	0.17	3.73	3,548

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,350	2,350	0.14	0.02	—	2,359
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,350	2,350	0.14	0.02	—	2,359
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,350	2,350	0.14	0.02	—	2,359
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,350	2,350	0.14	0.02	—	2,359
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	389	389	0.02	< 0.005	—	391
Total	—	—	—	—	—	—	—	—	—	—	—	—	389	389	0.02	< 0.005	—	391

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,351	2,351	0.14	0.02	—	2,360
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,351	2,351	0.14	0.02	—	2,360
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,351	2,351	0.14	0.02	—	2,360
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,351	2,351	0.14	0.02	—	2,360
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	389	389	0.02	< 0.005	—	391
Total	—	—	—	—	—	—	—	—	—	—	—	—	389	389	0.02	< 0.005	—	391

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.31	0.15	2.62	1.12	0.02	0.21	—	0.21	0.21	—	0.21	—	3,329	3,329	0.29	0.01	—	3,338
Total	0.31	0.15	2.62	1.12	0.02	0.21	—	0.21	0.21	—	0.21	—	3,329	3,329	0.29	0.01	—	3,338
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.31	0.15	2.62	1.12	0.02	0.21	—	0.21	0.21	—	0.21	—	3,329	3,329	0.29	0.01	—	3,338
Total	0.31	0.15	2.62	1.12	0.02	0.21	—	0.21	0.21	—	0.21	—	3,329	3,329	0.29	0.01	—	3,338
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	0.06	0.03	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	—	551	551	0.05	< 0.005	—	553
Total	0.06	0.03	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	—	551	551	0.05	< 0.005	—	553

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.03	3.81	0.41	44.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	118	118	< 0.005	< 0.005	—	118
Total	4.03	21.7	0.41	44.2	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	118	118	< 0.005	< 0.005	—	118
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	17.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	2.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.50	0.48	0.05	5.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	—	13.4

Total	0.50	3.74	0.05	5.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	13.4	13.4	< 0.005	< 0.005	—	13.4

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.03	3.81	0.41	44.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	118	118	< 0.005	< 0.005	—	118
Total	4.03	21.7	0.41	44.2	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	118	118	< 0.005	< 0.005	—	118
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	17.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consum Products	—	2.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.50	0.48	0.05	5.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	—	13.4
Total	0.50	3.74	0.05	5.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	13.4	13.4	< 0.005	< 0.005	—	13.4

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Total	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Total	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	9.69	8.11	17.8	0.03	0.02	—	25.0
Total	—	—	—	—	—	—	—	—	—	—	—	9.69	8.11	17.8	0.03	0.02	—	25.0

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Total	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Total	—	—	—	—	—	—	—	—	—	—	—	58.5	49.0	108	0.20	0.13	—	151
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	9.69	8.11	17.8	0.03	0.02	—	25.0
Total	—	—	—	—	—	—	—	—	—	—	—	9.69	8.11	17.8	0.03	0.02	—	25.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Total	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Total	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	51.3	0.00	51.3	5.12	0.00	—	179
Total	—	—	—	—	—	—	—	—	—	—	—	51.3	0.00	51.3	5.12	0.00	—	179

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Total	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Total	—	—	—	—	—	—	—	—	—	—	—	310	0.00	310	31.0	0.00	—	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	51.3	0.00	51.3	5.12	0.00	—	179
Total	—	—	—	—	—	—	—	—	—	—	—	51.3	0.00	51.3	5.12	0.00	—	179

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.34	5.34
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	4,227	3,815	3,178	1,466,643	29,768	26,868	22,381	10,328,814

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	4,227	3,815	3,178	1,466,643	29,768	26,868	22,381	10,328,814

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	777
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0

Electric Fireplaces	0
No Fireplaces	777
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1510488	503,496	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Apartments Mid Rise	3,846,472	223	0.0129	0.0017	10,386,912

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	3,848,473	223	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	27,396,243	3,750,558

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	27,396,243	3,750,558

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	575	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	575	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	48.6
AQ-PM	23.7
AQ-DPM	22.3
Drinking Water	78.8
Lead Risk Housing	41.2
Pesticides	73.8
Toxic Releases	30.3
Traffic	28.5
Effect Indicators	—
CleanUp Sites	86.5
Groundwater	88.9
Haz Waste Facilities/Generators	99.8
Impaired Water Bodies	51.2
Solid Waste	99.9

Sensitive Population	—
Asthma	50.2
Cardio-vascular	53.9
Low Birth Weights	36.4
Socioeconomic Factor Indicators	—
Education	47.5
Housing	61.9
Linguistic	43.9
Poverty	58.5
Unemployment	62.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	36.84075452
Employed	20.45425382
Median HI	23.26446811
Education	—
Bachelor's or higher	39.34300013
High school enrollment	100
Preschool enrollment	18.64493776
Transportation	—
Auto Access	37.4566919
Active commuting	70.79430258
Social	—
2-parent households	14.75683306

Voting	58.51405107
Neighborhood	—
Alcohol availability	64.62209675
Park access	12.70370846
Retail density	22.81534711
Supermarket access	13.65327858
Tree canopy	2.065956628
Housing	—
Homeownership	60.60567176
Housing habitability	41.69126139
Low-inc homeowner severe housing cost burden	38.58591043
Low-inc renter severe housing cost burden	7.737713332
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	43.96253048
Arthritis	0.0
Asthma ER Admissions	49.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	16.0
Cognitively Disabled	21.0
Physically Disabled	7.2
Heart Attack ER Admissions	53.7

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	98.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	59.5
Elderly	21.1
English Speaking	31.0
Foreign-born	59.3
Outdoor Workers	28.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	91.1
Traffic Density	37.8
Traffic Access	23.0
Other Indices	—
Hardship	62.5
Other Decision Support	—
2016 Voting	63.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	70.0
Healthy Places Index Score for Project Location (b)	29.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	No demo
Land Use	landscape area = 20% of total lot acreage

Sac Rezone before (2025) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

3.3. Grading (2025) - Unmitigated

3.5. Building Construction (2025) - Unmitigated

3.7. Paving (2025) - Unmitigated

3.9. Architectural Coating (2025) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone before (2025)
Construction Start Date	1/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.4
Location	38.496993247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	461	Dwelling Unit	37.5	488,660	327,122	—	1,291	—

AQ-1-653

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.03	2.59	14.0	34.0	0.03	0.45	3.73	4.18	0.42	0.89	1.30	—	7,591	7,591	0.25	0.36	18.2	7,724
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.01	328	31.7	31.0	0.06	1.37	7.84	9.21	1.26	3.98	5.24	—	7,167	7,167	0.27	0.36	0.47	7,283
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.98	14.2	10.6	19.2	0.02	0.36	2.44	2.81	0.34	0.65	0.99	—	4,668	4,668	0.17	0.21	4.51	4,740
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.36	2.60	1.94	3.50	< 0.005	0.07	0.45	0.51	0.06	0.12	0.18	—	773	773	0.03	0.04	0.75	785

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	3.03	2.59	14.0	34.0	0.03	0.45	3.73	4.18	0.42	0.89	1.30	—	7,591	7,591	0.25	0.36	18.2	7,724
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.01	328	31.7	31.0	0.06	1.37	7.84	9.21	1.26	3.98	5.24	—	7,167	7,167	0.27	0.36	0.47	7,283
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.98	14.2	10.6	19.2	0.02	0.36	2.44	2.81	0.34	0.65	0.99	—	4,668	4,668	0.17	0.21	4.51	4,740
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.36	2.60	1.94	3.50	< 0.005	0.07	0.45	0.51	0.06	0.12	0.18	—	773	773	0.03	0.04	0.75	785

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.61	0.58	< 0.005	0.03	—	0.03	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.78	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	176	176	< 0.005	0.01	0.02	179
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.47	3.47	< 0.005	< 0.005	0.01	3.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.63	1.55	< 0.005	0.07	—	0.07	0.06	—	0.06	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	0.89	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	202	202	< 0.005	0.01	0.02	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.88	1.88	< 0.005	< 0.005	< 0.005	1.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.64	5.89	7.36	0.01	0.24	—	0.24	0.22	—	0.22	—	1,353	1,353	0.05	0.01	—	1,358
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.08	1.34	< 0.005	0.04	—	0.04	0.04	—	0.04	—	224	224	0.01	< 0.005	—	225
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	1.40	0.97	20.0	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,768	3,768	0.06	0.13	14.5	3,824
Vendor	0.16	0.06	2.58	0.96	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,425	1,425	0.09	0.21	3.71	1,494
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.40	1.25	1.23	14.7	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,345	3,345	0.08	0.13	0.38	3,387
Vendor	0.15	0.05	2.76	0.98	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,425	1,425	0.09	0.21	0.10	1,490
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.71	0.62	8.49	0.00	0.00	1.85	1.85	0.00	0.43	0.43	—	1,937	1,937	0.04	0.08	3.52	1,964
Vendor	0.09	0.03	1.53	0.54	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	804	804	0.05	0.12	0.90	842
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.11	1.55	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	321	321	0.01	0.01	0.58	325
Vendor	0.02	0.01	0.28	0.10	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	133	133	0.01	0.02	0.15	139
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.0	58.0	< 0.005	< 0.005	—	58.2
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.60	9.60	< 0.005	< 0.005	—	9.63
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.67	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	151	151	< 0.005	0.01	0.02	153
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.95	5.95	< 0.005	< 0.005	0.01	6.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.99	0.99	< 0.005	< 0.005	< 0.005	1.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	328	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.12	5.12	< 0.005	< 0.005	—	5.14
Architectural Coatings	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.85	0.85	< 0.005	< 0.005	—	0.85
Architectural Coatings	—	2.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.25	2.95	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	669	669	0.02	0.03	0.08	677
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.3	26.3	< 0.005	< 0.005	0.05	26.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.36	4.36	< 0.005	< 0.005	0.01	4.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	AQ-1-664	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2025	1/9/2025	5.00	7.00	—
Grading	Grading	1/10/2025	2/6/2025	5.00	20.0	—
Building Construction	Building Construction	2/7/2025	11/21/2025	5.00	206	—
Paving	Paving	11/22/2025	12/11/2025	5.00	14.0	—
Architectural Coating	Architectural Coating	12/12/2025	12/31/2025	5.00	14.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37

Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2

Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	332	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	49.3	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	989,537	329,846	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	42.6
AQ-PM	34.0
AQ-DPM	24.2
Drinking Water	87.7
Lead Risk Housing	46.5
Pesticides	0.00
Toxic Releases	22.0
Traffic	61.2
Effect Indicators	—
CleanUp Sites	40.8
Groundwater	55.3
Haz Waste Facilities/Generators	30.2
Impaired Water Bodies	43.8
Solid Waste	39.0

Sensitive Population	—
Asthma	91.3
Cardio-vascular	90.3
Low Birth Weights	79.8
Socioeconomic Factor Indicators	—
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployment	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	9.072244322
Employed	15.56525087
Median HI	12.4085718
Education	—
Bachelor's or higher	17.50288721
High school enrollment	14.67984088
Preschool enrollment	74.27178237
Transportation	—
Auto Access	16.95110997
Active commuting	49.83959964
Social	—
2-parent households	10.38111125

Voting	30.89952521
Neighborhood	—
Alcohol availability	49.8652637
Park access	57.48748877
Retail density	47.01655332
Supermarket access	29.53933017
Tree canopy	84.60156551
Housing	—
Homeownership	30.16809958
Housing habitability	28.23046324
Low-inc homeowner severe housing cost burden	26.71628384
Low-inc renter severe housing cost burden	30.95085333
Uncrowded housing	20.03079687
Health Outcomes	—
Insured adults	19.91530861
Arthritis	12.5
Asthma ER Admissions	10.3
High Blood Pressure	6.0
Cancer (excluding skin)	49.7
Asthma	8.7
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	5.0
Diagnosed Diabetes	10.1
Life Expectancy at Birth	9.0
Cognitively Disabled	18.3
Physically Disabled	43.7
Heart Attack ER Admissions	11.0

Mental Health Not Good	15.9
Chronic Kidney Disease	10.6
Obesity	23.4
Pedestrian Injuries	55.0
Physical Health Not Good	14.4
Stroke	6.5
Health Risk Behaviors	—
Binge Drinking	94.4
Current Smoker	5.6
No Leisure Time for Physical Activity	13.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	41.8
Elderly	68.4
English Speaking	12.5
Foreign-born	70.1
Outdoor Workers	4.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	47.0
Traffic Density	45.1
Traffic Access	59.8
Other Indices	—
Hardship	90.6
Other Decision Support	—
2016 Voting	14.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	13.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	20 percent of total before rezone
Construction: Construction Phases	1/5 of total project

Sac Rezone before (2026) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

3.3. Grading (2026) - Unmitigated

3.5. Building Construction (2026) - Unmitigated

3.7. Paving (2026) - Unmitigated

3.9. Architectural Coating (2026) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone before (2026)
Construction Start Date	1/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.4
Location	38.496993247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	461	Dwelling Unit	37.5	488,660	327,122	—	1,291	—

AQ-1-681

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.89	2.45	13.1	32.6	0.03	0.40	3.73	4.12	0.37	0.89	1.25	—	7,488	7,488	0.24	0.36	16.6	7,617
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.81	328	29.2	29.5	0.06	1.24	7.84	9.09	1.14	3.98	5.12	—	7,074	7,074	0.27	0.36	0.43	7,189
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.82	14.2	9.92	18.4	0.02	0.32	2.44	2.77	0.30	0.65	0.95	—	4,613	4,613	0.17	0.21	4.11	4,685
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.33	2.58	1.81	3.37	< 0.005	0.06	0.45	0.51	0.05	0.12	0.17	—	764	764	0.03	0.03	0.68	776

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	2.89	2.45	13.1	32.6	0.03	0.40	3.73	4.12	0.37	0.89	1.25	—	7,488	7,488	0.24	0.36	16.6	7,617
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.81	328	29.2	29.5	0.06	1.24	7.84	9.09	1.14	3.98	5.12	—	7,074	7,074	0.27	0.36	0.43	7,189
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.82	14.2	9.92	18.4	0.02	0.32	2.44	2.77	0.30	0.65	0.95	—	4,613	4,613	0.17	0.21	4.11	4,685
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.33	2.58	1.81	3.37	< 0.005	0.06	0.45	0.51	0.05	0.12	0.17	—	764	764	0.03	0.03	0.68	776

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.56	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.73	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	173	173	< 0.005	0.01	0.02	175
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.40	3.40	< 0.005	< 0.005	0.01	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.49	1.51	< 0.005	0.06	—	0.06	0.06	—	0.06	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.07	0.83	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	198	198	< 0.005	0.01	0.02	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.84	1.84	< 0.005	< 0.005	< 0.005	1.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.60	5.56	7.32	0.01	0.21	—	0.21	0.20	—	0.20	—	1,353	1,353	0.05	0.01	—	1,358
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.01	1.34	< 0.005	0.04	—	0.04	0.04	—	0.04	—	224	224	0.01	< 0.005	—	225
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.46	1.33	0.85	18.7	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,694	3,694	0.05	0.13	13.2	3,746
Vendor	0.15	0.05	2.42	0.92	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,397	1,397	0.09	0.21	3.36	1,465
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.24	1.20	1.11	13.8	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,281	3,281	0.07	0.13	0.34	3,323
Vendor	0.14	0.05	2.59	0.94	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,396	1,396	0.09	0.21	0.09	1,461
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.69	0.68	0.55	7.91	0.00	0.00	1.85	1.85	0.00	0.43	0.43	—	1,900	1,900	0.04	0.08	3.22	1,927
Vendor	0.08	0.03	1.44	0.53	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	788	788	0.05	0.12	0.82	826
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.10	1.44	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	315	315	0.01	0.01	0.53	319
Vendor	0.01	0.01	0.26	0.10	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	130	130	0.01	0.02	0.14	137
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	57.9	57.9	< 0.005	< 0.005	—	58.1
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.59	9.59	< 0.005	< 0.005	—	9.63
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.62	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	148	148	< 0.005	0.01	0.02	150
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.84	5.84	< 0.005	< 0.005	0.01	5.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.97	0.97	< 0.005	< 0.005	< 0.005	0.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	328	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.12	5.12	< 0.005	< 0.005	—	5.14
Architectural Coatings	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.85	0.85	< 0.005	< 0.005	—	0.85
Architectural Coatings	—	2.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.22	2.75	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	656	656	0.01	0.03	0.07	665
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.8	25.8	< 0.005	< 0.005	0.04	26.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.28	4.28	< 0.005	< 0.005	0.01	4.34
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	AQ-1-692	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2026	1/9/2026	5.00	7.00	—
Grading	Grading	1/10/2026	2/6/2026	5.00	20.0	—
Building Construction	Building Construction	2/7/2026	11/23/2026	5.00	206	—
Paving	Paving	11/24/2026	12/11/2026	5.00	14.0	—
Architectural Coating	Architectural Coating	12/12/2026	12/31/2026	5.00	14.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37

Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2

Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	332	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	49.3	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	989,537	329,846	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	42.6
AQ-PM	34.0
AQ-DPM	24.2
Drinking Water	87.7
Lead Risk Housing	46.5
Pesticides	0.00
Toxic Releases	22.0
Traffic	61.2
Effect Indicators	—
CleanUp Sites	40.8
Groundwater	55.3
Haz Waste Facilities/Generators	30.2
Impaired Water Bodies	43.8
Solid Waste	39.0

Sensitive Population	—
Asthma	91.3
Cardio-vascular	90.3
Low Birth Weights	79.8
Socioeconomic Factor Indicators	—
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployment	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	9.072244322
Employed	15.56525087
Median HI	12.4085718
Education	—
Bachelor's or higher	17.50288721
High school enrollment	14.67984088
Preschool enrollment	74.27178237
Transportation	—
Auto Access	16.95110997
Active commuting	49.83959964
Social	—
2-parent households	10.38111125

