

# Sacramento County Climate Action Plan

## Communitywide Greenhouse Gas Reduction and Climate Change Adaptation (Communitywide CAP)



**Communitywide CAP Public Workshops  
November 15<sup>th</sup> and 16<sup>th</sup>, 2016**

# Welcome and Introductions

- County Staff:
  - Surinder Singh, Principal Planner
  - John Lundgren, Senior Planner
  - Todd Taylor, Associate Planner/Project Manager
  - Judy Robinson, Sustainability Manager
  - Jose Mendez, Supervising Code Enforcement Officer
- Consultants: Ascent Environmental, Inc.
  - Honey Walters, Principal
  - Erik de Kok, Senior Planner/Project Manager
  - Dimitri Antoniou, Climate Change Specialist
  - Elizabeth Boyd, Outreach Specialist

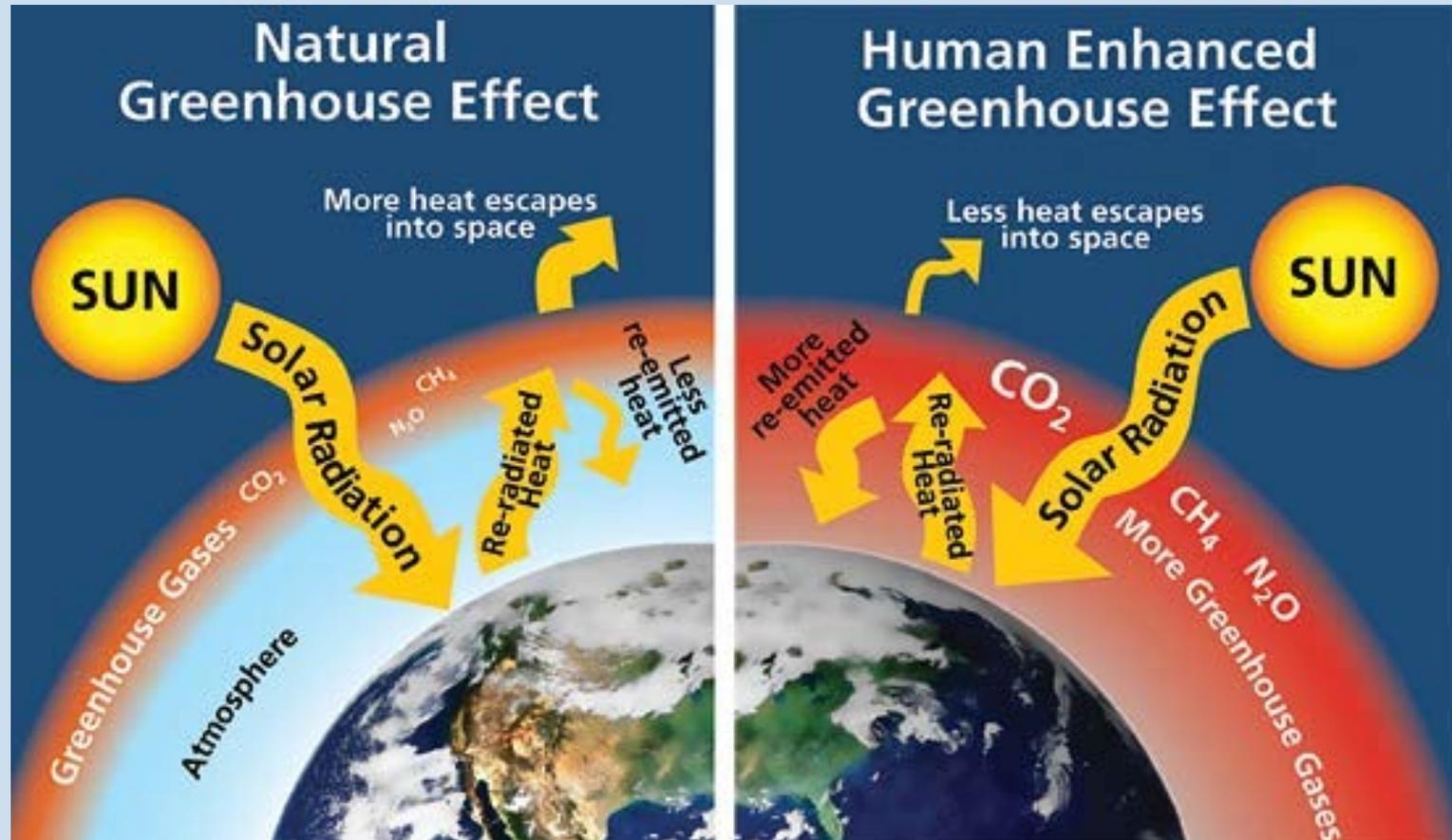
# Meeting Purpose

- Provide background and information on the climate action planning process.
- Receive community input.
- Connect climate action with community needs and concerns.
- Explore opportunities to improve community livability and sustainability

# Agenda

- Introductions/Welcome
- Climate Change 101
  - What is it?
  - Why should you care?
- What is the County doing
  - How you can help.
- Large Group Discussion / Q&A
- Open House