Voting	30.89952521
Neighborhood	—
Alcohol availability	49.8652637
Park access	57.48748877
Retail density	47.01655332
Supermarket access	29.53933017
Tree canopy	84.60156551
Housing	—
Homeownership	30.16809958
Housing habitability	28.23046324
Low-inc homeowner severe housing cost burden	26.71628384
Low-inc renter severe housing cost burden	30.95085333
Uncrowded housing	20.03079687
Health Outcomes	—
Insured adults	19.91530861
Arthritis	12.5
Asthma ER Admissions	10.3
High Blood Pressure	6.0
Cancer (excluding skin)	49.7
Asthma	8.7
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	5.0
Diagnosed Diabetes	10.1
Life Expectancy at Birth	9.0
Cognitively Disabled	18.3
Physically Disabled	43.7
Heart Attack ER Admissions	11.0

Mental Health Not Good	15.9
Chronic Kidney Disease	10.6
Obesity	23.4
Pedestrian Injuries	55.0
Physical Health Not Good	14.4
Stroke	6.5
Health Risk Behaviors	—
Binge Drinking	94.4
Current Smoker	5.6
No Leisure Time for Physical Activity	13.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	41.8
Elderly	68.4
English Speaking	12.5
Foreign-born	70.1
Outdoor Workers	4.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	47.0
Traffic Density	45.1
Traffic Access	59.8
Other Indices	—
Hardship	90.6
Other Decision Support	—
2016 Voting	14.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	13.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	one fifth of total project
Construction: Construction Phases	1/5 of total project

Sac Rezone before (2027) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

3.3. Grading (2027) - Unmitigated

3.5. Building Construction (2027) - Unmitigated

3.7. Paving (2027) - Unmitigated

3.9. Architectural Coating (2027) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone before (2027)
Construction Start Date	1/1/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.4
Location	38.496993247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	461	Dwelling Unit	37.5	488,660	327,122	—	1,291	—

AQ-1-709

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.68	2.37	12.5	31.4	0.03	0.36	3.73	4.08	0.33	0.89	1.22	—	7,390	7,390	0.23	0.35	15.0	7,514
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.69	328	28.0	29.0	0.06	1.17	7.84	9.01	1.08	3.98	5.06	—	6,984	6,984	0.27	0.35	0.39	7,096
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.76	14.0	9.43	17.9	0.02	0.29	2.44	2.74	0.27	0.65	0.92	—	4,561	4,561	0.16	0.20	3.73	4,629
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.32	2.56	1.72	3.27	< 0.005	0.05	0.45	0.50	0.05	0.12	0.17	—	755	755	0.03	0.03	0.62	766

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2027	2.68	2.37	12.5	31.4	0.03	0.36	3.73	4.08	0.33	0.89	1.22	—	7,390	7,390	0.23	0.35	15.0	7,514
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.69	328	28.0	29.0	0.06	1.17	7.84	9.01	1.08	3.98	5.06	—	6,984	6,984	0.27	0.35	0.39	7,096
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.76	14.0	9.43	17.9	0.02	0.29	2.44	2.74	0.27	0.65	0.92	—	4,561	4,561	0.16	0.20	3.73	4,629
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.32	2.56	1.72	3.27	< 0.005	0.05	0.45	0.50	0.05	0.12	0.17	—	755	755	0.03	0.03	0.62	766

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.68	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	170	170	< 0.005	0.01	0.02	172
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.34	3.34	< 0.005	< 0.005	0.01	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.55	0.55	< 0.005	< 0.005	< 0.005	0.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	27.3	0.06	1.04	—	1.04	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.40	1.49	< 0.005	0.06	—	0.06	0.05	—	0.05	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.26	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.78	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	< 0.005	0.01	0.02	197
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.02	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.81	1.81	< 0.005	< 0.005	< 0.005	1.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.58	5.30	7.30	0.01	0.19	—	0.19	0.17	—	0.17	—	1,353	1,353	0.05	0.01	—	1,358
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.97	1.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	224	224	0.01	< 0.005	—	225
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.28	0.84	17.6	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,628	3,628	0.05	0.13	12.0	3,679
Vendor	0.15	0.05	2.27	0.89	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,365	1,365	0.08	0.20	3.02	1,430
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.19	1.05	1.09	12.9	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,223	3,223	0.07	0.13	0.31	3,265
Vendor	0.14	0.05	2.42	0.91	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,365	1,365	0.08	0.20	0.08	1,426
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.67	0.59	0.54	7.46	0.00	0.00	1.85	1.85	0.00	0.43	0.43	—	1,866	1,866	0.03	0.07	2.92	1,891
Vendor	0.08	0.03	1.34	0.50	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	770	770	0.05	0.11	0.74	806
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.10	1.36	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	309	309	0.01	0.01	0.48	313
Vendor	0.01	0.01	0.25	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	128	128	0.01	0.02	0.12	133
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.0	58.0	< 0.005	< 0.005	—	58.2
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.60	9.60	< 0.005	< 0.005	—	9.63
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.58	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.73	5.73	< 0.005	< 0.005	0.01	5.81
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.95	0.95	< 0.005	< 0.005	< 0.005	0.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	328	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.12	5.12	< 0.005	< 0.005	—	5.14
Architectural Coatings	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.85	0.85	< 0.005	< 0.005	—	0.85
Architectural Coatings	—	2.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.22	2.58	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	645	645	0.01	0.03	0.06	653
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.4	25.4	< 0.005	< 0.005	0.04	25.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.20	4.20	< 0.005	< 0.005	0.01	4.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	AQ-1-720	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2027	1/11/2027	5.00	7.00	—
Grading	Grading	1/12/2027	2/8/2027	5.00	20.0	—
Building Construction	Building Construction	2/9/2027	11/23/2027	5.00	206	—
Paving	Paving	11/24/2027	12/13/2027	5.00	14.0	—
Architectural Coating	Architectural Coating	12/14/2027	12/31/2027	5.00	14.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37

Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2

Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	332	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	49.3	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	989,537	329,846	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	42.6
AQ-PM	34.0
AQ-DPM	24.2
Drinking Water	87.7
Lead Risk Housing	46.5
Pesticides	0.00
Toxic Releases	22.0
Traffic	61.2
Effect Indicators	—
CleanUp Sites	40.8
Groundwater	55.3
Haz Waste Facilities/Generators	30.2
Impaired Water Bodies	43.8
Solid Waste	39.0

Sensitive Population	—
Asthma	91.3
Cardio-vascular	90.3
Low Birth Weights	79.8
Socioeconomic Factor Indicators	—
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployment	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	9.072244322
Employed	15.56525087
Median HI	12.4085718
Education	—
Bachelor's or higher	17.50288721
High school enrollment	14.67984088
Preschool enrollment	74.27178237
Transportation	—
Auto Access	16.95110997
Active commuting	49.83959964
Social	—
2-parent households	10.38111125

Voting	30.89952521
Neighborhood	—
Alcohol availability	49.8652637
Park access	57.48748877
Retail density	47.01655332
Supermarket access	29.53933017
Tree canopy	84.60156551
Housing	—
Homeownership	30.16809958
Housing habitability	28.23046324
Low-inc homeowner severe housing cost burden	26.71628384
Low-inc renter severe housing cost burden	30.95085333
Uncrowded housing	20.03079687
Health Outcomes	—
Insured adults	19.91530861
Arthritis	12.5
Asthma ER Admissions	10.3
High Blood Pressure	6.0
Cancer (excluding skin)	49.7
Asthma	8.7
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	5.0
Diagnosed Diabetes	10.1
Life Expectancy at Birth	9.0
Cognitively Disabled	18.3
Physically Disabled	43.7
Heart Attack ER Admissions	11.0

Mental Health Not Good	15.9
Chronic Kidney Disease	10.6
Obesity	23.4
Pedestrian Injuries	55.0
Physical Health Not Good	14.4
Stroke	6.5
Health Risk Behaviors	—
Binge Drinking	94.4
Current Smoker	5.6
No Leisure Time for Physical Activity	13.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	41.8
Elderly	68.4
English Speaking	12.5
Foreign-born	70.1
Outdoor Workers	4.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	47.0
Traffic Density	45.1
Traffic Access	59.8
Other Indices	—
Hardship	90.6
Other Decision Support	—
2016 Voting	14.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	13.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	fifth of total project
Construction: Construction Phases	1/5 of total project

Sac Rezone before (2028) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2028) - Unmitigated

3.3. Grading (2028) - Unmitigated

3.5. Building Construction (2028) - Unmitigated

3.7. Paving (2028) - Unmitigated

3.9. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone before (2028)
Construction Start Date	1/1/2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.4
Location	38.496993247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	461	Dwelling Unit	37.5	488,660	327,122	—	1,291	—

AQ-1-737

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.58	2.18	11.8	30.3	0.03	0.32	3.73	4.05	0.30	0.89	1.18	—	7,279	7,279	0.22	0.24	13.5	7,370
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.67	353	27.5	29.0	0.06	1.14	7.84	8.99	1.05	3.98	5.03	—	6,882	6,882	0.27	0.35	0.35	6,994
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.70	14.0	8.93	17.4	0.02	0.27	2.44	2.71	0.25	0.65	0.90	—	4,500	4,500	0.16	0.20	3.36	4,567
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.31	2.55	1.63	3.18	< 0.005	0.05	0.45	0.49	0.04	0.12	0.16	—	745	745	0.03	0.03	0.56	756

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2028	2.58	2.18	11.8	30.3	0.03	0.32	3.73	4.05	0.30	0.89	1.18	—	7,279	7,279	0.22	0.24	13.5	7,370
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	3.67	353	27.5	29.0	0.06	1.14	7.84	8.99	1.05	3.98	5.03	—	6,882	6,882	0.27	0.35	0.35	6,994
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.70	14.0	8.93	17.4	0.02	0.27	2.44	2.71	0.25	0.65	0.90	—	4,500	4,500	0.16	0.20	3.36	4,567
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.31	2.55	1.63	3.18	< 0.005	0.05	0.45	0.49	0.04	0.12	0.16	—	745	745	0.03	0.03	0.56	756

3. Construction Emissions Details

3.1. Site Preparation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.61	3.04	27.5	28.4	0.05	1.14	—	1.14	1.05	—	1.05	—	5,300	5,300	0.21	0.04	—	5,318
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.53	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.64	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.01	169
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	< 0.005	3.32
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.54	0.54	< 0.005	< 0.005	< 0.005	0.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.43	2.88	24.3	27.2	0.06	0.99	—	0.99	0.91	—	0.91	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.33	1.49	< 0.005	0.05	—	0.05	0.05	—	0.05	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	190	190	< 0.005	0.01	0.02	193
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	0.02	10.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.77	1.77	< 0.005	< 0.005	< 0.005	1.79
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.04	7.30	0.01	0.17	—	0.17	0.16	—	0.16	—	1,353	1,353	0.05	0.01	—	1,358
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.92	1.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	224	224	0.01	< 0.005	—	225
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.26	1.14	0.73	16.5	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,553	3,553	0.04	0.02	10.8	3,572
Vendor	0.13	0.05	2.12	0.85	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,329	1,329	0.08	0.20	2.68	1,393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.15	1.02	0.97	12.2	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,157	3,157	0.07	0.13	0.28	3,198
Vendor	0.13	0.05	2.27	0.88	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,328	1,328	0.08	0.20	0.07	1,390
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.58	0.48	7.01	0.00	0.00	1.85	1.85	0.00	0.43	0.43	—	1,828	1,828	0.03	0.07	2.64	1,853
Vendor	0.08	0.03	1.26	0.49	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	750	750	0.05	0.11	0.65	785
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.09	1.28	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	303	303	0.01	0.01	0.44	307
Vendor	0.01	0.01	0.23	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	124	124	0.01	0.02	0.11	130
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.0	58.0	< 0.005	< 0.005	—	58.2
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.60	9.60	< 0.005	< 0.005	—	9.63
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.55	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.61	5.61	< 0.005	< 0.005	0.01	5.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.93	0.93	< 0.005	< 0.005	< 0.005	0.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	353	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.76	4.76	< 0.005	< 0.005	—	4.77
Architectural Coatings	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.79	0.79	< 0.005	< 0.005	—	0.79
Architectural Coatings	—	2.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.19	2.43	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	631	631	0.01	0.03	0.06	640
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	0.03	23.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	0.01	3.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	AQ-1-748	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2028	1/11/2028	5.00	7.00	—
Grading	Grading	1/12/2028	2/8/2028	5.00	20.0	—
Building Construction	Building Construction	2/9/2028	11/22/2028	5.00	206	—
Paving	Paving	11/23/2028	12/12/2028	5.00	14.0	—
Architectural Coating	Architectural Coating	12/13/2028	12/31/2028	5.00	13.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37

Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2

Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	332	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	49.3	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	989,537	329,846	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	42.6
AQ-PM	34.0
AQ-DPM	24.2
Drinking Water	87.7
Lead Risk Housing	46.5
Pesticides	0.00
Toxic Releases	22.0
Traffic	61.2
Effect Indicators	—
CleanUp Sites	40.8
Groundwater	55.3
Haz Waste Facilities/Generators	30.2
Impaired Water Bodies	43.8
Solid Waste	39.0

Sensitive Population	—
Asthma	91.3
Cardio-vascular	90.3
Low Birth Weights	79.8
Socioeconomic Factor Indicators	—
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployment	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	9.072244322
Employed	15.56525087
Median HI	12.4085718
Education	—
Bachelor's or higher	17.50288721
High school enrollment	14.67984088
Preschool enrollment	74.27178237
Transportation	—
Auto Access	16.95110997
Active commuting	49.83959964
Social	—
2-parent households	10.38111125

Voting	30.89952521
Neighborhood	—
Alcohol availability	49.8652637
Park access	57.48748877
Retail density	47.01655332
Supermarket access	29.53933017
Tree canopy	84.60156551
Housing	—
Homeownership	30.16809958
Housing habitability	28.23046324
Low-inc homeowner severe housing cost burden	26.71628384
Low-inc renter severe housing cost burden	30.95085333
Uncrowded housing	20.03079687
Health Outcomes	—
Insured adults	19.91530861
Arthritis	12.5
Asthma ER Admissions	10.3
High Blood Pressure	6.0
Cancer (excluding skin)	49.7
Asthma	8.7
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	5.0
Diagnosed Diabetes	10.1
Life Expectancy at Birth	9.0
Cognitively Disabled	18.3
Physically Disabled	43.7
Heart Attack ER Admissions	11.0

Mental Health Not Good	15.9
Chronic Kidney Disease	10.6
Obesity	23.4
Pedestrian Injuries	55.0
Physical Health Not Good	14.4
Stroke	6.5
Health Risk Behaviors	—
Binge Drinking	94.4
Current Smoker	5.6
No Leisure Time for Physical Activity	13.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	41.8
Elderly	68.4
English Speaking	12.5
Foreign-born	70.1
Outdoor Workers	4.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	47.0
Traffic Density	45.1
Traffic Access	59.8
Other Indices	—
Hardship	90.6
Other Decision Support	—
2016 Voting	14.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	13.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	fifth of total project
Construction: Construction Phases	1/5 of total project

Sac Rezone before (2029) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2029) - Unmitigated

3.3. Grading (2029) - Unmitigated

3.5. Building Construction (2029) - Unmitigated

3.7. Paving (2029) - Unmitigated

3.9. Architectural Coating (2029) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone before (2029)
Construction Start Date	1/1/2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	36.4
Location	38.496993247768415, -121.41035190855798
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	731
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	461	Dwelling Unit	37.5	488,660	327,122	—	1,291	—

AQ-1-765

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.49	2.09	11.3	29.3	0.03	0.29	3.73	4.02	0.27	0.89	1.16	—	7,175	7,175	0.22	0.23	12.1	7,262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.59	328	26.0	28.7	0.06	1.09	7.84	8.93	1.00	3.98	4.98	—	6,786	6,786	0.27	0.34	0.31	6,895
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.65	13.9	8.46	17.0	0.02	0.25	2.44	2.69	0.23	0.65	0.88	—	4,446	4,446	0.15	0.20	2.99	4,511
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.30	2.54	1.54	3.10	< 0.005	0.05	0.45	0.49	0.04	0.12	0.16	—	736	736	0.03	0.03	0.50	747

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2029	2.49	2.09	11.3	29.3	0.03	0.29	3.73	4.02	0.27	0.89	1.16	—	7,175	7,175	0.22	0.23	12.1	7,262
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	3.59	328	26.0	28.7	0.06	1.09	7.84	8.93	1.00	3.98	4.98	—	6,786	6,786	0.27	0.34	0.31	6,895
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.65	13.9	8.46	17.0	0.02	0.25	2.44	2.69	0.23	0.65	0.88	—	4,446	4,446	0.15	0.20	2.99	4,511
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.30	2.54	1.54	3.10	< 0.005	0.05	0.45	0.49	0.04	0.12	0.16	—	736	736	0.03	0.03	0.50	747

3. Construction Emissions Details

3.1. Site Preparation (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.53	2.97	25.9	28.1	0.05	1.09	—	1.09	1.00	—	1.00	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.50	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	102
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.60	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	163	163	< 0.005	0.01	0.01	166
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.22	3.22	< 0.005	< 0.005	< 0.005	3.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.53	0.53	< 0.005	< 0.005	< 0.005	0.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.32	2.79	22.7	26.9	0.06	0.92	—	0.92	0.84	—	0.84	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.25	1.47	< 0.005	0.05	—	0.05	0.05	—	0.05	—	361	361	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.8	59.8	< 0.005	< 0.005	—	60.0
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.69	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	187	187	< 0.005	0.01	0.02	189
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	0.01	10.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	< 0.005	1.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.84	7.28	0.01	0.16	—	0.16	0.14	—	0.14	—	1,353	1,353	0.05	0.01	—	1,357
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.88	1.33	< 0.005	0.03	—	0.03	0.03	—	0.03	—	224	224	0.01	< 0.005	—	225
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.21	1.09	0.71	15.6	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,489	3,489	0.04	0.02	9.73	3,507
Vendor	0.13	0.04	1.98	0.82	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,289	1,289	0.08	0.19	2.34	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.10	0.97	0.86	11.4	0.00	0.00	3.35	3.35	0.00	0.79	0.79	—	3,101	3,101	0.07	0.13	0.25	3,142
Vendor	0.12	0.04	2.12	0.84	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,289	1,289	0.08	0.19	0.06	1,348
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.55	0.41	6.63	0.00	0.00	1.85	1.85	0.00	0.43	0.43	—	1,796	1,796	0.03	0.07	2.36	1,820
Vendor	0.07	0.02	1.18	0.47	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	728	728	0.05	0.11	0.57	761
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.07	1.21	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	297	297	< 0.005	0.01	0.39	301
Vendor	0.01	< 0.005	0.21	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	120	120	0.01	0.02	0.09	126
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	57.9	57.9	< 0.005	< 0.005	—	58.1
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.59	9.59	< 0.005	< 0.005	—	9.63
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.52	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	140	140	< 0.005	0.01	0.01	142
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.51	5.51	< 0.005	< 0.005	0.01	5.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	328	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.12	5.12	< 0.005	< 0.005	—	5.14
Architectural Coatings	—	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.85	0.85	< 0.005	< 0.005	—	0.85
Architectural Coatings	—	2.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.17	2.29	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	620	620	0.01	0.03	0.05	628
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.4	24.4	< 0.005	< 0.005	0.03	24.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.04	4.04	< 0.005	< 0.005	0.01	4.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	AQ-1-776	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2029	1/9/2029	5.00	7.00	—
Grading	Grading	1/10/2029	2/6/2029	5.00	20.0	—
Building Construction	Building Construction	2/7/2029	11/21/2029	5.00	206	—
Paving	Paving	11/22/2029	12/11/2029	5.00	14.0	—
Architectural Coating	Architectural Coating	12/12/2029	12/31/2029	5.00	14.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37

Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2

Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	332	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	49.3	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	66.4	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	989,537	329,846	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	10.5	0.00	—
Grading	—	—	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2029	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	42.6
AQ-PM	34.0
AQ-DPM	24.2
Drinking Water	87.7
Lead Risk Housing	46.5
Pesticides	0.00
Toxic Releases	22.0
Traffic	61.2
Effect Indicators	—
CleanUp Sites	40.8
Groundwater	55.3
Haz Waste Facilities/Generators	30.2
Impaired Water Bodies	43.8
Solid Waste	39.0

Sensitive Population	—
Asthma	91.3
Cardio-vascular	90.3
Low Birth Weights	79.8
Socioeconomic Factor Indicators	—
Education	75.7
Housing	77.6
Linguistic	77.4
Poverty	89.5
Unemployment	95.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	9.072244322
Employed	15.56525087
Median HI	12.4085718
Education	—
Bachelor's or higher	17.50288721
High school enrollment	14.67984088
Preschool enrollment	74.27178237
Transportation	—
Auto Access	16.95110997
Active commuting	49.83959964
Social	—
2-parent households	10.38111125

Voting	30.89952521
Neighborhood	—
Alcohol availability	49.8652637
Park access	57.48748877
Retail density	47.01655332
Supermarket access	29.53933017
Tree canopy	84.60156551
Housing	—
Homeownership	30.16809958
Housing habitability	28.23046324
Low-inc homeowner severe housing cost burden	26.71628384
Low-inc renter severe housing cost burden	30.95085333
Uncrowded housing	20.03079687
Health Outcomes	—
Insured adults	19.91530861
Arthritis	12.5
Asthma ER Admissions	10.3
High Blood Pressure	6.0
Cancer (excluding skin)	49.7
Asthma	8.7
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	5.0
Diagnosed Diabetes	10.1
Life Expectancy at Birth	9.0
Cognitively Disabled	18.3
Physically Disabled	43.7
Heart Attack ER Admissions	11.0

Mental Health Not Good	15.9
Chronic Kidney Disease	10.6
Obesity	23.4
Pedestrian Injuries	55.0
Physical Health Not Good	14.4
Stroke	6.5
Health Risk Behaviors	—
Binge Drinking	94.4
Current Smoker	5.6
No Leisure Time for Physical Activity	13.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	41.8
Elderly	68.4
English Speaking	12.5
Foreign-born	70.1
Outdoor Workers	4.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	47.0
Traffic Density	45.1
Traffic Access	59.8
Other Indices	—
Hardship	90.6
Other Decision Support	—
2016 Voting	14.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	80.0
Healthy Places Index Score for Project Location (b)	13.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	fifth of total project before rezone
Construction: Construction Phases	1/5 of total project

Sac Rezone Fair Oaks (before) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

3.3. Grading (2025) - Unmitigated

3.5. Building Construction (2025) - Unmitigated

3.7. Paving (2025) - Unmitigated

3.9. Architectural Coating (2025) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Fair Oaks (before)
Construction Start Date	1/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	39.2
Location	38.637469230516956, -121.32836613666706
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	619
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	25.0	Dwelling Unit	1.25	26,500	10,890	—	70.0	—

AQ-1-793

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.37	49.9	9.14	11.2	0.02	0.33	0.20	0.53	0.30	0.05	0.35	—	2,083	2,083	0.08	0.03	0.99	2,096
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.84	1.55	14.1	15.0	0.02	0.64	2.86	3.51	0.59	1.36	1.95	—	2,555	2,555	0.10	0.03	0.03	2,565
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.40	1.01	2.69	3.22	0.01	0.10	0.08	0.18	0.09	0.02	0.11	—	603	603	0.02	0.01	0.12	607
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.07	0.19	0.49	0.59	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	99.9	99.9	< 0.005	< 0.005	0.02	100

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	1.37	49.9	9.14	11.2	0.02	0.33	0.20	0.53	0.30	0.05	0.35	—	2,083	2,083	0.08	0.03	0.99	2,096
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.84	1.55	14.1	15.0	0.02	0.64	2.86	3.51	0.59	1.36	1.95	—	2,555	2,555	0.10	0.03	0.03	2,565
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.40	1.01	2.69	3.22	0.01	0.10	0.08	0.18	0.09	0.02	0.11	—	603	603	0.02	0.01	0.12	607
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.07	0.19	0.49	0.59	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	99.9	99.9	< 0.005	< 0.005	0.02	100

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.56	1.31	12.1	12.1	0.02	0.56	—	0.56	0.52	—	0.52	—	2,065	2,065	0.08	0.02	—	2,072
Dust From Material Movement	—	—	—	—	—	—	2.44	2.44	—	1.17	1.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.66	5.66	< 0.005	< 0.005	—	5.68
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.94	0.94	< 0.005	< 0.005	—	0.94
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.33	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	75.6	75.6	< 0.005	< 0.005	0.01	76.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	1.51	14.1	14.5	0.02	0.64	—	0.64	0.59	—	0.59	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.5	13.5	< 0.005	< 0.005	—	13.5
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.23	2.23	< 0.005	< 0.005	—	2.23
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	101	101	< 0.005	< 0.005	0.01	102
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.45	2.75	0.01	0.09	—	0.09	0.08	—	0.08	—	493	493	0.02	< 0.005	—	495
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	81.7	81.7	< 0.005	< 0.005	—	82.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	1.08	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	204	204	< 0.005	0.01	0.78	207
Vendor	0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	77.3	77.3	0.01	0.01	0.20	81.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.80	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	181	181	< 0.005	0.01	0.02	184
Vendor	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	77.3	77.3	0.01	0.01	0.01	80.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.0	51.0	< 0.005	< 0.005	0.09	51.7
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.2	21.2	< 0.005	< 0.005	0.02	22.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.44	8.44	< 0.005	< 0.005	0.02	8.56
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.51	3.51	< 0.005	< 0.005	< 0.005	3.67
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.59	0.49	4.63	6.50	0.01	0.20	—	0.20	0.19	—	0.19	—	992	992	0.04	0.01	—	995
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.25	2.25	< 0.005	< 0.005	—	2.26
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.75	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	142	142	< 0.005	0.01	0.54	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.77	1.77	< 0.005	< 0.005	< 0.005	1.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	49.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.84
Architectural Coatings	—	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.30	0.30	< 0.005	< 0.005	—	0.30
Architectural Coatings	—	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	40.9	40.9	< 0.005	< 0.005	0.16	41.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.51	0.51	< 0.005	< 0.005	< 0.005	0.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	AQ-1-804	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2025	1/1/2025	5.00	1.00	—
Grading	Grading	1/2/2025	1/3/2025	5.00	2.00	—
Building Construction	Building Construction	1/4/2025	5/23/2025	5.00	100	—
Paving	Paving	5/24/2025	5/30/2025	5.00	5.00	—
Architectural Coating	Architectural Coating	5/31/2025	6/6/2025	5.00	5.00	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT

Grading	—	—	—	—
Grading	Worker	10.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	18.0	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	2.67	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	3.60	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	53,663	17,888	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	0.94	0.00	—
Grading	—	—	2.00	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.1	annual days of extreme heat
Extreme Precipitation	6.45	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.69	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	59.7
AQ-PM	39.5
AQ-DPM	50.3
Drinking Water	47.8
Lead Risk Housing	54.5
Pesticides	0.00
Toxic Releases	20.9
Traffic	21.4
Effect Indicators	—
CleanUp Sites	18.7

Groundwater	78.3
Haz Waste Facilities/Generators	59.8
Impaired Water Bodies	77.3
Solid Waste	0.00
Sensitive Population	—
Asthma	88.7
Cardio-vascular	62.6
Low Birth Weights	7.38
Socioeconomic Factor Indicators	—
Education	25.1
Housing	70.2
Linguistic	37.0
Poverty	67.4
Unemployment	14.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	37.16155524
Employed	15.56525087
Median HI	23.82907738
Education	—
Bachelor's or higher	54.3308097
High school enrollment	26.62645964
Preschool enrollment	15.20595406
Transportation	—

Auto Access	28.94905685
Active commuting	46.06698319
Social	—
2-parent households	11.18952906
Voting	74.93904786
Neighborhood	—
Alcohol availability	37.77749262
Park access	30.25792378
Retail density	94.5977159
Supermarket access	42.71782369
Tree canopy	91.62068523
Housing	—
Homeownership	51.98254844
Housing habitability	41.55010907
Low-inc homeowner severe housing cost burden	37.4566919
Low-inc renter severe housing cost burden	6.73681509
Uncrowded housing	66.9190299
Health Outcomes	—
Insured adults	47.91479533
Arthritis	0.0
Asthma ER Admissions	6.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0

Life Expectancy at Birth	11.1
Cognitively Disabled	13.7
Physically Disabled	26.6
Heart Attack ER Admissions	48.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	52.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	67.0
Elderly	27.8
English Speaking	75.3
Foreign-born	10.6
Outdoor Workers	46.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	61.1
Traffic Density	59.6
Traffic Access	23.0
Other Indices	—

Hardship	64.4
Other Decision Support	—
2016 Voting	65.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	47.0
Healthy Places Index Score for Project Location (b)	30.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	no demo
Land Use	PD

Sac Rezone North Watt (before) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

3.3. Grading (2025) - Unmitigated

3.5. Building Construction (2025) - Unmitigated

3.7. Building Construction (2026) - Unmitigated

3.9. Building Construction (2027) - Unmitigated

3.11. Paving (2027) - Unmitigated

3.13. Architectural Coating (2027) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone North Watt (before)
Construction Start Date	6/7/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	39.2
Location	38.66735756395545, -121.38321539651498
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	657
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	505	Dwelling Unit	21.3	535,300	185,653	—	1,414	—

AQ-1-821

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.02	3.38	31.7	36.0	0.06	1.37	7.84	9.21	1.26	3.98	5.24	—	8,086	8,086	0.27	0.40	19.9	8,231
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.05	252	14.8	30.3	0.03	0.45	4.08	4.54	0.42	0.97	1.39	—	7,623	7,623	0.29	0.40	0.52	7,749
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.99	13.9	9.79	21.0	0.02	0.29	2.84	3.13	0.26	0.68	0.94	—	5,439	5,439	0.19	0.28	5.59	5,534
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.36	2.53	1.79	3.83	< 0.005	0.05	0.52	0.57	0.05	0.12	0.17	—	901	901	0.03	0.05	0.93	916

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	4.02	3.38	31.7	36.0	0.06	1.37	7.84	9.21	1.26	3.98	5.24	—	8,086	8,086	0.27	0.40	19.9	8,231
2026	3.04	2.58	13.4	34.5	0.03	0.40	4.08	4.48	0.37	0.97	1.34	—	7,974	7,974	0.25	0.39	18.1	8,114
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.05	2.55	14.8	30.3	0.03	0.45	4.08	4.54	0.42	0.97	1.39	—	7,623	7,623	0.29	0.40	0.52	7,749
2026	2.80	2.44	13.9	29.1	0.03	0.40	4.08	4.48	0.37	0.97	1.34	—	7,520	7,520	0.28	0.40	0.47	7,646
2027	2.69	252	13.2	28.1	0.03	0.36	4.08	4.44	0.33	0.97	1.30	—	7,422	7,422	0.27	0.39	0.43	7,544
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.35	1.14	7.87	12.3	0.02	0.28	1.71	1.99	0.26	0.52	0.78	—	2,993	2,993	0.11	0.12	2.48	3,034
2026	1.99	1.74	9.79	21.0	0.02	0.29	2.84	3.13	0.26	0.68	0.94	—	5,439	5,439	0.19	0.28	5.59	5,534
2027	0.11	13.9	0.64	1.24	< 0.005	0.02	0.11	0.13	0.02	0.03	0.05	—	256	256	0.01	0.01	0.19	259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.25	0.21	1.44	2.25	< 0.005	0.05	0.31	0.36	0.05	0.09	0.14	—	496	496	0.02	0.02	0.41	502
2026	0.36	0.32	1.79	3.83	< 0.005	0.05	0.52	0.57	0.05	0.12	0.17	—	901	901	0.03	0.05	0.93	916
2027	0.02	2.53	0.12	0.23	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.3	42.3	< 0.005	< 0.005	0.03	42.8

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	0.83	< 0.005	0.04	—	0.04	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	1.05	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	199	199	< 0.005	0.01	0.76	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.96	4.96	< 0.005	< 0.005	0.01	5.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.82	0.82	< 0.005	< 0.005	< 0.005	0.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.31	2.85	2.71	0.01	0.12	—	0.12	0.11	—	0.11	—	633	633	0.03	0.01	—	635
Dust From Material Movement	—	—	—	—	—	—	0.34	0.34	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.52	0.50	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.21	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	227	227	< 0.005	0.01	0.87	230
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	0.04	20.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	0.01	3.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.96	3.70	0.01	0.12	—	0.12	0.11	—	0.11	—	680	680	0.03	0.01	—	683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.06	0.54	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	113
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.54	1.06	21.9	0.00	0.00	3.67	3.67	0.00	0.86	0.86	—	4,127	4,127	0.06	0.15	15.9	4,188
Vendor	0.17	0.07	2.83	1.05	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,561	1,561	0.10	0.23	4.06	1,637
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	1.37	1.34	16.1	0.00	0.00	3.67	3.67	0.00	0.86	0.86	—	3,664	3,664	0.09	0.15	0.41	3,711
Vendor	0.17	0.05	3.03	1.07	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,561	1,561	0.10	0.23	0.11	1,632
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.39	0.34	4.68	0.00	0.00	1.02	1.02	0.00	0.24	0.24	—	1,067	1,067	0.02	0.04	1.94	1,082
Vendor	0.05	0.02	0.85	0.30	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	443	443	0.03	0.07	0.50	464
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.85	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	177	177	< 0.005	0.01	0.32	179
Vendor	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.3	73.3	< 0.005	0.01	0.08	76.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.60	1.46	0.94	20.5	0.00	0.00	3.67	3.67	0.00	0.86	0.86	—	4,047	4,047	0.06	0.14	14.5	4,104
Vendor	0.16	0.06	2.65	1.01	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,530	1,530	0.10	0.23	3.68	1,605
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.36	1.32	1.21	15.1	0.00	0.00	3.67	3.67	0.00	0.86	0.86	—	3,594	3,594	0.08	0.15	0.38	3,640
Vendor	0.16	0.05	2.84	1.03	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,529	1,529	0.10	0.23	0.10	1,600
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.94	0.76	11.0	0.00	0.00	2.56	2.56	0.00	0.60	0.60	—	2,634	2,634	0.05	0.10	4.46	2,671
Vendor	0.11	0.04	1.99	0.73	0.01	0.02	0.29	0.30	0.01	0.08	0.09	—	1,093	1,093	0.07	0.16	1.13	1,144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.14	2.00	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	436	436	0.01	0.02	0.74	442
Vendor	0.02	0.01	0.36	0.13	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	181	181	0.01	0.03	0.19	189
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.20	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	37.5	37.5	< 0.005	< 0.005	—	37.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.21	6.21	< 0.005	< 0.005	—	6.23
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.30	1.15	1.20	14.1	0.00	0.00	3.67	3.67	0.00	0.86	0.86	—	3,530	3,530	0.08	0.15	0.34	3,576
Vendor	0.16	0.05	2.65	1.00	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,495	1,495	0.09	0.22	0.09	1,562
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56.7	56.7	< 0.005	< 0.005	0.09	57.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.4	23.4	< 0.005	< 0.005	0.02	24.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.39	9.39	< 0.005	< 0.005	0.01	9.52
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.87	3.87	< 0.005	< 0.005	< 0.005	4.05
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.58	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.19	8.19	< 0.005	< 0.005	0.01	8.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.36	1.36	< 0.005	< 0.005	< 0.005	1.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	251	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	13.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	2.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.23	0.24	2.83	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	706	706	0.02	0.03	0.07	715
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.7	39.7	< 0.005	< 0.005	0.06	40.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.57	6.57	< 0.005	< 0.005	0.01	6.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	6/7/2025	6/20/2025	5.00	10.0	—
Grading	Grading	6/21/2025	8/8/2025	5.00	35.0	—
Building Construction	Building Construction	8/9/2025	1/8/2027	5.00	370	—
Paving	Paving	1/9/2027	2/5/2027	5.00	20.0	—
Architectural Coating	Architectural Coating	2/6/2027	3/5/2027	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2

Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	364	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	54.0	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	72.7	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,083,983	361,328	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	15.0	0.00	—
Grading	—	—	105	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	375	0.01	< 0.005
2026	0.00	375	0.01	< 0.005

2027	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.8	annual days of extreme heat
Extreme Precipitation	6.35	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth

Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2

Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	58.2
AQ-PM	37.4
AQ-DPM	27.5
Drinking Water	61.1
Lead Risk Housing	92.2
Pesticides	7.24
Toxic Releases	21.8
Traffic	47.0

Effect Indicators	—
CleanUp Sites	80.9
Groundwater	99.2
Haz Waste Facilities/Generators	61.6
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	93.4
Cardio-vascular	69.2
Low Birth Weights	79.4
Socioeconomic Factor Indicators	—
Education	62.9
Housing	73.4
Linguistic	39.2
Poverty	91.6
Unemployment	65.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.16296677
Employed	6.274862056
Median HI	6.672654947
Education	—
Bachelor's or higher	19.73566021
High school enrollment	12.79353266

Preschool enrollment	42.65366354
Transportation	—
Auto Access	24.89413576
Active commuting	74.06646991
Social	—
2-parent households	39.00936738
Voting	13.02450917
Neighborhood	—
Alcohol availability	41.6527653
Park access	47.42717824
Retail density	38.27794174
Supermarket access	72.19299371
Tree canopy	82.34312845
Housing	—
Homeownership	23.13614782
Housing habitability	24.91979982
Low-inc homeowner severe housing cost burden	13.20415758
Low-inc renter severe housing cost burden	43.7957141
Uncrowded housing	25.445913
Health Outcomes	—
Insured adults	37.80315668
Arthritis	0.0
Asthma ER Admissions	5.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0

Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	5.5
Cognitively Disabled	4.0
Physically Disabled	5.6
Heart Attack ER Admissions	16.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.7
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	67.6
English Speaking	43.4
Foreign-born	30.0
Outdoor Workers	48.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.3
Traffic Density	47.2

Traffic Access	66.1
Other Indices	—
Hardship	80.5
Other Decision Support	—
2016 Voting	6.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	83.0
Healthy Places Index Score for Project Location (b)	13.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	20% of total lot acreage is landscaped as in GP
Construction: Construction Phases	modemo

Sac Rezone Old Florin (before) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

3.3. Grading (2027) - Unmitigated

3.5. Building Construction (2027) - Unmitigated

3.7. Building Construction (2028) - Unmitigated

3.9. Paving (2028) - Unmitigated

3.11. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Old Florin (before)
Construction Start Date	3/6/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	37.8
Location	38.49656099729435, -121.39733654991514
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	774
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	503	Dwelling Unit	25.2	533,180	219,717	—	1,408	—

AQ-1-852

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.58	3.02	25.6	33.1	0.06	1.04	4.07	4.83	0.96	1.47	2.43	—	7,845	7,845	0.27	0.38	16.4	7,979
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.69	251	28.0	29.0	0.06	1.17	7.84	9.01	1.08	3.98	5.06	—	7,402	7,402	0.27	0.38	0.43	7,524
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.69	15.0	9.30	16.7	0.02	0.30	2.43	2.73	0.28	0.69	0.96	—	4,292	4,292	0.15	0.21	3.56	4,354
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.31	2.73	1.70	3.04	< 0.005	0.05	0.44	0.50	0.05	0.13	0.18	—	711	711	0.02	0.03	0.59	721

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2027	3.58	3.02	25.6	33.1	0.06	1.04	4.07	4.83	0.96	1.47	2.43	—	7,845	7,845	0.27	0.38	16.4	7,979
2028	2.71	2.29	12.0	31.9	0.03	0.32	4.07	4.39	0.30	0.97	1.26	—	7,724	7,724	0.24	0.26	14.7	7,823
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.69	3.11	28.0	29.0	0.06	1.17	7.84	9.01	1.08	3.98	5.06	—	7,402	7,402	0.27	0.38	0.43	7,524
2028	2.59	251	12.5	27.2	0.03	0.32	4.07	4.39	0.30	0.97	1.26	—	7,291	7,291	0.26	0.38	0.38	7,412
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.69	1.41	9.30	16.7	0.02	0.30	2.43	2.73	0.28	0.69	0.96	—	4,292	4,292	0.15	0.18	3.33	4,354
2028	1.48	15.0	7.15	15.8	0.02	0.19	2.22	2.41	0.18	0.53	0.70	—	4,181	4,181	0.14	0.21	3.56	4,251
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.31	0.26	1.70	3.04	< 0.005	0.05	0.44	0.50	0.05	0.13	0.18	—	711	711	0.02	0.03	0.55	721
2028	0.27	2.73	1.30	2.89	< 0.005	0.03	0.41	0.44	0.03	0.10	0.13	—	692	692	0.02	0.03	0.59	704

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316

Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.77	0.77	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.68	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	170	170	< 0.005	0.01	0.02	172
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.78	4.78	< 0.005	< 0.005	0.01	4.84
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	27.3	0.06	1.04	—	1.04	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.51	2.95	25.6	27.3	0.06	1.04	—	1.04	0.96	—	0.96	—	6,598	6,598	0.27	0.05	—	6,621

Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.45	2.62	0.01	0.10	—	0.10	0.09	—	0.09	—	633	633	0.03	0.01	—	635
Dust From Material Movement	—	—	—	—	—	—	0.34	0.34	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.48	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	1.06	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	219	219	< 0.005	0.01	0.72	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.07	0.78	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	< 0.005	0.01	0.02	197
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	0.48	4.37	6.03	0.01	0.16	—	0.16	0.14	—	0.14	—	1,116	1,116	0.05	0.01	—	1,120
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	1.10	< 0.005	0.03	—	0.03	0.03	—	0.03	—	185	185	0.01	< 0.005	—	185
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.43	1.40	0.92	19.2	0.00	0.00	3.66	3.66	0.00	0.86	0.86	—	3,959	3,959	0.06	0.14	13.1	4,014
Vendor	0.16	0.06	2.48	0.97	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,489	1,489	0.09	0.22	3.30	1,560
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.30	1.14	1.19	14.1	0.00	0.00	3.66	3.66	0.00	0.86	0.86	—	3,516	3,516	0.08	0.15	0.34	3,562
Vendor	0.16	0.05	2.64	0.99	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,489	1,489	0.09	0.22	0.09	1,556
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.53	0.49	6.71	0.00	0.00	1.66	1.66	0.00	0.39	0.39	—	1,680	1,680	0.03	0.06	2.63	1,703
Vendor	0.07	0.03	1.21	0.45	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	694	694	0.04	0.10	0.66	726
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.11	0.10	0.09	1.23	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	278	278	< 0.005	0.01	0.44	282
Vendor	0.01	< 0.005	0.22	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	115	115	0.01	0.02	0.11	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.89	7.09	0.01	0.16	—	0.16	0.15	—	0.15	—	1,314	1,314	0.05	0.01	—	1,318
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.89	1.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	217	217	0.01	< 0.005	—	218

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.38	1.24	0.79	18.0	0.00	0.00	3.66	3.66	0.00	0.86	0.86	—	3,877	3,877	0.05	0.02	11.8	3,897
Vendor	0.15	0.06	2.31	0.93	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,450	1,450	0.09	0.22	2.92	1,520
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.26	1.11	1.06	13.3	0.00	0.00	3.66	3.66	0.00	0.86	0.86	—	3,444	3,444	0.07	0.15	0.31	3,490
Vendor	0.14	0.05	2.47	0.96	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,449	1,449	0.09	0.22	0.08	1,517
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.69	0.61	0.51	7.43	0.00	0.00	1.96	1.96	0.00	0.46	0.46	—	1,937	1,937	0.03	0.08	2.80	1,963
Vendor	0.08	0.03	1.33	0.52	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	794	794	0.05	0.12	0.69	832
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.09	1.36	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	321	321	0.01	0.01	0.46	325
Vendor	0.01	0.01	0.24	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.11	138
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.36	0.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.55	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.02	8.02	< 0.005	< 0.005	0.01	8.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	13.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	2.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.21	2.66	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	689	689	0.01	0.03	0.06	698
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.7	38.7	< 0.005	< 0.005	0.06	39.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.41	6.41	< 0.005	< 0.005	0.01	6.50

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	3/6/2027	3/19/2027	5.00	10.0	—
Grading	Grading	3/20/2027	5/7/2027	5.00	35.0	—
Building Construction	Building Construction	5/8/2027	10/6/2028	5.00	370	—
Paving	Paving	10/7/2028	11/3/2028	5.00	20.0	—
Architectural Coating	Architectural Coating	11/4/2028	12/1/2028	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT

Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	362	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	53.8	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	72.4	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,079,690	359,897	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	15.0	0.00	—
Grading	—	—	105	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Low Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	375	0.01	< 0.005
2028	0.00	375	0.01	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	48.6
AQ-PM	23.7
AQ-DPM	22.3
Drinking Water	78.8
Lead Risk Housing	41.2
Pesticides	73.8
Toxic Releases	30.3
Traffic	28.5
Effect Indicators	—
CleanUp Sites	86.5

Groundwater	88.9
Haz Waste Facilities/Generators	99.8
Impaired Water Bodies	51.2
Solid Waste	99.9
Sensitive Population	—
Asthma	50.2
Cardio-vascular	53.9
Low Birth Weights	36.4
Socioeconomic Factor Indicators	—
Education	47.5
Housing	61.9
Linguistic	43.9
Poverty	58.5
Unemployment	62.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	36.84075452
Employed	20.45425382
Median HI	23.26446811
Education	—
Bachelor's or higher	39.34300013
High school enrollment	100
Preschool enrollment	18.64493776
Transportation	—

Auto Access	37.4566919
Active commuting	70.79430258
Social	—
2-parent households	14.75683306
Voting	58.51405107
Neighborhood	—
Alcohol availability	64.62209675
Park access	12.70370846
Retail density	22.81534711
Supermarket access	13.65327858
Tree canopy	2.065956628
Housing	—
Homeownership	60.60567176
Housing habitability	41.69126139
Low-inc homeowner severe housing cost burden	38.58591043
Low-inc renter severe housing cost burden	7.737713332
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	43.96253048
Arthritis	0.0
Asthma ER Admissions	49.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0

Life Expectancy at Birth	16.0
Cognitively Disabled	21.0
Physically Disabled	7.2
Heart Attack ER Admissions	53.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	98.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	59.5
Elderly	21.1
English Speaking	31.0
Foreign-born	59.3
Outdoor Workers	28.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	91.1
Traffic Density	37.8
Traffic Access	23.0
Other Indices	—

Hardship	62.5
Other Decision Support	—
2016 Voting	63.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	70.0
Healthy Places Index Score for Project Location (b)	29.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	No demo
Land Use	landscape area = 20% of total lot acreage

Sac Rezone Main Operations (before) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Main Operations (before)
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	37.8
Location	38.550592607076084, -121.39691856340349
County	Sacramento
City	Sacramento
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	765
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	3,338	Dwelling Unit	236	2,112,942	2,112,942	—	9,346	—

AQ-1-884

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	124	164	97.7	969	1.95	3.29	162	165	3.20	41.1	44.3	1,582	237,925	239,507	146	8.17	435	246,018
Mit.	121	163	72.0	958	1.78	1.21	162	163	1.12	41.1	42.2	1,582	205,246	206,828	143	8.11	435	213,249
% Reduced	2%	1%	26%	1%	8%	63%	—	1%	65%	—	5%	—	14%	14%	2%	1%	—	13%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	97.0	138	108	672	1.79	3.21	162	165	3.14	41.1	44.2	1,582	221,776	223,358	147	8.87	26.0	229,694
Mit.	94.0	137	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	1,582	189,097	190,679	144	8.81	26.0	196,924
% Reduced	3%	1%	24%	2%	9%	65%	—	1%	66%	—	5%	—	15%	15%	2%	1%	—	14%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	99.1	141	95.9	722	1.65	3.15	141	144	3.07	35.9	39.0	1,582	207,676	209,258	145	7.71	178	215,365
Mit.	96.1	139	70.1	711	1.49	1.07	141	142	0.99	35.9	36.9	1,582	174,997	176,579	142	7.65	178	182,596
% Reduced	3%	1%	27%	2%	10%	66%	—	1%	68%	—	5%	—	16%	16%	2%	1%	—	15%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.1	25.7	17.5	132	0.30	0.57	25.8	26.4	0.56	6.55	7.11	262	34,383	34,645	24.1	1.28	29.4	35,656
Mit.	17.5	25.4	12.8	130	0.27	0.19	25.8	26.0	0.18	6.55	6.73	262	28,973	29,235	23.6	1.27	29.4	30,231
% Reduced	3%	1%	27%	2%	10%	66%	—	1%	68%	—	5%	—	16%	16%	2%	1%	—	15%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1	—	181,438	181,438	7.57	7.38	420	184,246
Area	17.3	67.0	1.77	190	0.01	0.09	—	0.09	0.07	—	0.07	0.00	506	506	0.02	< 0.005	—	508
Energy	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	55,751	55,751	4.23	0.24	—	55,927
Water	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Waste	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Total	124	164	97.7	969	1.95	3.29	162	165	3.20	41.1	44.3	1,582	237,925	239,507	146	8.17	435	246,018
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	94.0	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	—	165,795	165,795	8.61	8.08	10.9	168,430
Area	0.00	50.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	55,751	55,751	4.23	0.24	—	55,927
Water	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Waste	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1

Total	97.0	138	108	672	1.79	3.21	162	165	3.14	41.1	44.2	1,582	221,776	223,358	147	8.87	26.0	229,694
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	84.2	77.4	68.9	581	1.48	1.01	141	142	0.95	35.9	36.8	—	151,348	151,348	7.19	6.92	162	153,753
Area	11.9	61.9	1.21	130	0.01	0.06	—	0.06	0.04	—	0.04	0.00	347	347	0.01	< 0.005	—	348
Energy	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	55,751	55,751	4.23	0.24	—	55,927
Water	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Waste	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Total	99.1	141	95.9	722	1.65	3.15	141	144	3.07	35.9	39.0	1,582	207,676	209,258	145	7.71	178	215,365
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.4	14.1	12.6	106	0.27	0.18	25.8	26.0	0.17	6.55	6.72	—	25,057	25,057	1.19	1.15	26.9	25,456
Area	2.16	11.3	0.22	23.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	57.4	57.4	< 0.005	< 0.005	—	57.6
Energy	0.55	0.27	4.70	2.00	0.03	0.38	—	0.38	0.38	—	0.38	—	9,230	9,230	0.70	0.04	—	9,259
Water	—	—	—	—	—	—	—	—	—	—	—	41.6	38.1	79.7	0.15	0.09	—	111
Waste	—	—	—	—	—	—	—	—	—	—	—	220	0.00	220	22.0	0.00	—	771
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.51	2.51
Total	18.1	25.7	17.5	132	0.30	0.57	25.8	26.4	0.56	6.55	7.11	262	34,383	34,645	24.1	1.28	29.4	35,656

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1	—	181,438	181,438	7.57	7.38	420	184,246
Area	17.3	67.0	1.77	190	0.01	0.09	—	0.09	0.07	—	0.07	0.00	506	506	0.02	< 0.005	—	508
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	23,072	23,072	1.33	0.18	—	23,158

Water	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Waste	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Total	121	163	72.0	958	1.78	1.21	162	163	1.12	41.1	42.2	1,582	205,246	206,828	143	8.11	435	213,249
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	94.0	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	—	165,795	165,795	8.61	8.08	10.9	168,430
Area	0.00	50.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	23,072	23,072	1.33	0.18	—	23,158
Water	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Waste	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Total	94.0	137	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	1,582	189,097	190,679	144	8.81	26.0	196,924
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	84.2	77.4	68.9	581	1.48	1.01	141	142	0.95	35.9	36.8	—	151,348	151,348	7.19	6.92	162	153,753
Area	11.9	61.9	1.21	130	0.01	0.06	—	0.06	0.04	—	0.04	0.00	347	347	0.01	< 0.005	—	348
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	23,072	23,072	1.33	0.18	—	23,158
Water	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Waste	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Total	96.1	139	70.1	711	1.49	1.07	141	142	0.99	35.9	36.9	1,582	174,997	176,579	142	7.65	178	182,596
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.4	14.1	12.6	106	0.27	0.18	25.8	26.0	0.17	6.55	6.72	—	25,057	25,057	1.19	1.15	26.9	25,456
Area	2.16	11.3	0.22	23.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	57.4	57.4	< 0.005	< 0.005	—	57.6
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	3,820	3,820	0.22	0.03	—	3,834
Water	—	—	—	—	—	—	—	—	—	—	—	41.6	38.1	79.7	0.15	0.09	—	111
Waste	—	—	—	—	—	—	—	—	—	—	—	220	0.00	220	22.0	0.00	—	771

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.51	2.51
Total	17.5	25.4	12.8	130	0.27	0.19	25.8	26.0	0.18	6.55	6.73	262	28,973	29,235	23.6	1.27	29.4	30,231

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1	—	181,438	181,438	7.57	7.38	420	184,246
Total	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1	—	181,438	181,438	7.57	7.38	420	184,246
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	94.0	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	—	165,795	165,795	8.61	8.08	10.9	168,430
Total	94.0	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	—	165,795	165,795	8.61	8.08	10.9	168,430
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	15.4	14.1	12.6	106	0.27	0.18	25.8	26.0	0.17	6.55	6.72	—	25,057	25,057	1.19	1.15	26.9	25,456
Total	15.4	14.1	12.6	106	0.27	0.18	25.8	26.0	0.17	6.55	6.72	—	25,057	25,057	1.19	1.15	26.9	25,456