# Climate Change 101



# Climate Change 101

CARBON DIOXIDE



transportation  
fossil fuel combustion  
coal and crude oil

METHANE



natural gas systems  
landfills  
agriculture

NITROUS OXIDE



manufacturing  
agriculture  
cars

HYDROFLUOROCARBONS



semiconductor manufacturing

PERFLUOROCARBONS



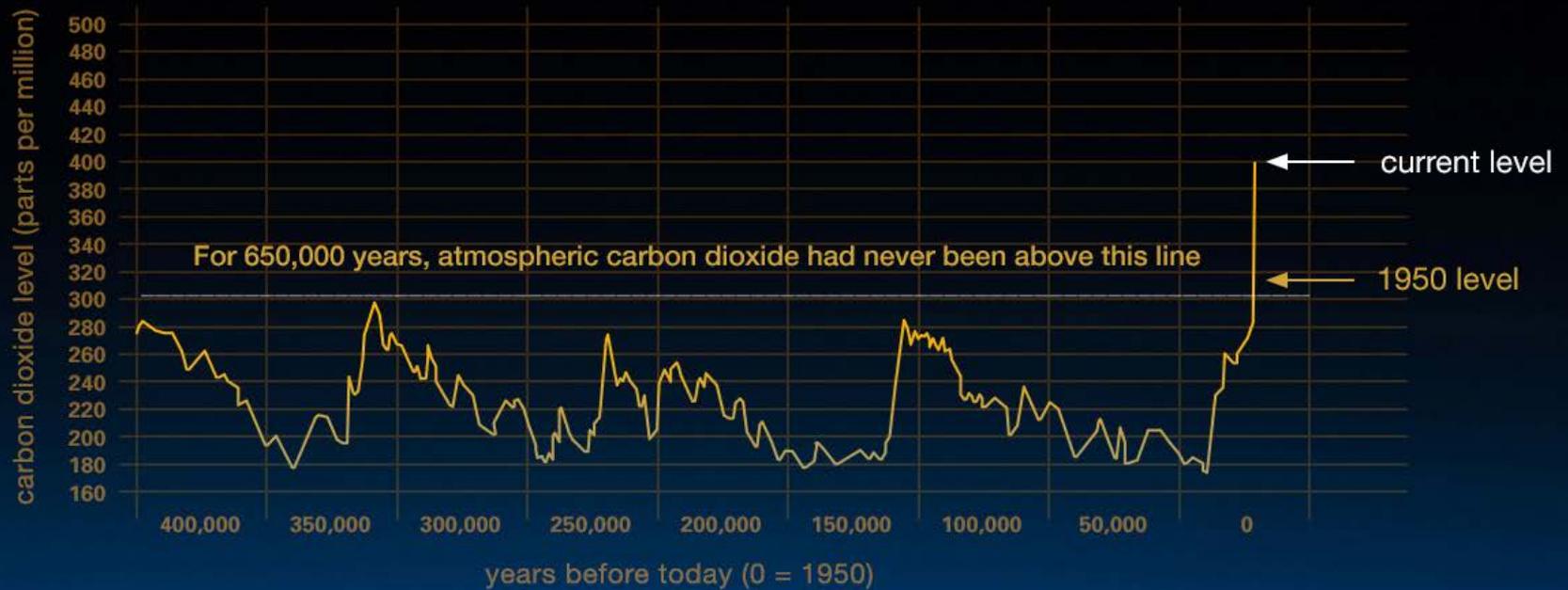
aluminium production

SULFUR HEXAFLUORIDE

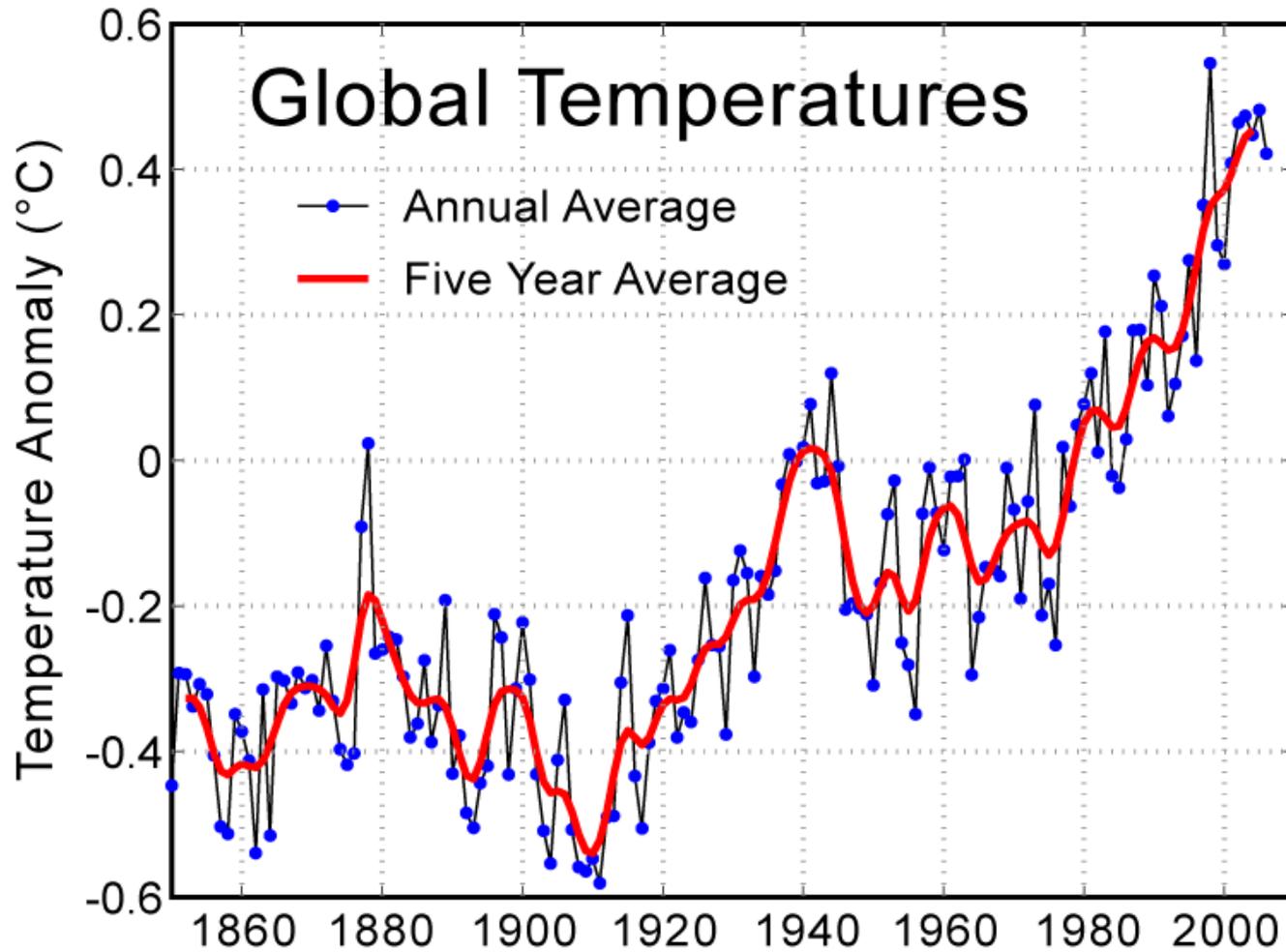


electrical transmission  
magnesium production

# Climate Change 101



# Climate Change 101



# Climate Change Will Affect Sacramento

- Hotter temperatures, more extreme heat events
- More unpredictable precipitation and flooding
- Loss of snowpack, impacts to water supply
- Increased wildfire risks
- Agriculture impacts

# Temperature Change

DATA SOURCES ► DOWNLOAD ► SHARE ►

## LOCAL CLIMATE SNAPSHOTS

Sacramento County, CA

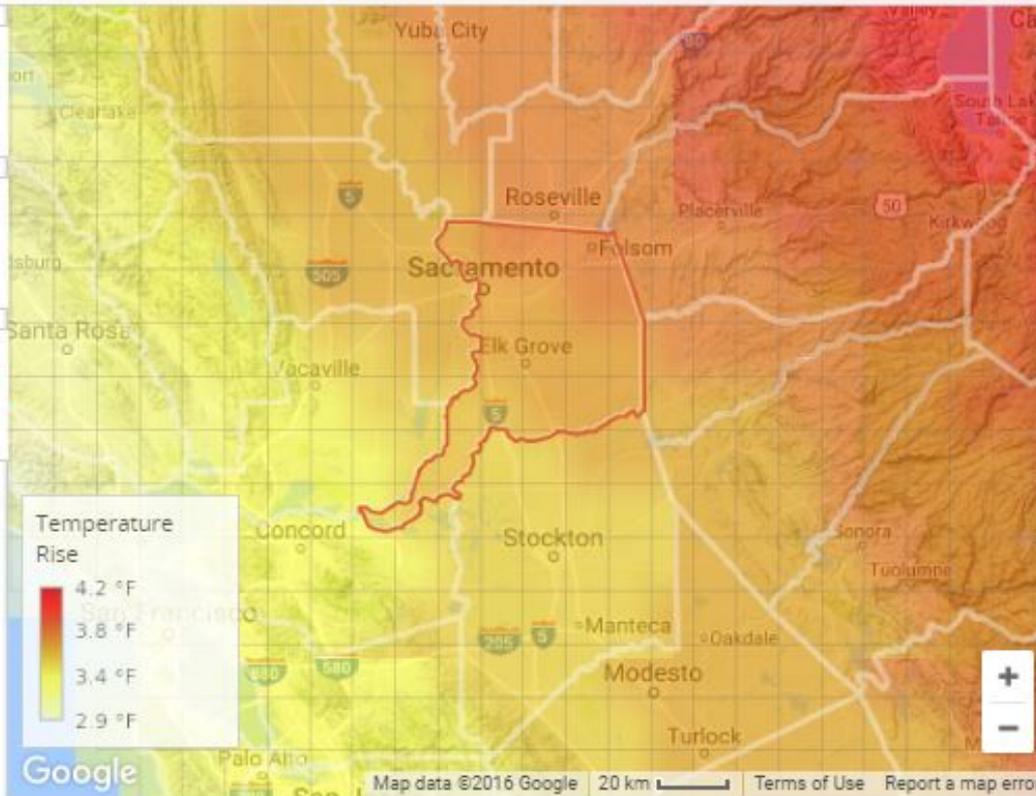


Use Metric Units  Use County Average



### Temperature

Projected changes in annual average temperatures for the low emissions scenario

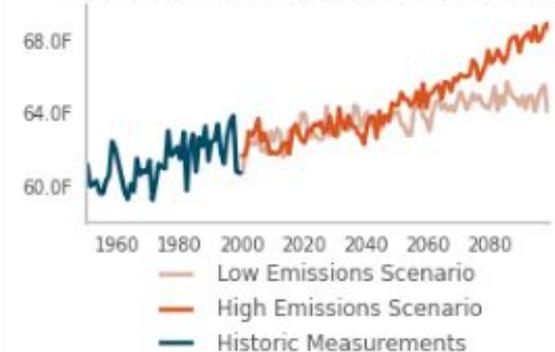


### SACRAMENTO COUNTY

The information in the chart below corresponds to the selected area on the map (outlined in orange).