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1	—	181,438	181,438	7.57	7.38	420	184,246
Total	103	95.8	70.2	768	1.78	1.13	162	163	1.06	41.1	42.1	—	181,438	181,438	7.57	7.38	420	184,246
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	94.0	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	—	165,795	165,795	8.61	8.08	10.9	168,430
Total	94.0	86.1	82.4	661	1.62	1.13	162	163	1.06	41.1	42.1	—	165,795	165,795	8.61	8.08	10.9	168,430
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	15.4	14.1	12.6	106	0.27	0.18	25.8	26.0	0.17	6.55	6.72	—	25,057	25,057	1.19	1.15	26.9	25,456
Total	15.4	14.1	12.6	106	0.27	0.18	25.8	26.0	0.17	6.55	6.72	—	25,057	25,057	1.19	1.15	26.9	25,456

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	23,071	23,071	1.33	0.18	—	23,157
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,071	23,071	1.33	0.18	—	23,157
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	23,071	23,071	1.33	0.18	—	23,157
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,071	23,071	1.33	0.18	—	23,157
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,820	3,820	0.22	0.03	—	3,834
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,820	3,820	0.22	0.03	—	3,834

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	23,072	23,072	1.33	0.18	—	23,158
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,072	23,072	1.33	0.18	—	23,158
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	23,072	23,072	1.33	0.18	—	23,158
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,072	23,072	1.33	0.18	—	23,158
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,820	3,820	0.22	0.03	—	3,834
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,820	3,820	0.22	0.03	—	3,834

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	32,680	32,680	2.89	0.06	—	32,771
Total	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	32,680	32,680	2.89	0.06	—	32,771
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	32,680	32,680	2.89	0.06	—	32,771
Total	3.01	1.51	25.7	11.0	0.16	2.08	—	2.08	2.08	—	2.08	—	32,680	32,680	2.89	0.06	—	32,771
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	0.55	0.27	4.70	2.00	0.03	0.38	—	0.38	0.38	—	0.38	—	5,411	5,411	0.48	0.01	—	5,426
Total	0.55	0.27	4.70	2.00	0.03	0.38	—	0.38	0.38	—	0.38	—	5,411	5,411	0.48	0.01	—	5,426

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	45.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	5.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	17.3	16.4	1.77	190	0.01	0.09	—	0.09	0.07	—	0.07	—	506	506	0.02	< 0.005	—	508
Total	17.3	67.0	1.77	190	0.01	0.09	—	0.09	0.07	—	0.07	0.00	506	506	0.02	< 0.005	—	508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	45.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	5.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	50.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	8.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.16	2.05	0.22	23.8	< 0.005	0.01	—	0.01	0.01	—	0.01	—	57.4	57.4	< 0.005	< 0.005	—	57.6

Total	2.16	11.3	0.22	23.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	57.4	57.4	< 0.005	< 0.005	—	57.6

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	45.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	5.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	17.3	16.4	1.77	190	0.01	0.09	—	0.09	0.07	—	0.07	—	506	506	0.02	< 0.005	—	508
Total	17.3	67.0	1.77	190	0.01	0.09	—	0.09	0.07	—	0.07	0.00	506	506	0.02	< 0.005	—	508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	45.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	5.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	50.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consum Products	—	8.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.16	2.05	0.22	23.8	< 0.005	0.01	—	0.01	0.01	—	0.01	—	57.4	57.4	< 0.005	< 0.005	—	57.6
Total	2.16	11.3	0.22	23.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	57.4	57.4	< 0.005	< 0.005	—	57.6

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Total	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Total	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	41.6	38.1	79.7	0.15	0.09	—	111
Total	—	—	—	—	—	—	—	—	—	—	—	41.6	38.1	79.7	0.15	0.09	—	111

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Total	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Total	—	—	—	—	—	—	—	—	—	—	—	252	230	481	0.88	0.55	—	668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	41.6	38.1	79.7	0.15	0.09	—	111
Total	—	—	—	—	—	—	—	—	—	—	—	41.6	38.1	79.7	0.15	0.09	—	111

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Total	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Total	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	220	0.00	220	22.0	0.00	—	771
Total	—	—	—	—	—	—	—	—	—	—	—	220	0.00	220	22.0	0.00	—	771

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Total	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Total	—	—	—	—	—	—	—	—	—	—	—	1,330	0.00	1,330	133	0.00	—	4,654
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	220	0.00	220	22.0	0.00	—	771
Total	—	—	—	—	—	—	—	—	—	—	—	220	0.00	220	22.0	0.00	—	771

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.51	2.51
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.51	2.51

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	15.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.51	2.51
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.51	2.51

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Apartments Low Rise	24,434	27,171	20,963	8,880,177	205,150	228,131	176,003	74,558,290

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Low Rise	24,434	27,171	20,963	8,880,177	205,150	228,131	176,003	74,558,290

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	3338
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	AQ-1-~~909~~

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	3338
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
4278706.74	1,426,236	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	37,761,761	223	0.0129	0.0017	101,970,872

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	37,763,883	223	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	117,694,542	36,067,862

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	117,694,542	36,067,862

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	2,468	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	2,468	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	18.8	annual days of extreme heat
Extreme Precipitation	6.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	48.5
AQ-PM	37.5
AQ-DPM	65.4
Drinking Water	56.6
Lead Risk Housing	38.1
Pesticides	29.5
Toxic Releases	41.1
Traffic	78.6
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	28.3
Haz Waste Facilities/Generators	40.9
Impaired Water Bodies	51.2

Solid Waste	73.0
Sensitive Population	—
Asthma	87.9
Cardio-vascular	72.0
Low Birth Weights	9.08
Socioeconomic Factor Indicators	—
Education	20.9
Housing	22.7
Linguistic	21.4
Poverty	43.5
Unemployment	40.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	65.76414731
Employed	89.43924034
Median HI	66.04645194
Education	—
Bachelor's or higher	71.14076736
High school enrollment	100
Preschool enrollment	54.90825099
Transportation	—
Auto Access	28.53843193
Active commuting	72.93725138
Social	—

2-parent households	56.35827024
Voting	87.62992429
Neighborhood	—
Alcohol availability	60.41319133
Park access	81.35506224
Retail density	56.73039908
Supermarket access	55.37020403
Tree canopy	89.60605672
Housing	—
Homeownership	69.85756448
Housing habitability	79.08379315
Low-inc homeowner severe housing cost burden	69.62658796
Low-inc renter severe housing cost burden	61.37559348
Uncrowded housing	59.34813294
Health Outcomes	—
Insured adults	68.56152958
Arthritis	8.6
Asthma ER Admissions	25.7
High Blood Pressure	9.1
Cancer (excluding skin)	7.2
Asthma	46.1
Coronary Heart Disease	12.2
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	50.0
Life Expectancy at Birth	28.4
Cognitively Disabled	72.6
Physically Disabled	62.2

Heart Attack ER Admissions	23.7
Mental Health Not Good	69.9
Chronic Kidney Disease	27.1
Obesity	53.5
Pedestrian Injuries	75.4
Physical Health Not Good	59.3
Stroke	26.0
Health Risk Behaviors	—
Binge Drinking	54.2
Current Smoker	63.8
No Leisure Time for Physical Activity	73.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	41.8
Elderly	9.0
English Speaking	62.3
Foreign-born	12.8
Outdoor Workers	27.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	54.8
Traffic Density	83.9
Traffic Access	60.7
Other Indices	—
Hardship	33.4
Other Decision Support	—
2016 Voting	77.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0
Healthy Places Index Score for Project Location (b)	77.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Operations: Energy Use	...
Land Use	3338 units on 236 acres

Sac Rezone Fair Oaks operations (before) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Fair Oaks operations (before)
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	39.2
Location	38.637469230516956, -121.32836613666706
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	619
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	25.0	Dwelling Unit	1.25	26,500	10,890	—	70.0	—

AQ-1-927

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.00	1.55	0.80	9.54	0.02	0.02	1.81	1.83	0.02	0.46	0.48	11.8	2,195	2,207	1.09	0.08	4.89	2,264
Mit.	0.99	1.54	0.72	9.51	0.02	0.01	1.81	1.82	0.01	0.46	0.47	11.8	2,095	2,107	1.08	0.08	4.89	2,163
% Reduced	1%	< 0.5%	10%	< 0.5%	—	34%	—	< 0.5%	35%	—	1%	—	5%	5%	1%	—	—	4%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.80	1.35	0.92	6.68	0.02	0.02	1.81	1.83	0.02	0.46	0.48	11.8	2,016	2,028	1.10	0.09	0.31	2,082
Mit.	0.79	1.35	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	11.8	1,915	1,927	1.09	0.09	0.31	1,981
% Reduced	1%	< 0.5%	9%	1%	—	35%	—	< 0.5%	36%	—	1%	—	5%	5%	1%	—	—	5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.81	1.36	0.79	6.96	0.02	0.02	1.58	1.60	0.02	0.40	0.42	11.8	1,859	1,871	1.08	0.08	2.01	1,923
Mit.	0.80	1.36	0.71	6.92	0.02	0.01	1.58	1.59	0.01	0.40	0.41	11.8	1,759	1,770	1.08	0.08	2.01	1,822
% Reduced	1%	< 0.5%	10%	< 0.5%	—	36%	—	< 0.5%	38%	—	2%	—	5%	5%	1%	—	—	5%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.15	0.25	0.14	1.27	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	1.96	308	310	0.18	0.01	0.33	318
Mit.	0.15	0.25	0.13	1.26	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	1.96	291	293	0.18	0.01	0.33	302
% Reduced	1%	< 0.5%	10%	< 0.5%	3%	36%	—	< 0.5%	38%	—	2%	—	5%	5%	1%	< 0.5%	—	5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	2,012	2,012	0.07	0.08	4.70	2,042
Area	0.13	0.76	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.79	3.79	< 0.005	< 0.005	—	3.81
Energy	0.01	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	178
Water	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Waste	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	1.00	1.55	0.80	9.54	0.02	0.02	1.81	1.83	0.02	0.46	0.48	11.8	2,195	2,207	1.09	0.08	4.89	2,264
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	1,837	1,837	0.08	0.08	0.12	1,864
Area	0.00	0.64	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.01	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	178
Water	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Waste	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19

Total	0.80	1.35	0.92	6.68	0.02	0.02	1.81	1.83	0.02	0.46	0.48	11.8	2,016	2,028	1.10	0.09	0.31	2,082
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.71	0.64	0.70	5.95	0.02	0.01	1.58	1.59	0.01	0.40	0.41	—	1,677	1,677	0.07	0.07	1.82	1,702
Area	0.09	0.72	0.01	0.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	2.60	2.60	< 0.005	< 0.005	—	2.61
Energy	0.01	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	178
Water	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Waste	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	0.81	1.36	0.79	6.96	0.02	0.02	1.58	1.60	0.02	0.40	0.42	11.8	1,859	1,871	1.08	0.08	2.01	1,923
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	278	278	0.01	0.01	0.30	282
Area	0.02	0.13	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.43	0.43	< 0.005	< 0.005	—	0.43
Energy	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.4	29.4	< 0.005	< 0.005	—	29.5
Water	—	—	—	—	—	—	—	—	—	—	—	0.31	0.27	0.58	< 0.005	< 0.005	—	0.81
Waste	—	—	—	—	—	—	—	—	—	—	—	1.65	0.00	1.65	0.16	0.00	—	5.77
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	0.15	0.25	0.14	1.27	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	1.96	308	310	0.18	0.01	0.33	318

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	2,012	2,012	0.07	0.08	4.70	2,042
Area	0.13	0.76	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.79	3.79	< 0.005	< 0.005	—	3.81
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	76.9	76.9	< 0.005	< 0.005	—	77.2

Water	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Waste	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	0.99	1.54	0.72	9.51	0.02	0.01	1.81	1.82	0.01	0.46	0.47	11.8	2,095	2,107	1.08	0.08	4.89	2,163
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	1,837	1,837	0.08	0.08	0.12	1,864
Area	0.00	0.64	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	76.9	76.9	< 0.005	< 0.005	—	77.2
Water	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Waste	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	0.79	1.35	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	11.8	1,915	1,927	1.09	0.09	0.31	1,981
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.71	0.64	0.70	5.95	0.02	0.01	1.58	1.59	0.01	0.40	0.41	—	1,677	1,677	0.07	0.07	1.82	1,702
Area	0.09	0.72	0.01	0.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	2.60	2.60	< 0.005	< 0.005	—	2.61
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	76.9	76.9	< 0.005	< 0.005	—	77.2
Water	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Waste	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	0.80	1.36	0.71	6.92	0.02	0.01	1.58	1.59	0.01	0.40	0.41	11.8	1,759	1,770	1.08	0.08	2.01	1,822
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	278	278	0.01	0.01	0.30	282
Area	0.02	0.13	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.43	0.43	< 0.005	< 0.005	—	0.43
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Water	—	—	—	—	—	—	—	—	—	—	—	0.31	0.27	0.58	< 0.005	< 0.005	—	0.81
Waste	—	—	—	—	—	—	—	—	—	—	—	1.65	0.00	1.65	0.16	0.00	—	5.77

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	0.15	0.25	0.13	1.26	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	1.96	291	293	0.18	0.01	0.33	302

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	2,012	2,012	0.07	0.08	4.70	2,042
Total	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	2,012	2,012	0.07	0.08	4.70	2,042
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	1,837	1,837	0.08	0.08	0.12	1,864
Total	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	1,837	1,837	0.08	0.08	0.12	1,864
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	278	278	0.01	0.01	0.30	282
Total	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	278	278	0.01	0.01	0.30	282

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	2,012	2,012	0.07	0.08	4.70	2,042
Total	0.86	0.79	0.71	8.08	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	2,012	2,012	0.07	0.08	4.70	2,042
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	1,837	1,837	0.08	0.08	0.12	1,864
Total	0.79	0.71	0.84	6.64	0.02	0.01	1.81	1.82	0.01	0.46	0.47	—	1,837	1,837	0.08	0.08	0.12	1,864
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	278	278	0.01	0.01	0.30	282
Total	0.13	0.12	0.13	1.09	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	278	278	0.01	0.01	0.30	282

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	75.6	75.6	< 0.005	< 0.005	—	75.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	75.6	75.6	< 0.005	< 0.005	—	75.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	75.6	75.6	< 0.005	< 0.005	—	75.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	75.6	75.6	< 0.005	< 0.005	—	75.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	12.5	12.5	< 0.005	< 0.005	—	12.6
Total	—	—	—	—	—	—	—	—	—	—	—	—	12.5	12.5	< 0.005	< 0.005	—	12.6

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	76.9	76.9	< 0.005	< 0.005	—	77.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	76.9	76.9	< 0.005	< 0.005	—	77.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	76.9	76.9	< 0.005	< 0.005	—	77.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	76.9	76.9	< 0.005	< 0.005	—	77.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	12.7	12.7	< 0.005	< 0.005	—	12.8

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	0.01	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Total	0.01	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	0.01	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Total	0.01	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Low Rise	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.9	16.9	< 0.005	< 0.005	—	16.9
Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.9	16.9	< 0.005	< 0.005	—	16.9

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.13	0.12	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.79	3.79	< 0.005	< 0.005	—	3.81
Total	0.13	0.76	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.79	3.79	< 0.005	< 0.005	—	3.81
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	0.64	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02	0.02	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.43	0.43	< 0.005	< 0.005	—	0.43

Total	0.02	0.13	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.43	0.43	< 0.005	< 0.005	—	0.43

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.13	0.12	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.79	3.79	< 0.005	< 0.005	—	3.81
Total	0.13	0.76	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	3.79	3.79	< 0.005	< 0.005	—	3.81
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	0.64	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consum Products	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.02	0.02	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.43	0.43	< 0.005	< 0.005	—	0.43
Total	0.02	0.13	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.43	0.43	< 0.005	< 0.005	—	0.43

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Total	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Total	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	0.31	0.27	0.58	< 0.005	< 0.005	—	0.81
Total	—	—	—	—	—	—	—	—	—	—	—	0.31	0.27	0.58	< 0.005	< 0.005	—	0.81

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Total	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Total	—	—	—	—	—	—	—	—	—	—	—	1.88	1.64	3.52	0.01	< 0.005	—	4.92
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	0.31	0.27	0.58	< 0.005	< 0.005	—	0.81
Total	—	—	—	—	—	—	—	—	—	—	—	0.31	0.27	0.58	< 0.005	< 0.005	—	0.81

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Total	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Total	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1.65	0.00	1.65	0.16	0.00	—	5.77
Total	—	—	—	—	—	—	—	—	—	—	—	1.65	0.00	1.65	0.16	0.00	—	5.77

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Total	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Total	—	—	—	—	—	—	—	—	—	—	—	9.96	0.00	9.96	1.00	0.00	—	34.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1.65	0.00	1.65	0.16	0.00	—	5.77
Total	—	—	—	—	—	—	—	—	—	—	—	1.65	0.00	1.65	0.16	0.00	—	5.77

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Apartments Low Rise	183	204	157	66,508	2,295	2,552	1,969	834,025

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Low Rise	183	204	157	66,508	2,295	2,552	1,969	834,025

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	25
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	AQ-1-~~9~~52

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	25
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
53662.5	17,888	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	123,709	223	0.0129	0.0017	318,402

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	125,832	223	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	881,475	185,892

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	881,475	185,892

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	18.5	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	18.5	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.1	annual days of extreme heat
Extreme Precipitation	6.45	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.69	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	59.7
AQ-PM	39.5
AQ-DPM	50.3
Drinking Water	47.8
Lead Risk Housing	54.5
Pesticides	0.00
Toxic Releases	20.9
Traffic	21.4
Effect Indicators	—
CleanUp Sites	18.7
Groundwater	78.3
Haz Waste Facilities/Generators	59.8
Impaired Water Bodies	77.3

Solid Waste	0.00
Sensitive Population	—
Asthma	88.7
Cardio-vascular	62.6
Low Birth Weights	7.38
Socioeconomic Factor Indicators	—
Education	25.1
Housing	70.2
Linguistic	37.0
Poverty	67.4
Unemployment	14.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	37.16155524
Employed	15.56525087
Median HI	23.82907738
Education	—
Bachelor's or higher	54.3308097
High school enrollment	26.62645964
Preschool enrollment	15.20595406
Transportation	—
Auto Access	28.94905685
Active commuting	46.06698319
Social	—

2-parent households	11.18952906
Voting	74.93904786
Neighborhood	—
Alcohol availability	37.77749262
Park access	30.25792378
Retail density	94.5977159
Supermarket access	42.71782369
Tree canopy	91.62068523
Housing	—
Homeownership	51.98254844
Housing habitability	41.55010907
Low-inc homeowner severe housing cost burden	37.4566919
Low-inc renter severe housing cost burden	6.73681509
Uncrowded housing	66.9190299
Health Outcomes	—
Insured adults	47.91479533
Arthritis	0.0
Asthma ER Admissions	6.0
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	11.1
Cognitively Disabled	13.7
Physically Disabled	26.6

Heart Attack ER Admissions	48.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	52.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	67.0
Elderly	27.8
English Speaking	75.3
Foreign-born	10.6
Outdoor Workers	46.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	61.1
Traffic Density	59.6
Traffic Access	23.0
Other Indices	—
Hardship	64.4
Other Decision Support	—
2016 Voting	65.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	47.0
Healthy Places Index Score for Project Location (b)	30.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	no demo
Land Use	PD

Sac Rezone North Watt operations (before) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone North Watt operations (before)
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	39.2
Location	38.66735756395545, -121.38321539651498
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	657
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	505	Dwelling Unit	21.3	535,300	185,653	—	1,414	—

AQ-1-970

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.5	30.7	14.7	174	0.36	0.36	31.7	32.0	0.34	8.04	8.38	239	39,007	39,246	21.9	1.47	86.1	40,316
Mit.	19.3	30.6	13.1	173	0.35	0.23	31.7	31.9	0.21	8.04	8.25	239	36,947	37,186	21.7	1.46	86.1	38,250
% Reduced	1%	< 0.5%	11%	< 0.5%	3%	36%	—	< 0.5%	38%	—	2%	—	5%	5%	1%	< 0.5%	—	5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.5	26.8	16.7	121	0.33	0.35	31.7	32.0	0.33	8.04	8.37	239	35,862	36,102	22.0	1.59	5.97	37,133
Mit.	15.3	26.7	15.1	120	0.32	0.22	31.7	31.9	0.20	8.04	8.24	239	33,802	34,042	21.8	1.59	5.97	35,067
% Reduced	1%	< 0.5%	10%	1%	3%	38%	—	< 0.5%	39%	—	2%	—	6%	6%	1%	< 0.5%	—	6%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.7	27.1	14.5	127	0.30	0.33	27.6	28.0	0.32	7.02	7.34	239	33,112	33,351	21.8	1.38	35.6	34,343
Mit.	15.5	27.0	12.8	127	0.29	0.20	27.6	27.8	0.19	7.02	7.21	239	31,052	31,291	21.6	1.38	35.6	32,278
% Reduced	1%	< 0.5%	11%	1%	3%	39%	—	< 0.5%	41%	—	2%	—	6%	6%	1%	< 0.5%	—	6%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.86	4.94	2.64	23.3	0.05	0.06	5.04	5.10	0.06	1.28	1.34	39.6	5,482	5,522	3.61	0.23	5.90	5,686
Mit.	2.83	4.92	2.34	23.1	0.05	0.04	5.04	5.08	0.03	1.28	1.32	39.6	5,141	5,181	3.58	0.23	5.90	5,344
% Reduced	1%	< 0.5%	11%	1%	3%	39%	—	< 0.5%	41%	—	2%	—	6%	6%	1%	< 0.5%	—	6%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.20	8.04	8.24	—	35,310	35,310	1.34	1.37	82.3	35,833
Area	2.62	15.3	0.27	28.7	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.6	76.6	< 0.005	< 0.005	—	76.9
Energy	0.19	0.10	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	3,588	3,588	0.27	0.02	—	3,599
Water	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Waste	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Total	19.5	30.7	14.7	174	0.36	0.36	31.7	32.0	0.34	8.04	8.38	239	39,007	39,246	21.9	1.47	86.1	40,316
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.20	8.04	8.24	—	32,242	32,242	1.49	1.49	2.13	32,727
Area	0.00	12.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.19	0.10	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	3,588	3,588	0.27	0.02	—	3,599
Water	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Waste	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83

Total	15.5	26.8	16.7	121	0.33	0.35	31.7	32.0	0.33	8.04	8.37	239	35,862	36,102	22.0	1.59	5.97	37,133
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.7	12.4	12.6	107	0.29	0.19	27.6	27.8	0.18	7.02	7.20	—	29,439	29,439	1.26	1.28	31.8	29,885
Area	1.79	14.5	0.18	19.7	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	52.5	52.5	< 0.005	< 0.005	—	52.7
Energy	0.19	0.10	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	3,588	3,588	0.27	0.02	—	3,599
Water	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Waste	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Total	15.7	27.1	14.5	127	0.30	0.33	27.6	28.0	0.32	7.02	7.34	239	33,112	33,351	21.8	1.38	35.6	34,343
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.50	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31	—	4,874	4,874	0.21	0.21	5.27	4,948
Area	0.33	2.65	0.03	3.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.69	8.69	< 0.005	< 0.005	—	8.72
Energy	0.03	0.02	0.30	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	594	594	0.04	< 0.005	—	596
Water	—	—	—	—	—	—	—	—	—	—	—	6.30	5.39	11.7	0.02	0.01	—	16.3
Waste	—	—	—	—	—	—	—	—	—	—	—	33.3	0.00	33.3	3.33	0.00	—	117
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
Total	2.86	4.94	2.64	23.3	0.05	0.06	5.04	5.10	0.06	1.28	1.34	39.6	5,482	5,522	3.61	0.23	5.90	5,686

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.20	8.04	8.24	—	35,310	35,310	1.34	1.37	82.3	35,833
Area	2.62	15.3	0.27	28.7	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.6	76.6	< 0.005	< 0.005	—	76.9
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,528	1,528	0.09	0.01	—	1,534

Water	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Waste	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Total	19.3	30.6	13.1	173	0.35	0.23	31.7	31.9	0.21	8.04	8.25	239	36,947	37,186	21.7	1.46	86.1	38,250
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.20	8.04	8.24	—	32,242	32,242	1.49	1.49	2.13	32,727
Area	0.00	12.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,528	1,528	0.09	0.01	—	1,534
Water	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Waste	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Total	15.3	26.7	15.1	120	0.32	0.22	31.7	31.9	0.20	8.04	8.24	239	33,802	34,042	21.8	1.59	5.97	35,067
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.7	12.4	12.6	107	0.29	0.19	27.6	27.8	0.18	7.02	7.20	—	29,439	29,439	1.26	1.28	31.8	29,885
Area	1.79	14.5	0.18	19.7	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	52.5	52.5	< 0.005	< 0.005	—	52.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,528	1,528	0.09	0.01	—	1,534
Water	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Waste	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Total	15.5	27.0	12.8	127	0.29	0.20	27.6	27.8	0.19	7.02	7.21	239	31,052	31,291	21.6	1.38	35.6	32,278
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.50	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31	—	4,874	4,874	0.21	0.21	5.27	4,948
Area	0.33	2.65	0.03	3.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.69	8.69	< 0.005	< 0.005	—	8.72
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	253	253	0.01	< 0.005	—	254
Water	—	—	—	—	—	—	—	—	—	—	—	6.30	5.39	11.7	0.02	0.01	—	16.3
Waste	—	—	—	—	—	—	—	—	—	—	—	33.3	0.00	33.3	3.33	0.00	—	117

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
Total	2.83	4.92	2.34	23.1	0.05	0.04	5.04	5.08	0.03	1.28	1.32	39.6	5,141	5,181	3.58	0.23	5.90	5,344

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.20	8.04	8.24	—	35,310	35,310	1.34	1.37	82.3	35,833
Total	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.20	8.04	8.24	—	35,310	35,310	1.34	1.37	82.3	35,833
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.20	8.04	8.24	—	32,242	32,242	1.49	1.49	2.13	32,727
Total	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.20	8.04	8.24	—	32,242	32,242	1.49	1.49	2.13	32,727
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	2.50	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31	—	4,874	4,874	0.21	0.21	5.27	4,948
Total	2.50	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31	—	4,874	4,874	0.21	0.21	5.27	4,948

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.20	8.04	8.24	—	35,310	35,310	1.34	1.37	82.3	35,833
Total	16.7	15.3	12.8	144	0.35	0.22	31.7	31.9	0.20	8.04	8.24	—	35,310	35,310	1.34	1.37	82.3	35,833
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.20	8.04	8.24	—	32,242	32,242	1.49	1.49	2.13	32,727
Total	15.3	13.9	15.1	120	0.32	0.22	31.7	31.9	0.20	8.04	8.24	—	32,242	32,242	1.49	1.49	2.13	32,727
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	2.50	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31	—	4,874	4,874	0.21	0.21	5.27	4,948
Total	2.50	2.27	2.31	19.5	0.05	0.04	5.04	5.08	0.03	1.28	1.31	—	4,874	4,874	0.21	0.21	5.27	4,948

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,527	1,527	0.09	0.01	—	1,532
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,527	1,527	0.09	0.01	—	1,532
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,527	1,527	0.09	0.01	—	1,532
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,527	1,527	0.09	0.01	—	1,532
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	253	253	0.01	< 0.005	—	254
Total	—	—	—	—	—	—	—	—	—	—	—	—	253	253	0.01	< 0.005	—	254

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,528	1,528	0.09	0.01	—	1,534
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,528	1,528	0.09	0.01	—	1,534
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,528	1,528	0.09	0.01	—	1,534
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,528	1,528	0.09	0.01	—	1,534
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	253	253	0.01	< 0.005	—	254
Total	—	—	—	—	—	—	—	—	—	—	—	—	253	253	0.01	< 0.005	—	254

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.19	0.10	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,061	2,061	0.18	< 0.005	—	2,067
Total	0.19	0.10	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,061	2,061	0.18	< 0.005	—	2,067
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.19	0.10	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,061	2,061	0.18	< 0.005	—	2,067
Total	0.19	0.10	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,061	2,061	0.18	< 0.005	—	2,067
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.03	0.02	0.30	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	341	341	0.03	< 0.005	—	342
Total	0.03	0.02	0.30	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	341	341	0.03	< 0.005	—	342

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.62	2.48	0.27	28.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.6	76.6	< 0.005	< 0.005	—	76.9
Total	2.62	15.3	0.27	28.7	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.6	76.6	< 0.005	< 0.005	—	76.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	12.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	2.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.33	0.31	0.03	3.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.69	8.69	< 0.005	< 0.005	—	8.72

Total	0.33	2.65	0.03	3.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.69	8.69	< 0.005	< 0.005	—	8.72

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.62	2.48	0.27	28.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.6	76.6	< 0.005	< 0.005	—	76.9
Total	2.62	15.3	0.27	28.7	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.6	76.6	< 0.005	< 0.005	—	76.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	12.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consum Products	—	2.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.33	0.31	0.03	3.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.69	8.69	< 0.005	< 0.005	—	8.72
Total	0.33	2.65	0.03	3.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.69	8.69	< 0.005	< 0.005	—	8.72

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Total	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Total	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	6.30	5.39	11.7	0.02	0.01	—	16.3
Total	—	—	—	—	—	—	—	—	—	—	—	6.30	5.39	11.7	0.02	0.01	—	16.3

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Total	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Total	—	—	—	—	—	—	—	—	—	—	—	38.1	32.5	70.6	0.13	0.08	—	98.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	6.30	5.39	11.7	0.02	0.01	—	16.3
Total	—	—	—	—	—	—	—	—	—	—	—	6.30	5.39	11.7	0.02	0.01	—	16.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Total	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Total	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	33.3	0.00	33.3	3.33	0.00	—	117
Total	—	—	—	—	—	—	—	—	—	—	—	33.3	0.00	33.3	3.33	0.00	—	117

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Total	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Total	—	—	—	—	—	—	—	—	—	—	—	201	0.00	201	20.1	0.00	—	704
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	33.3	0.00	33.3	3.33	0.00	—	117
Total	—	—	—	—	—	—	—	—	—	—	—	33.3	0.00	33.3	3.33	0.00	—	117

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.83	3.83
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Apartments Low Rise	3,697	4,111	3,171	1,343,466	40,158	44,657	34,453	14,594,777

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Low Rise	3,697	4,111	3,171	1,343,466	40,158	44,657	34,453	14,594,777

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	505
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	AQ-1-~~995~~

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	505
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1083982.5	361,328	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	2,498,915	223	0.0129	0.0017	6,431,723

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	2,501,038	223	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	17,805,795	3,169,087

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	17,805,795	3,169,087

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	373	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	373	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.8	annual days of extreme heat
Extreme Precipitation	6.35	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	58.2
AQ-PM	37.4
AQ-DPM	27.5
Drinking Water	61.1
Lead Risk Housing	92.2
Pesticides	7.24
Toxic Releases	21.8
Traffic	47.0
Effect Indicators	—
CleanUp Sites	80.9
Groundwater	99.2
Haz Waste Facilities/Generators	61.6
Impaired Water Bodies	0.00

Solid Waste	52.9
Sensitive Population	—
Asthma	93.4
Cardio-vascular	69.2
Low Birth Weights	79.4
Socioeconomic Factor Indicators	—
Education	62.9
Housing	73.4
Linguistic	39.2
Poverty	91.6
Unemployment	65.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.16296677
Employed	6.274862056
Median HI	6.672654947
Education	—
Bachelor's or higher	19.73566021
High school enrollment	12.79353266
Preschool enrollment	42.65366354
Transportation	—
Auto Access	24.89413576
Active commuting	74.06646991
Social	—

2-parent households	39.00936738
Voting	13.02450917
Neighborhood	—
Alcohol availability	41.6527653
Park access	47.42717824
Retail density	38.27794174
Supermarket access	72.19299371
Tree canopy	82.34312845
Housing	—
Homeownership	23.13614782
Housing habitability	24.91979982
Low-inc homeowner severe housing cost burden	13.20415758
Low-inc renter severe housing cost burden	43.7957141
Uncrowded housing	25.445913
Health Outcomes	—
Insured adults	37.80315668
Arthritis	0.0
Asthma ER Admissions	5.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	5.5
Cognitively Disabled	4.0
Physically Disabled	5.6

Heart Attack ER Admissions	16.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	96.7
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	67.6
English Speaking	43.4
Foreign-born	30.0
Outdoor Workers	48.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.3
Traffic Density	47.2
Traffic Access	66.1
Other Indices	—
Hardship	80.5
Other Decision Support	—
2016 Voting	6.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	83.0
Healthy Places Index Score for Project Location (b)	13.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	20% of total lot acreage is landscaped as in GP
Construction: Construction Phases	no demo

Sac Rezone Old Florin operations (before) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Old Florin operations (before)
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	37.8
Location	38.49656099729435, -121.39733654991514
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	774
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Low Rise	503	Dwelling Unit	25.2	533,180	219,717	—	1,408	—

AQ-1-1013

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.8	29.3	11.2	130	0.24	0.29	20.4	20.7	0.28	5.19	5.47	238	26,729	26,967	21.5	1.07	56.9	27,881
Mit.	17.6	29.2	9.63	129	0.23	0.16	20.4	20.6	0.15	5.19	5.34	238	24,677	24,916	21.3	1.07	56.9	25,824
% Reduced	1%	< 0.5%	14%	1%	4%	45%	—	1%	47%	—	2%	—	8%	8%	1%	< 0.5%	—	7%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.8	25.4	12.6	89.2	0.22	0.28	20.4	20.7	0.27	5.19	5.46	238	24,679	24,917	21.6	1.17	5.20	25,811
Mit.	13.6	25.3	11.0	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	238	22,627	22,865	21.4	1.16	5.20	23,753
% Reduced	1%	< 0.5%	13%	1%	5%	47%	—	1%	49%	—	2%	—	8%	8%	1%	< 0.5%	—	8%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.1	25.8	11.0	97.3	0.20	0.27	17.9	18.1	0.26	4.54	4.80	238	22,891	23,129	21.4	1.01	24.4	23,991
Mit.	14.0	25.7	9.36	96.6	0.19	0.14	17.9	18.0	0.13	4.54	4.67	238	20,839	21,078	21.2	1.01	24.4	21,934
% Reduced	1%	< 0.5%	15%	1%	5%	49%	—	1%	50%	—	3%	—	9%	9%	1%	< 0.5%	—	9%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.58	4.71	2.00	17.8	0.04	0.05	3.26	3.31	0.05	0.83	0.88	39.5	3,790	3,829	3.55	0.17	4.03	3,972
Mit.	2.55	4.70	1.71	17.6	0.03	0.03	3.26	3.28	0.02	0.83	0.85	39.5	3,450	3,490	3.52	0.17	4.03	3,631
% Reduced	1%	< 0.5%	15%	1%	5%	49%	—	1%	50%	—	3%	—	9%	9%	1%	< 0.5%	—	9%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.0	14.0	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33	—	23,046	23,046	1.03	0.98	53.1	23,416
Area	2.61	15.3	0.27	28.6	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.3	76.3	< 0.005	< 0.005	—	76.6
Energy	0.19	0.09	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	3,574	3,574	0.27	0.02	—	3,585
Water	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Total	17.8	29.3	11.2	130	0.24	0.29	20.4	20.7	0.28	5.19	5.47	238	26,729	26,967	21.5	1.07	56.9	27,881
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.6	12.5	11.0	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	—	21,072	21,072	1.19	1.07	1.38	21,422
Area	0.00	12.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.19	0.09	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	3,574	3,574	0.27	0.02	—	3,585
Water	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82