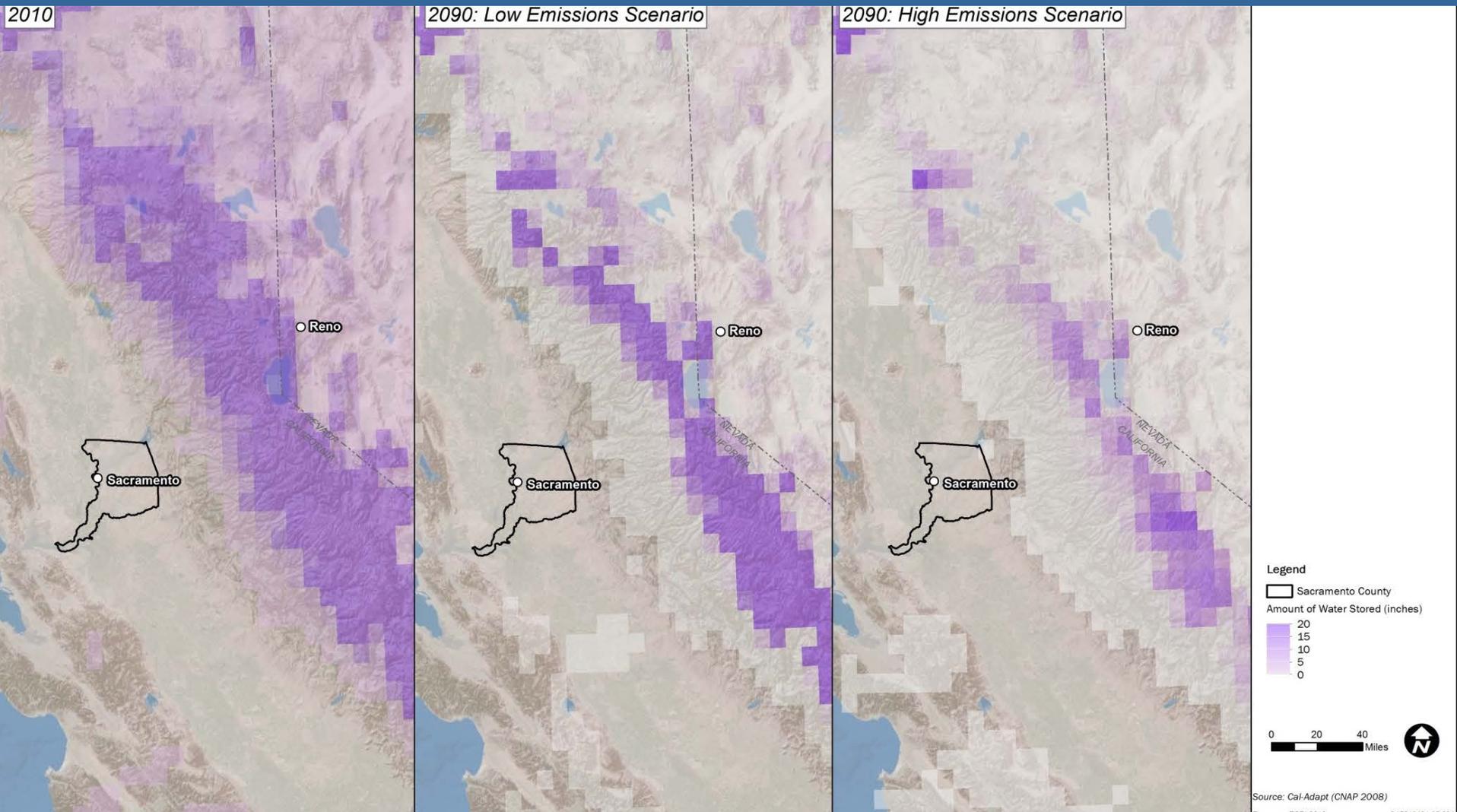
Historical Average	61.3 °F
Low-Emissions Scenario:	64.8 °F <b>+3.5 °F</b>
High-Emissions Scenario:	67.5 °F <b>+6.2 °F</b>