Total	13.8	25.4	12.6	89.2	0.22	0.28	20.4	20.7	0.27	5.19	5.46	238	24,679	24,917	21.6	1.17	5.20	25,811
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.2	11.3	9.17	77.0	0.19	0.13	17.9	18.0	0.12	4.54	4.66	—	19,232	19,232	0.99	0.91	20.5	19,550
Area	1.79	14.5	0.18	19.6	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	52.3	52.3	< 0.005	< 0.005	—	52.4
Energy	0.19	0.09	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	3,574	3,574	0.27	0.02	—	3,585
Water	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Total	14.1	25.8	11.0	97.3	0.20	0.27	17.9	18.1	0.26	4.54	4.80	238	22,891	23,129	21.4	1.01	24.4	23,991
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85	—	3,184	3,184	0.16	0.15	3.40	3,237
Area	0.33	2.64	0.03	3.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.65	8.65	< 0.005	< 0.005	—	8.68
Energy	0.03	0.02	0.30	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	592	592	0.04	< 0.005	—	594
Water	—	—	—	—	—	—	—	—	—	—	—	6.27	5.46	11.7	0.02	0.01	—	16.4
Waste	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.32	0.00	—	116
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
Total	2.58	4.71	2.00	17.8	0.04	0.05	3.26	3.31	0.05	0.83	0.88	39.5	3,790	3,829	3.55	0.17	4.03	3,972

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.0	14.0	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33	—	23,046	23,046	1.03	0.98	53.1	23,416
Area	2.61	15.3	0.27	28.6	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.3	76.3	< 0.005	< 0.005	—	76.6
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,522	1,522	0.09	0.01	—	1,528

Water	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Total	17.6	29.2	9.63	129	0.23	0.16	20.4	20.6	0.15	5.19	5.34	238	24,677	24,916	21.3	1.07	56.9	25,824
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.6	12.5	11.0	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	—	21,072	21,072	1.19	1.07	1.38	21,422
Area	0.00	12.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,522	1,522	0.09	0.01	—	1,528
Water	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Total	13.6	25.3	11.0	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	238	22,627	22,865	21.4	1.16	5.20	23,753
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.2	11.3	9.17	77.0	0.19	0.13	17.9	18.0	0.12	4.54	4.66	—	19,232	19,232	0.99	0.91	20.5	19,550
Area	1.79	14.5	0.18	19.6	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	52.3	52.3	< 0.005	< 0.005	—	52.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,522	1,522	0.09	0.01	—	1,528
Water	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Total	14.0	25.7	9.36	96.6	0.19	0.14	17.9	18.0	0.13	4.54	4.67	238	20,839	21,078	21.2	1.01	24.4	21,934
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85	—	3,184	3,184	0.16	0.15	3.40	3,237
Area	0.33	2.64	0.03	3.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.65	8.65	< 0.005	< 0.005	—	8.68
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	252	252	0.01	< 0.005	—	253
Water	—	—	—	—	—	—	—	—	—	—	—	6.27	5.46	11.7	0.02	0.01	—	16.4
Waste	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.32	0.00	—	116

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
Total	2.55	4.70	1.71	17.6	0.03	0.03	3.26	3.28	0.02	0.83	0.85	39.5	3,450	3,490	3.52	0.17	4.03	3,631

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	15.0	14.0	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33	—	23,046	23,046	1.03	0.98	53.1	23,416
Total	15.0	14.0	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33	—	23,046	23,046	1.03	0.98	53.1	23,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	13.6	12.5	11.0	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	—	21,072	21,072	1.19	1.07	1.38	21,422
Total	13.6	12.5	11.0	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	—	21,072	21,072	1.19	1.07	1.38	21,422
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85	—	3,184	3,184	0.16	0.15	3.40	3,237
Total	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85	—	3,184	3,184	0.16	0.15	3.40	3,237

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	15.0	14.0	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33	—	23,046	23,046	1.03	0.98	53.1	23,416
Total	15.0	14.0	9.36	100	0.23	0.14	20.4	20.6	0.14	5.19	5.33	—	23,046	23,046	1.03	0.98	53.1	23,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	13.6	12.5	11.0	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	—	21,072	21,072	1.19	1.07	1.38	21,422
Total	13.6	12.5	11.0	88.6	0.21	0.15	20.4	20.6	0.14	5.19	5.33	—	21,072	21,072	1.19	1.07	1.38	21,422
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85	—	3,184	3,184	0.16	0.15	3.40	3,237
Total	2.22	2.05	1.67	14.1	0.03	0.02	3.26	3.28	0.02	0.83	0.85	—	3,184	3,184	0.16	0.15	3.40	3,237

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,521	1,521	0.09	0.01	—	1,526
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,521	1,521	0.09	0.01	—	1,526
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,521	1,521	0.09	0.01	—	1,526
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,521	1,521	0.09	0.01	—	1,526
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	252	252	0.01	< 0.005	—	253
Total	—	—	—	—	—	—	—	—	—	—	—	—	252	252	0.01	< 0.005	—	253

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,522	1,522	0.09	0.01	—	1,528
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,522	1,522	0.09	0.01	—	1,528
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,522	1,522	0.09	0.01	—	1,528
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,522	1,522	0.09	0.01	—	1,528
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	252	252	0.01	< 0.005	—	253
Total	—	—	—	—	—	—	—	—	—	—	—	—	252	252	0.01	< 0.005	—	253

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.19	0.09	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,053	2,053	0.18	< 0.005	—	2,059
Total	0.19	0.09	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,053	2,053	0.18	< 0.005	—	2,059
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.19	0.09	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,053	2,053	0.18	< 0.005	—	2,059
Total	0.19	0.09	1.62	0.69	0.01	0.13	—	0.13	0.13	—	0.13	—	2,053	2,053	0.18	< 0.005	—	2,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.03	0.02	0.30	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.03	< 0.005	—	341
Total	0.03	0.02	0.30	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.03	< 0.005	—	341

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	11.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.61	2.47	0.27	28.6	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.3	76.3	< 0.005	< 0.005	—	76.6
Total	2.61	15.3	0.27	28.6	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.3	76.3	< 0.005	< 0.005	—	76.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	11.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	12.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	2.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.33	0.31	0.03	3.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.65	8.65	< 0.005	< 0.005	—	8.68

Total	0.33	2.64	0.03	3.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.65	8.65	< 0.005	< 0.005	—	8.68

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	11.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.61	2.47	0.27	28.6	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.3	76.3	< 0.005	< 0.005	—	76.6
Total	2.61	15.3	0.27	28.6	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	76.3	76.3	< 0.005	< 0.005	—	76.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	11.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	12.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consum Products	—	2.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.33	0.31	0.03	3.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.65	8.65	< 0.005	< 0.005	—	8.68
Total	0.33	2.64	0.03	3.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.65	8.65	< 0.005	< 0.005	—	8.68

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Total	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Total	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	6.27	5.46	11.7	0.02	0.01	—	16.4
Total	—	—	—	—	—	—	—	—	—	—	—	6.27	5.46	11.7	0.02	0.01	—	16.4

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Total	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Total	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	70.9	0.13	0.08	—	98.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	6.27	5.46	11.7	0.02	0.01	—	16.4
Total	—	—	—	—	—	—	—	—	—	—	—	6.27	5.46	11.7	0.02	0.01	—	16.4

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Total	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Total	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.32	0.00	—	116
Total	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.32	0.00	—	116

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Total	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Total	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.32	0.00	—	116
Total	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.32	0.00	—	116

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.82	3.82
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Apartments Low Rise	3,682	4,094	3,159	1,338,145	25,930	28,835	22,246	9,423,871

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Low Rise	3,682	4,094	3,159	1,338,145	25,930	28,835	22,246	9,423,871

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	503
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	503
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1079689.5	359,897	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	2,489,019	223	0.0129	0.0017	6,406,250

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Low Rise	2,491,142	223	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	17,735,277	3,750,558

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Low Rise	17,735,277	3,750,558

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	372	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	372	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19.3	annual days of extreme heat
Extreme Precipitation	5.70	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	48.6
AQ-PM	23.7
AQ-DPM	22.3
Drinking Water	78.8
Lead Risk Housing	41.2
Pesticides	73.8
Toxic Releases	30.3
Traffic	28.5
Effect Indicators	—
CleanUp Sites	86.5
Groundwater	88.9
Haz Waste Facilities/Generators	99.8
Impaired Water Bodies	51.2

Solid Waste	99.9
Sensitive Population	—
Asthma	50.2
Cardio-vascular	53.9
Low Birth Weights	36.4
Socioeconomic Factor Indicators	—
Education	47.5
Housing	61.9
Linguistic	43.9
Poverty	58.5
Unemployment	62.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	36.84075452
Employed	20.45425382
Median HI	23.26446811
Education	—
Bachelor's or higher	39.34300013
High school enrollment	100
Preschool enrollment	18.64493776
Transportation	—
Auto Access	37.4566919
Active commuting	70.79430258
Social	—

2-parent households	14.75683306
Voting	58.51405107
Neighborhood	—
Alcohol availability	64.62209675
Park access	12.70370846
Retail density	22.81534711
Supermarket access	13.65327858
Tree canopy	2.065956628
Housing	—
Homeownership	60.60567176
Housing habitability	41.69126139
Low-inc homeowner severe housing cost burden	38.58591043
Low-inc renter severe housing cost burden	7.737713332
Uncrowded housing	46.38778391
Health Outcomes	—
Insured adults	43.96253048
Arthritis	0.0
Asthma ER Admissions	49.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	16.0
Cognitively Disabled	21.0
Physically Disabled	7.2

Heart Attack ER Admissions	53.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	98.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	59.5
Elderly	21.1
English Speaking	31.0
Foreign-born	59.3
Outdoor Workers	28.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	91.1
Traffic Density	37.8
Traffic Access	23.0
Other Indices	—
Hardship	62.5
Other Decision Support	—
2016 Voting	63.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	70.0
Healthy Places Index Score for Project Location (b)	29.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	South Florin

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	No demo
Land Use	landscape area = 20% of total lot acreage

Sac Rezone Largest Site Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

3.2. Site Preparation (2025) - Mitigated

3.3. Grading (2025) - Unmitigated

3.4. Grading (2025) - Mitigated

3.5. Building Construction (2025) - Unmitigated

3.6. Building Construction (2025) - Mitigated

3.7. Building Construction (2026) - Unmitigated

3.8. Building Construction (2026) - Mitigated

3.9. Paving (2026) - Unmitigated

3.10. Paving (2026) - Mitigated

3.11. Architectural Coating (2026) - Unmitigated

3.12. Architectural Coating (2026) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sac Rezone Largest Site
Construction Start Date	1/1/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	3.00
Location	9525 Folsom Blvd, Sacramento, CA 95827, USA
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	751
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Apartments Mid Rise	458	Dwelling Unit	11.4	439,680	87,936	—	1,282	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.02	190	14.0	33.9	0.03	0.45	3.70	4.15	0.42	0.88	1.30	—	7,557	7,557	0.25	0.36	18.1	7,689
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.01	3.38	31.7	31.0	0.06	1.37	7.84	9.21	1.26	3.98	5.24	—	7,136	7,136	0.27	0.36	0.47	7,251
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.17	10.9	11.9	20.8	0.03	0.41	2.76	3.17	0.38	0.76	1.14	—	5,078	5,078	0.18	0.23	4.75	5,154
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.40	2.00	2.18	3.79	< 0.005	0.08	0.50	0.58	0.07	0.14	0.21	—	841	841	0.03	0.04	0.79	853

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.02	2.58	14.0	33.9	0.03	0.45	3.70	4.15	0.42	0.88	1.30	—	7,557	7,557	0.25	0.36	18.1	7,689
2026	2.88	190	13.1	32.5	0.03	0.40	3.70	4.10	0.37	0.88	1.25	—	7,455	7,455	0.24	0.35	16.5	7,583
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.01	3.38	31.7	31.0	0.06	1.37	7.84	9.21	1.26	3.98	5.24	—	7,136	7,136	0.27	0.36	0.47	7,251
2026	2.66	2.32	13.5	27.6	0.03	0.40	3.70	4.10	0.37	0.88	1.25	—	7,044	7,044	0.26	0.36	0.43	7,158
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.17	1.83	11.9	20.8	0.03	0.41	2.76	3.17	0.38	0.76	1.14	—	5,078	5,078	0.18	0.23	4.75	5,154
2026	0.65	10.9	3.35	6.84	0.01	0.11	0.85	0.95	0.10	0.20	0.30	—	1,684	1,684	0.06	0.08	1.62	1,711
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.40	0.33	2.18	3.79	< 0.005	0.08	0.50	0.58	0.07	0.14	0.21	—	841	841	0.03	0.04	0.79	853
2026	0.12	2.00	0.61	1.25	< 0.005	0.02	0.15	0.17	0.02	0.04	0.05	—	279	279	0.01	0.01	0.27	283

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.02	2.58	14.0	33.9	0.03	0.45	3.70	4.15	0.42	0.88	1.30	—	7,557	7,557	0.25	0.36	18.1	7,689
2026	2.88	190	13.1	32.5	0.03	0.40	3.70	4.10	0.37	0.88	1.25	—	7,455	7,455	0.24	0.35	16.5	7,583
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	4.01	3.38	31.7	31.0	0.06	1.37	7.84	9.21	1.26	3.98	5.24	—	7,136	7,136	0.27	0.36	0.47	7,251
2026	2.66	2.32	13.5	27.6	0.03	0.40	3.70	4.10	0.37	0.88	1.25	—	7,044	7,044	0.26	0.36	0.43	7,158
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.17	1.83	11.9	20.8	0.03	0.41	2.76	3.17	0.38	0.76	1.14	—	5,078	5,078	0.18	0.23	4.75	5,154
2026	0.65	10.9	3.35	6.84	0.01	0.11	0.85	0.95	0.10	0.20	0.30	—	1,684	1,684	0.06	0.08	1.62	1,711
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.40	0.33	2.18	3.79	< 0.005	0.08	0.50	0.58	0.07	0.14	0.21	—	841	841	0.03	0.04	0.79	853
2026	0.12	2.00	0.61	1.25	< 0.005	0.02	0.15	0.17	0.02	0.04	0.05	—	279	279	0.01	0.01	0.27	283

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.7	23.9	12.4	136	0.26	0.31	21.6	21.9	0.30	5.48	5.78	217	29,356	29,573	19.6	1.09	84.3	30,473
Mit.	14.5	23.5	10.9	135	0.25	0.19	21.6	21.8	0.18	5.48	5.65	217	27,396	27,613	19.4	1.09	84.3	28,507
% Reduced	1%	2%	12%	< 0.5%	4%	40%	—	1%	42%	—	2%	—	7%	7%	1%	< 0.5%	—	6%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.3	20.5	14.0	91.2	0.24	0.30	21.6	21.9	0.29	5.48	5.77	217	27,064	27,281	19.7	1.19	5.25	28,133
Mit.	11.1	20.1	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	217	25,104	25,321	19.5	1.18	5.25	26,167
% Reduced	2%	2%	11%	1%	4%	41%	—	1%	43%	—	2%	—	7%	7%	1%	< 0.5%	—	7%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	12.4	21.6	12.8	104	0.23	0.30	20.5	20.8	0.29	5.20	5.49	217	26,394	26,611	19.6	1.09	36.5	27,462
Mit.	12.2	21.2	11.3	104	0.22	0.18	20.5	20.6	0.16	5.20	5.36	217	24,433	24,650	19.4	1.08	36.5	25,496
% Reduced	1%	2%	12%	1%	4%	41%	—	1%	43%	—	2%	—	7%	7%	1%	< 0.5%	—	7%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.26	3.94	2.34	19.0	0.04	0.06	3.73	3.79	0.05	0.95	1.00	35.9	4,370	4,406	3.25	0.18	6.04	4,547
Mit.	2.22	3.87	2.06	18.9	0.04	0.03	3.73	3.77	0.03	0.95	0.98	35.9	4,045	4,081	3.22	0.18	6.04	4,221
% Reduced	1%	2%	12%	1%	4%	41%	—	1%	43%	—	2%	—	7%	7%	1%	< 0.5%	—	7%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.1	11.0	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64	—	25,633	25,633	0.99	1.00	81.2	26,036
Area	2.41	12.7	0.25	26.0	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	69.5	69.5	< 0.005	< 0.005	—	69.7
Energy	0.18	0.09	1.55	0.66	0.01	0.12	—	0.12	0.12	—	0.12	—	3,621	3,621	0.25	0.01	—	3,631
Water	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Waste	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	14.7	23.9	12.4	136	0.26	0.31	21.6	21.9	0.30	5.48	5.78	217	29,356	29,573	19.6	1.09	84.3	30,473
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	—	23,410	23,410	1.10	1.10	2.10	23,766
Area	0.00	10.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.18	0.09	1.55	0.66	0.01	0.12	—	0.12	0.12	—	0.12	—	3,621	3,621	0.25	0.01	—	3,631

Water	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Waste	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	11.3	20.5	14.0	91.2	0.24	0.30	21.6	21.9	0.29	5.48	5.77	217	27,064	27,281	19.7	1.19	5.25	28,133
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.5	9.50	11.1	85.7	0.22	0.17	20.5	20.6	0.16	5.20	5.36	—	22,692	22,692	0.99	1.00	33.3	23,048
Area	1.65	12.0	0.17	17.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	47.6	47.6	< 0.005	< 0.005	—	47.8
Energy	0.18	0.09	1.55	0.66	0.01	0.12	—	0.12	0.12	—	0.12	—	3,621	3,621	0.25	0.01	—	3,631
Water	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Waste	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	12.4	21.6	12.8	104	0.23	0.30	20.5	20.8	0.29	5.20	5.49	217	26,394	26,611	19.6	1.09	36.5	27,462
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98	—	3,757	3,757	0.16	0.17	5.52	3,816
Area	0.30	2.19	0.03	3.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	7.88	7.88	< 0.005	< 0.005	—	7.91
Energy	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	599	599	0.04	< 0.005	—	601
Water	—	—	—	—	—	—	—	—	—	—	—	5.71	5.58	11.3	0.02	0.01	—	15.5
Waste	—	—	—	—	—	—	—	—	—	—	—	30.2	0.00	30.2	3.02	0.00	—	106
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Total	2.26	3.94	2.34	19.0	0.04	0.06	3.73	3.79	0.05	0.95	1.00	35.9	4,370	4,406	3.25	0.18	6.04	4,547

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	12.1	11.0	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64	—	25,633	25,633	0.99	1.00	81.2	26,036
Area	2.41	12.4	0.25	26.0	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	69.5	69.5	< 0.005	< 0.005	—	69.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,660	1,660	0.08	0.01	—	1,665
Water	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Waste	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	14.5	23.5	10.9	135	0.25	0.19	21.6	21.8	0.18	5.48	5.65	217	27,396	27,613	19.4	1.09	84.3	28,507
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	—	23,410	23,410	1.10	1.10	2.10	23,766
Area	0.00	10.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,660	1,660	0.08	0.01	—	1,665
Water	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Waste	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	11.1	20.1	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	217	25,104	25,321	19.5	1.18	5.25	26,167
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.5	9.50	11.1	85.7	0.22	0.17	20.5	20.6	0.16	5.20	5.36	—	22,692	22,692	0.99	1.00	33.3	23,048
Area	1.65	11.7	0.17	17.8	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	47.6	47.6	< 0.005	< 0.005	—	47.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,660	1,660	0.08	0.01	—	1,665
Water	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Waste	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	12.2	21.2	11.3	104	0.22	0.18	20.5	20.6	0.16	5.20	5.36	217	24,433	24,650	19.4	1.08	36.5	25,496
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98	—	3,757	3,757	0.16	0.17	5.52	3,816
Area	0.30	2.14	0.03	3.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	7.88	7.88	< 0.005	< 0.005	—	7.91

Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	275	275	0.01	< 0.005	—	276
Water	—	—	—	—	—	—	—	—	—	—	—	5.71	5.58	11.3	0.02	0.01	—	15.5
Waste	—	—	—	—	—	—	—	—	—	—	—	30.2	0.00	30.2	3.02	0.00	—	106
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Total	2.22	3.87	2.06	18.9	0.04	0.03	3.73	3.77	0.03	0.95	0.98	35.9	4,045	4,081	3.22	0.18	6.04	4,221

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	0.83	< 0.005	0.04	—	0.04	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146

Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.78	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	176	176	< 0.005	0.01	0.02	179
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.96	4.96	< 0.005	< 0.005	0.01	5.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.82	0.82	< 0.005	< 0.005	< 0.005	0.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	0.83	< 0.005	0.04	—	0.04	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.78	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	176	176	< 0.005	0.01	0.02	179
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.96	4.96	< 0.005	< 0.005	0.01	5.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.82	0.82	< 0.005	< 0.005	< 0.005	0.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.26	2.44	2.33	0.01	0.10	—	0.10	0.09	—	0.09	—	542	542	0.02	< 0.005	—	544
Dust From Material Movement	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	—	89.8	89.8	< 0.005	< 0.005	—	90.1
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	0.89	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	202	202	< 0.005	0.01	0.02	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.0	17.0	< 0.005	< 0.005	0.03	17.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.81	2.81	< 0.005	< 0.005	0.01	2.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622

Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.26	2.44	2.33	0.01	0.10	—	0.10	0.09	—	0.09	—	542	542	0.02	< 0.005	—	544
Dust From Material Movement	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	—	89.8	89.8	< 0.005	< 0.005	—	90.1
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	0.89	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	202	202	< 0.005	0.01	0.02	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.0	17.0	< 0.005	< 0.005	0.03	17.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.81	2.81	< 0.005	< 0.005	0.01	2.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.81	0.68	6.32	7.89	0.01	0.26	—	0.26	0.24	—	0.24	—	1,450	1,450	0.06	0.01	—	1,455
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.15	1.44	< 0.005	0.05	—	0.05	0.04	—	0.04	—	240	240	0.01	< 0.005	—	241
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.52	1.39	0.96	19.9	0.00	0.00	3.33	3.33	0.00	0.78	0.78	—	3,743	3,743	0.06	0.13	14.4	3,799
Vendor	0.16	0.06	2.57	0.95	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,416	1,416	0.09	0.21	3.68	1,484
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.39	1.24	1.22	14.6	0.00	0.00	3.33	3.33	0.00	0.78	0.78	—	3,323	3,323	0.08	0.13	0.37	3,365
Vendor	0.15	0.05	2.74	0.97	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,415	1,415	0.09	0.21	0.10	1,480
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.75	0.66	9.04	0.00	0.00	2.01	2.01	0.00	0.47	0.47	—	2,062	2,062	0.04	0.08	3.75	2,091
Vendor	0.09	0.04	1.63	0.58	0.01	0.01	0.22	0.24	0.01	0.06	0.07	—	856	856	0.06	0.13	0.96	896
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.12	1.65	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	341	341	0.01	0.01	0.62	346
Vendor	0.02	0.01	0.30	0.11	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	142	142	0.01	0.02	0.16	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	6.32	7.89	0.01	0.26	—	0.26	0.24	—	0.24	—	1,450	1,450	0.06	0.01	—	1,455
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.15	1.44	< 0.005	0.05	—	0.05	0.04	—	0.04	—	240	240	0.01	< 0.005	—	241
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.52	1.39	0.96	19.9	0.00	0.00	3.33	3.33	0.00	0.78	0.78	—	3,743	3,743	0.06	0.13	14.4	3,799
Vendor	0.16	0.06	2.57	0.95	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,416	1,416	0.09	0.21	3.68	1,484
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.39	1.24	1.22	14.6	0.00	0.00	3.33	3.33	0.00	0.78	0.78	—	3,323	3,323	0.08	0.13	0.37	3,365
Vendor	0.15	0.05	2.74	0.97	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,415	1,415	0.09	0.21	0.10	1,480
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.75	0.66	9.04	0.00	0.00	2.01	2.01	0.00	0.47	0.47	—	2,062	2,062	0.04	0.08	3.75	2,091
Vendor	0.09	0.04	1.63	0.58	0.01	0.01	0.22	0.24	0.01	0.06	0.07	—	856	856	0.06	0.13	0.96	896
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.12	1.65	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	341	341	0.01	0.01	0.62	346
Vendor	0.02	0.01	0.30	0.11	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	142	142	0.01	0.02	0.16	148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.14	2.82	0.01	0.08	—	0.08	0.08	—	0.08	—	521	521	0.02	< 0.005	—	523
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.51	< 0.005	0.02	—	0.02	0.01	—	0.01	—	86.2	86.2	< 0.005	< 0.005	—	86.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.45	1.32	0.85	18.6	0.00	0.00	3.33	3.33	0.00	0.78	0.78	—	3,670	3,670	0.05	0.13	13.1	3,722
Vendor	0.14	0.05	2.40	0.91	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,388	1,388	0.09	0.21	3.34	1,456
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23	1.20	1.10	13.7	0.00	0.00	3.33	3.33	0.00	0.78	0.78	—	3,259	3,259	0.07	0.13	0.34	3,301

Vendor	0.14	0.05	2.57	0.93	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,387	1,387	0.09	0.21	0.09	1,452
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.21	3.03	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	727	727	0.01	0.03	1.23	737
Vendor	0.03	0.01	0.55	0.20	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	301	301	0.02	0.05	0.31	316
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	120	120	< 0.005	< 0.005	0.20	122
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	49.9	49.9	< 0.005	0.01	0.05	52.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.14	2.82	0.01	0.08	—	0.08	0.08	—	0.08	—	521	521	0.02	< 0.005	—	523
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.51	< 0.005	0.02	—	0.02	0.01	—	0.01	—	86.2	86.2	< 0.005	< 0.005	—	86.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.45	1.32	0.85	18.6	0.00	0.00	3.33	3.33	0.00	0.78	0.78	—	3,670	3,670	0.05	0.13	13.1	3,722
Vendor	0.14	0.05	2.40	0.91	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,388	1,388	0.09	0.21	3.34	1,456
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23	1.20	1.10	13.7	0.00	0.00	3.33	3.33	0.00	0.78	0.78	—	3,259	3,259	0.07	0.13	0.34	3,301
Vendor	0.14	0.05	2.57	0.93	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,387	1,387	0.09	0.21	0.09	1,452
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.21	3.03	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	727	727	0.01	0.03	1.23	737
Vendor	0.03	0.01	0.55	0.20	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	301	301	0.02	0.05	0.31	316
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.55	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	120	120	< 0.005	< 0.005	0.20	122

Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	49.9	49.9	< 0.005	0.01	0.05	52.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.85	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	167	167	< 0.005	0.01	0.60	169
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.34	8.34	< 0.005	< 0.005	0.01	8.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.85	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	167	167	< 0.005	0.01	0.60	169
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.34	8.34	< 0.005	< 0.005	0.01	8.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	189	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.17	3.72	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	734	734	0.01	0.03	2.62	744
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.7	36.7	< 0.005	< 0.005	0.06	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.07	6.07	< 0.005	< 0.005	0.01	6.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	189	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.17	3.72	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	734	734	0.01	0.03	2.62	744
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.7	36.7	< 0.005	< 0.005	0.06	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.07	6.07	< 0.005	< 0.005	0.01	6.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	12.1	11.0	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64	—	25,633	25,633	0.99	1.00	81.2	26,036
Total	12.1	11.0	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64	—	25,633	25,633	0.99	1.00	81.2	26,036
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	—	23,410	23,410	1.10	1.10	2.10	23,766
Total	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	—	23,410	23,410	1.10	1.10	2.10	23,766
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98	—	3,757	3,757	0.16	0.17	5.52	3,816
Total	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98	—	3,757	3,757	0.16	0.17	5.52	3,816

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	12.1	11.0	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64	—	25,633	25,633	0.99	1.00	81.2	26,036
Total	12.1	11.0	10.6	109	0.25	0.18	21.6	21.7	0.17	5.48	5.64	—	25,633	25,633	0.99	1.00	81.2	26,036
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	—	23,410	23,410	1.10	1.10	2.10	23,766

Total	11.1	9.98	12.5	90.6	0.23	0.18	21.6	21.7	0.17	5.48	5.64	—	23,410	23,410	1.10	1.10	2.10	23,766
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98	—	3,757	3,757	0.16	0.17	5.52	3,816
Total	1.92	1.73	2.03	15.6	0.04	0.03	3.73	3.77	0.03	0.95	0.98	—	3,757	3,757	0.16	0.17	5.52	3,816

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659	0.08	0.01	—	1,664
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659	0.08	0.01	—	1,664
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659	0.08	0.01	—	1,664
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659	0.08	0.01	—	1,664
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	275	275	0.01	< 0.005	—	275
Total	—	—	—	—	—	—	—	—	—	—	—	—	275	275	0.01	< 0.005	—	275

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,660	1,660	0.08	0.01	—	1,665
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,660	1,660	0.08	0.01	—	1,665
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,660	1,660	0.08	0.01	—	1,665
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,660	1,660	0.08	0.01	—	1,665
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	275	275	0.01	< 0.005	—	276
Total	—	—	—	—	—	—	—	—	—	—	—	—	275	275	0.01	< 0.005	—	276

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	0.18	0.09	1.55	0.66	0.01	0.12	—	0.12	0.12	—	0.12	—	1,962	1,962	0.17	< 0.005	—	1,968
Total	0.18	0.09	1.55	0.66	0.01	0.12	—	0.12	0.12	—	0.12	—	1,962	1,962	0.17	< 0.005	—	1,968
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.18	0.09	1.55	0.66	0.01	0.12	—	0.12	0.12	—	0.12	—	1,962	1,962	0.17	< 0.005	—	1,968
Total	0.18	0.09	1.55	0.66	0.01	0.12	—	0.12	0.12	—	0.12	—	1,962	1,962	0.17	< 0.005	—	1,968
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	325	325	0.03	< 0.005	—	326
Total	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	325	325	0.03	< 0.005	—	326

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	9.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.41	2.28	0.25	26.0	< 0.005	0.01	—	0.01	0.01	—	0.01	—	69.5	69.5	< 0.005	< 0.005	—	69.7
Total	2.41	12.7	0.25	26.0	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	69.5	69.5	< 0.005	< 0.005	—	69.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consumer Products	—	9.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	10.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	1.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.30	0.29	0.03	3.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.88	7.88	< 0.005	< 0.005	—	7.91
Total	0.30	2.19	0.03	3.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	7.88	7.88	< 0.005	< 0.005	—	7.91

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	9.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	2.41	2.28	0.25	26.0	< 0.005	0.01	—	0.01	0.01	—	0.01	—	69.5	69.5	< 0.005	< 0.005	—	69.7
Total	2.41	12.4	0.25	26.0	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	69.5	69.5	< 0.005	< 0.005	—	69.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	9.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	10.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	1.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.30	0.29	0.03	3.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.88	7.88	< 0.005	< 0.005	—	7.91
Total	0.30	2.14	0.03	3.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	7.88	7.88	< 0.005	< 0.005	—	7.91

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Total	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Total	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	5.71	5.58	11.3	0.02	0.01	—	15.5
Total	—	—	—	—	—	—	—	—	—	—	—	5.71	5.58	11.3	0.02	0.01	—	15.5

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Total	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Total	—	—	—	—	—	—	—	—	—	—	—	34.5	33.7	68.2	0.12	0.08	—	93.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	5.71	5.58	11.3	0.02	0.01	—	15.5
Total	—	—	—	—	—	—	—	—	—	—	—	5.71	5.58	11.3	0.02	0.01	—	15.5

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Total	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Total	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	30.2	0.00	30.2	3.02	0.00	—	106
Total	—	—	—	—	—	—	—	—	—	—	—	30.2	0.00	30.2	3.02	0.00	—	106

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Total	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Total	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	638
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	30.2	0.00	30.2	3.02	0.00	—	106
Total	—	—	—	—	—	—	—	—	—	—	—	30.2	0.00	30.2	3.02	0.00	—	106

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.15	3.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2025	1/14/2025	5.00	10.0	—
Grading	Grading	1/15/2025	2/25/2025	5.00	30.0	—
Building Construction	Building Construction	2/26/2025	4/21/2026	5.00	300	—
Paving	Paving	4/22/2026	5/19/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	5/20/2026	6/16/2026	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Backh	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	330	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	49.0	8.80	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	66.0	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	330	14.3	LDA,LDT1,LDT2

Building Construction	Vendor	49.0	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	66.0	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	890,352	296,784	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

Site Preparation	—	—	15.0	0.00	—
Grading	—	—	90.0	0.00	—
Paving	0.00	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	295	0.01	< 0.005
2026	0.00	279	0.01	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	2,492	2,249	1,873	864,508	30,404	27,442	22,859	10,549,670

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Apartments Mid Rise	2,492	2,249	1,873	864,508	30,404	27,442	22,859	10,549,670

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	458
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	458

Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
890352	296,784	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	2,267,290	267	0.0129	0.0017	6,122,530

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	2,269,291	267	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	16,148,622	1,501,065

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	16,148,622	1,501,065

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	339	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	339	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.7	annual days of extreme heat
Extreme Precipitation	6.00	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	2	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	2	1	1	3
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	53.7
AQ-PM	37.6
AQ-DPM	57.1
Drinking Water	55.8
Lead Risk Housing	32.5
Pesticides	0.00
Toxic Releases	24.2
Traffic	76.4
Effect Indicators	—
CleanUp Sites	58.2
Groundwater	35.0
Haz Waste Facilities/Generators	19.2
Impaired Water Bodies	51.2
Solid Waste	0.00

Sensitive Population	—
Asthma	71.2
Cardio-vascular	80.6
Low Birth Weights	0.74
Socioeconomic Factor Indicators	—
Education	16.2
Housing	21.1
Linguistic	17.3
Poverty	56.4
Unemployment	76.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	54.45912999
Employed	22.03259335
Median HI	48.69754908
Education	—
Bachelor's or higher	69.9987168
High school enrollment	100
Preschool enrollment	62.73578853
Transportation	—
Auto Access	40.90850764
Active commuting	78.46785577
Social	—
2-parent households	98.06236366

Voting	75.2213525
Neighborhood	—
Alcohol availability	49.6856153
Park access	81.35506224
Retail density	38.85538304
Supermarket access	9.867830104
Tree canopy	89.04144745
Housing	—
Homeownership	58.89901193
Housing habitability	72.46246632
Low-inc homeowner severe housing cost burden	81.86834339
Low-inc renter severe housing cost burden	57.42332863
Uncrowded housing	71.88502502
Health Outcomes	—
Insured adults	77.62094187
Arthritis	0.0
Asthma ER Admissions	30.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	14.3
Cognitively Disabled	91.4
Physically Disabled	71.5
Heart Attack ER Admissions	22.0

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	92.2
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	10.6
Elderly	18.2
English Speaking	71.1
Foreign-born	24.6
Outdoor Workers	52.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	61.6
Traffic Density	88.7
Traffic Access	64.8
Other Indices	—
Hardship	48.1
Other Decision Support	—
2016 Voting	63.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	42.0
Healthy Places Index Score for Project Location (b)	63.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	units and acreage from excel sheet; 439680/5=87936
Construction: Construction Phases	no demo
Construction: Architectural Coatings	Sac metro rule 301: Flat coating limit = 50 g/L, nonflat coating = 100 g/L, roof coating = 50 g/L, driveway sealers = 50 g/L
Operations: Architectural Coatings	Sac metro rule 301, VOC limits: flat coating = 50 g/L, nonflat coating = 100 g/L, driveway sealer = 100 g/L