### Observed and Projected Temperatures

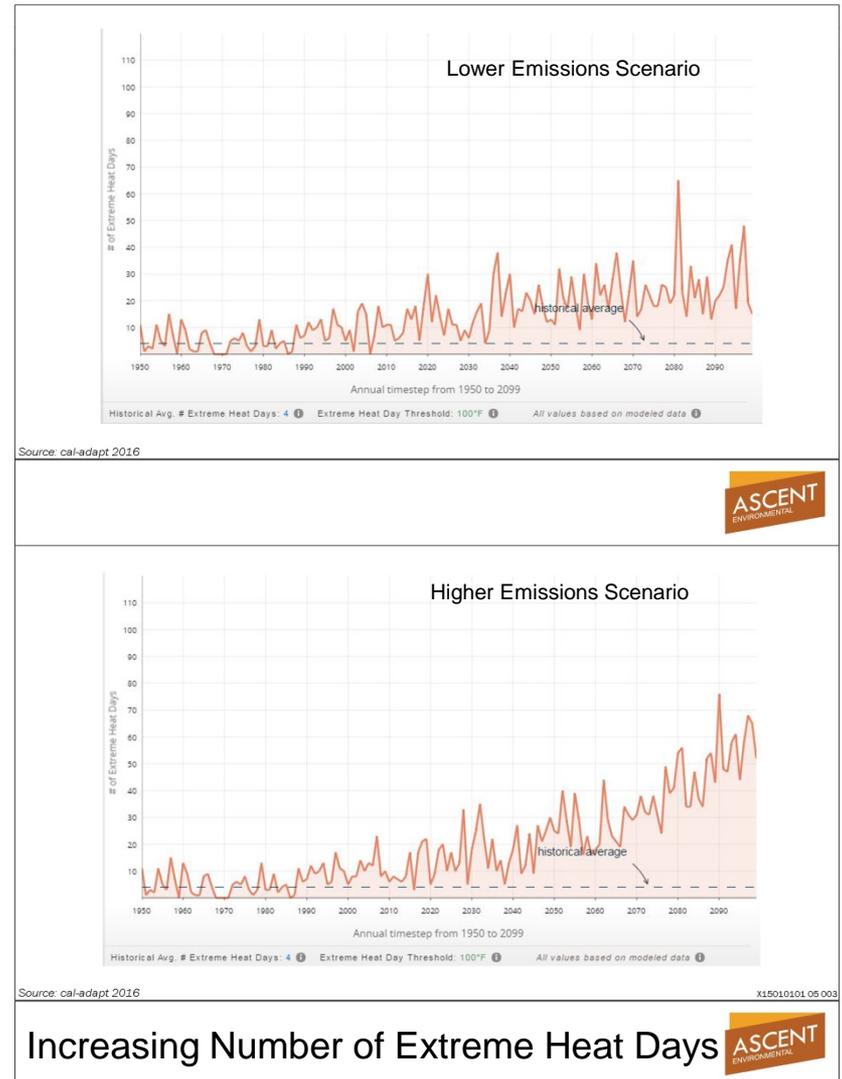
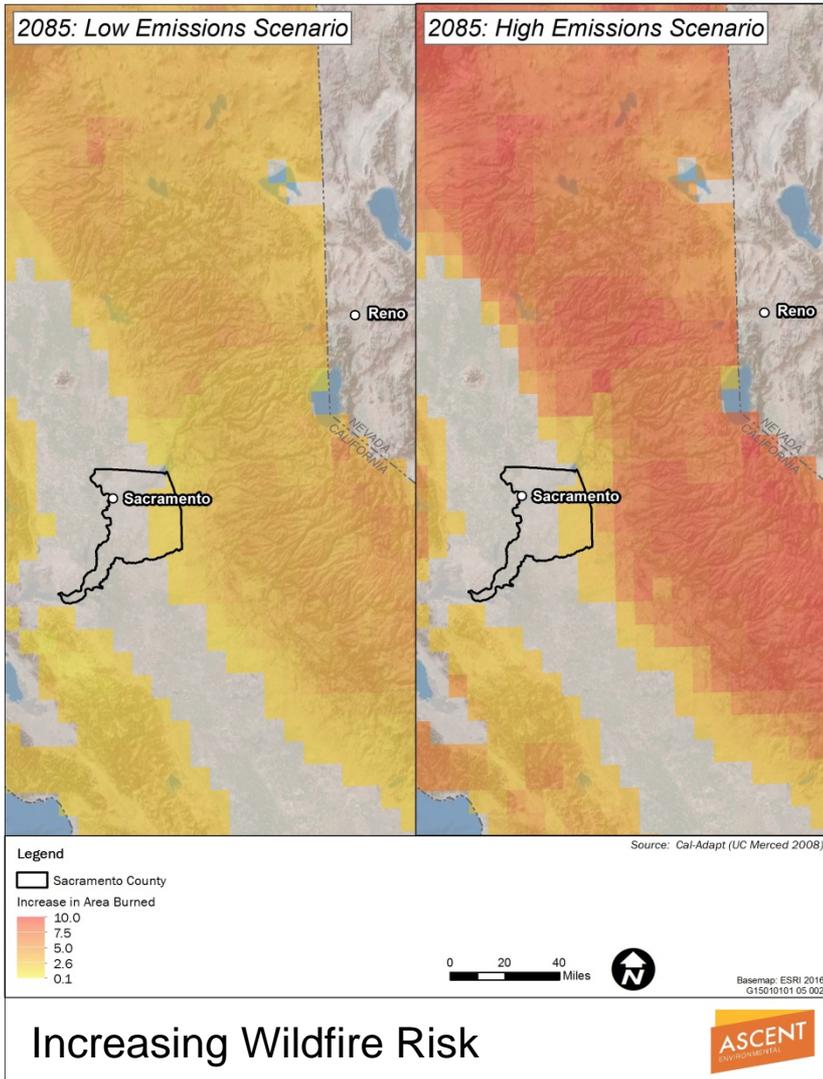


[disclaimer](#) [uncertainty](#)

# Loss of Snowpack



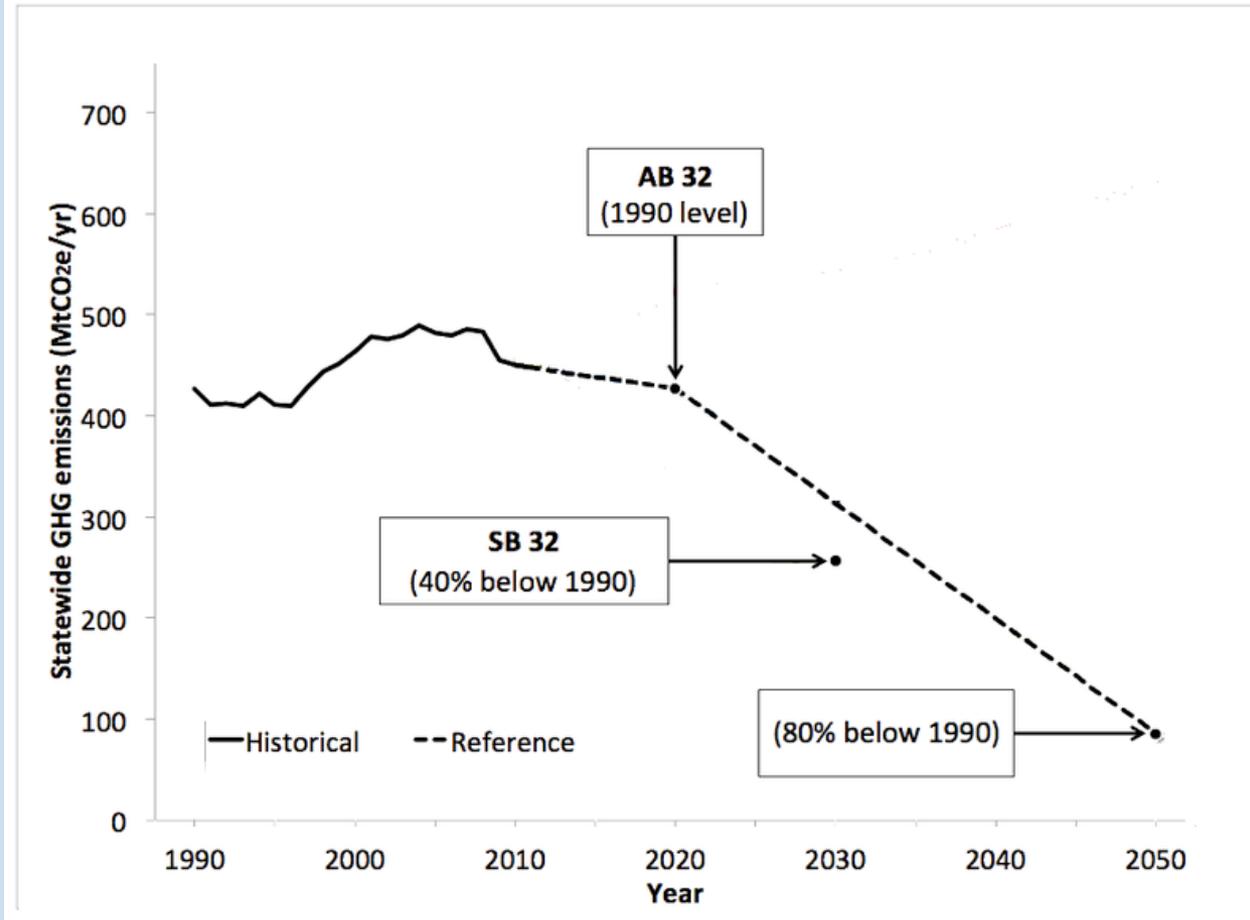
# Increased Wildfire Risk and Extreme Heat



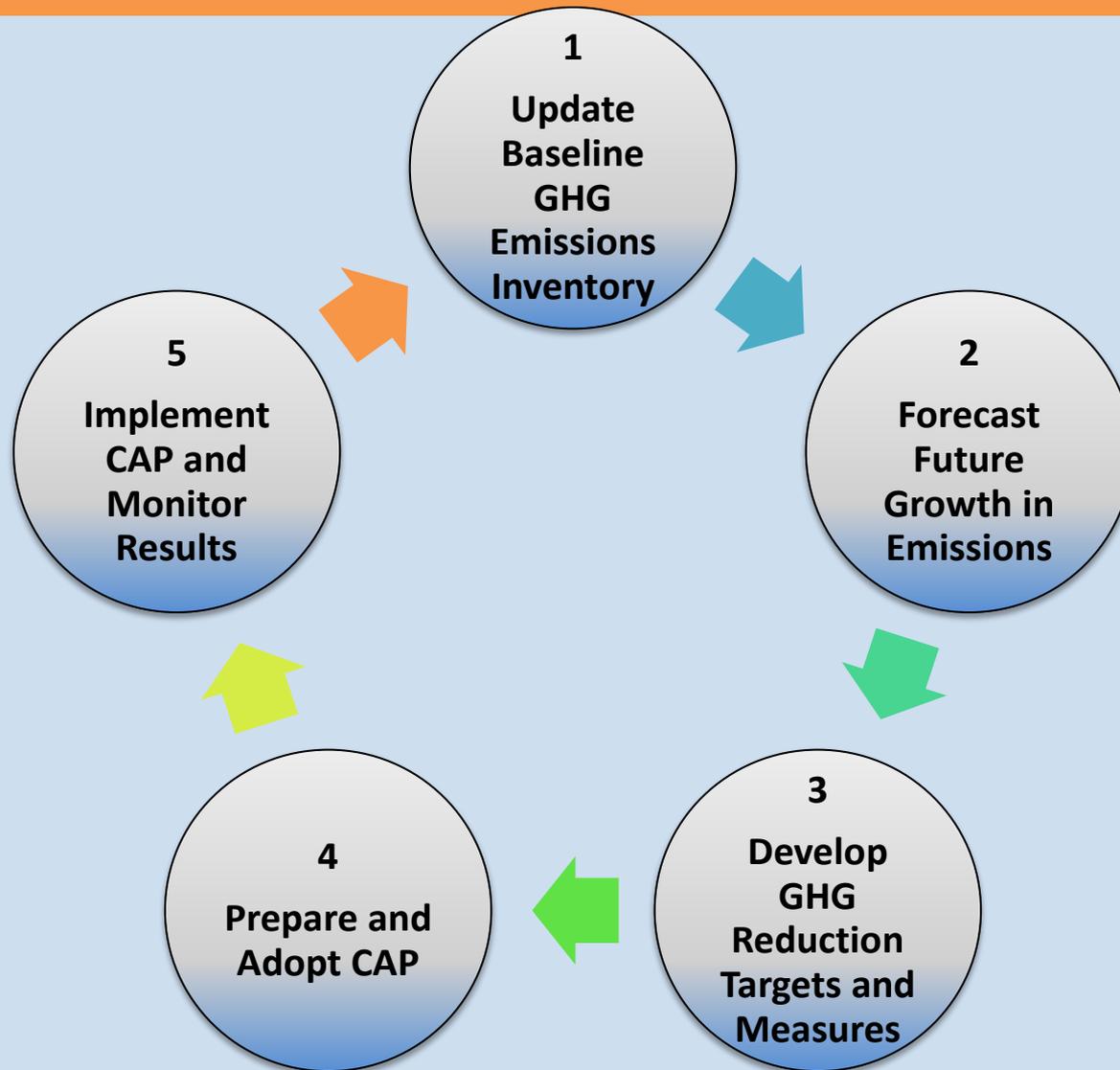
# California is Taking Action

## State Laws and Executive Orders for Reducing GHG Emissions

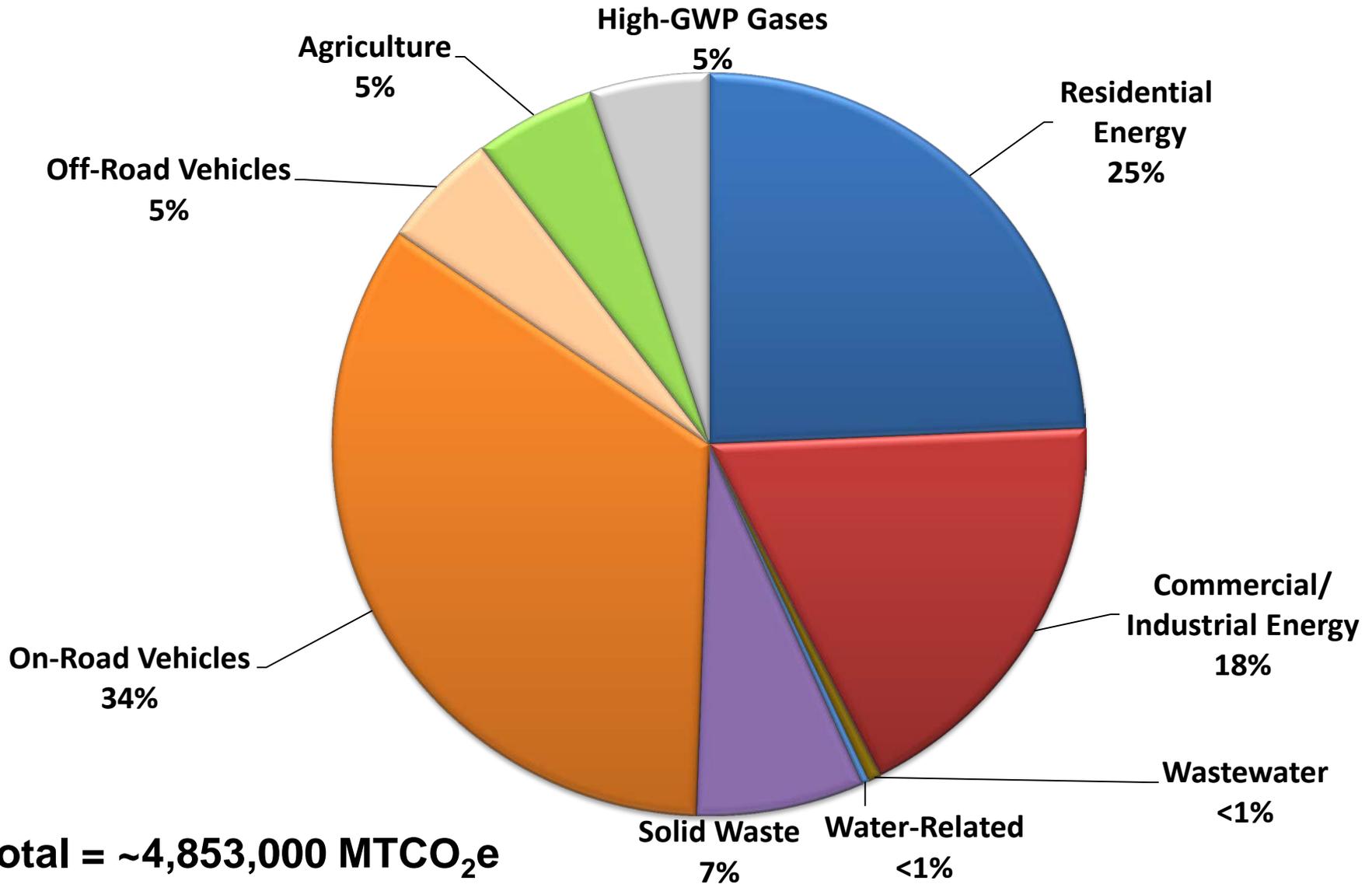
- AB 32: 1990 levels by 2020
- SB 32: 40% below 1990 levels by 2030
- Executive Orders
- B-30-15 and S-3-05: 80% below 1990 levels by 2050



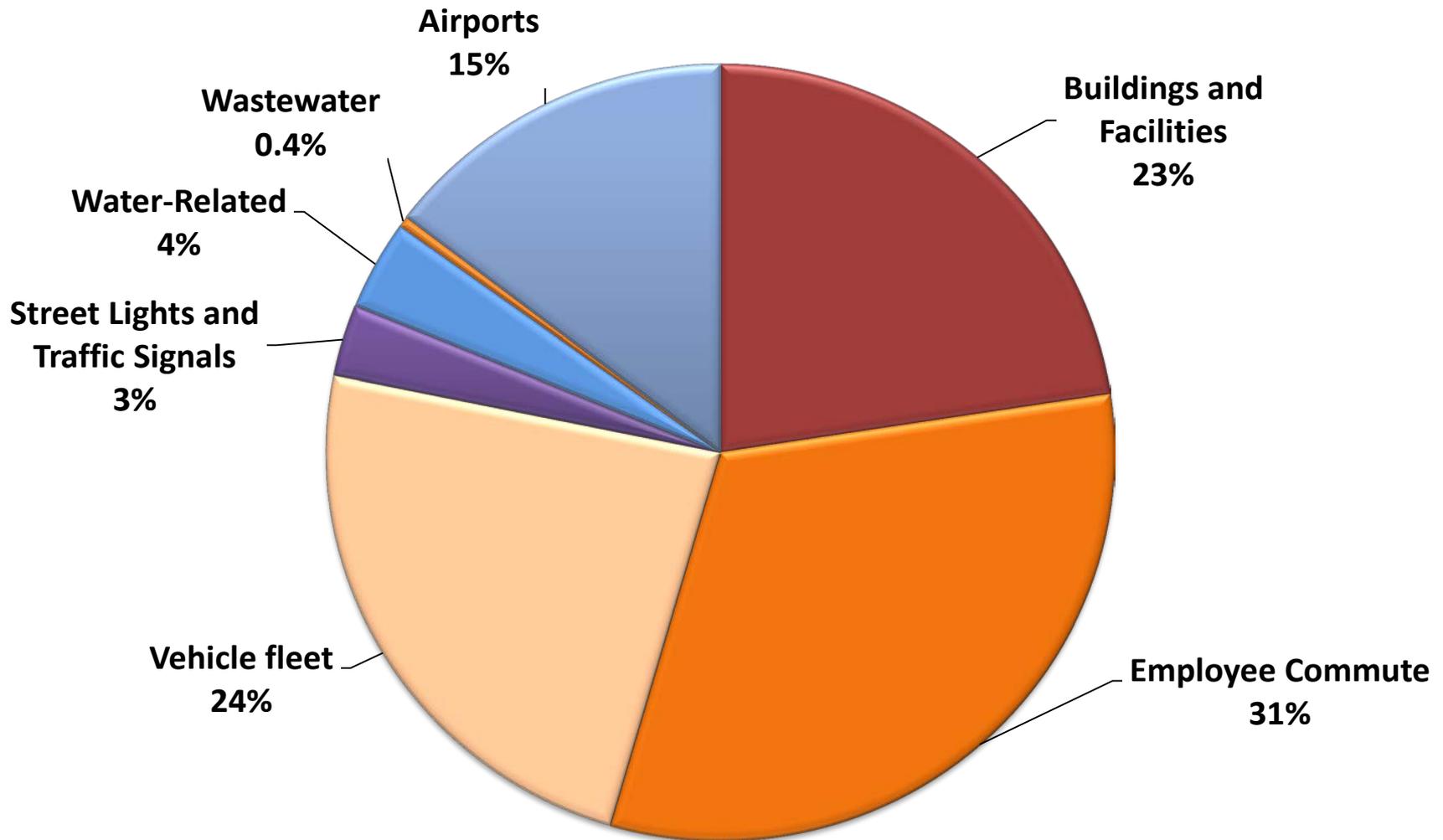
# Climate Action Plan Process



# 2015 GHG Emissions Inventory, Unincorporated Sacramento County



# 2015 GHG Emissions Inventory, Sacramento County Operations



**Total = ~123,397 MTCO<sub>2</sub>e**

# Taking Action at the Local Level

- Setting Local GHG Reduction Targets
  - Current County target: 15% below 2005 levels by 2020
  - Need to update County targets for 2030 and 2050
- Develop local measures to reduce or avoid GHG emissions
- Develop local measures to prepare and adapt to climate change, help increase resilience

# Transportation Measures



**Electric vehicles**



Source: SacBee

**Bike Share programs**



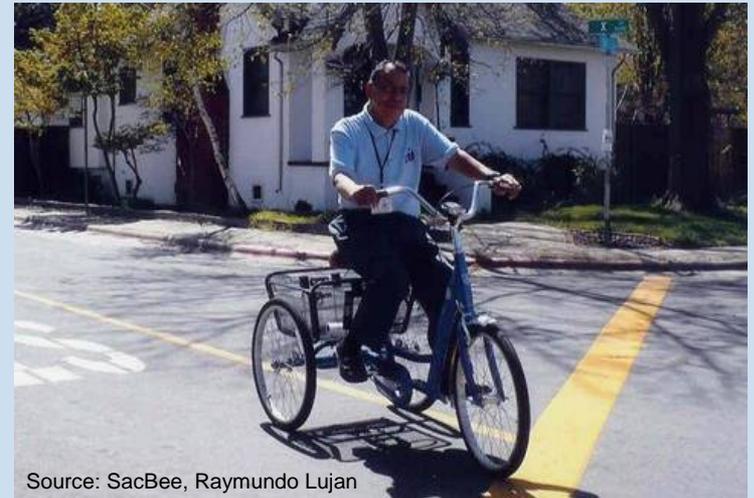
**Walkable, complete streets**

**Bike lanes and infrastructure**



Source: SABA

**Transit**



Source: SacBee, Raymundo Lujan

# Energy Measures



Energy Efficient Homes

Federal law prohibits removal of this label before consumer purchase.

**ENERGY GUIDE**

LG Electronics Inc.  
42LB6300  
Television

**Estimated Yearly Energy Cost**

**\$7**

\$15 | | | \$43

Cost Range of Similar Models (40" – 44")

- Based on 11 cents per kWh and 5 hours use per day
- Estimated yearly electricity use of this model: 64 kWh
- Your cost depends on your utility rates and use.

Visit [ftc.gov/energy](http://ftc.gov/energy)

MEZ6534926 (REV00)

Energy Efficient Appliances and Electronics

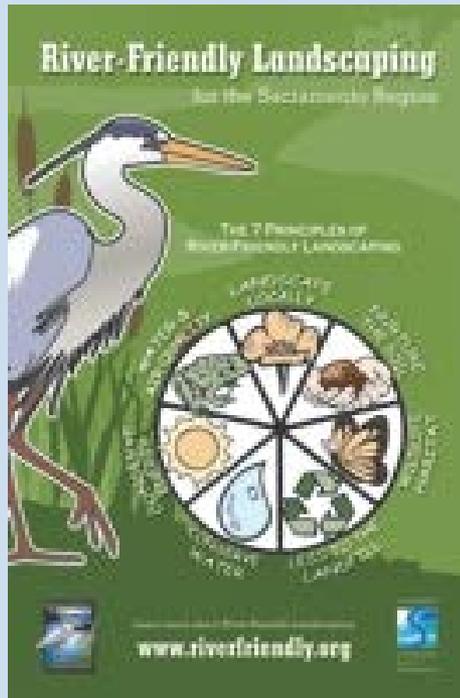


Energy Efficient Lighting



Renewable Energy

# Water Measures



**River-friendly, drought-tolerant landscaping**

# Solid Waste, Agriculture, and Greening Measures



**Composting**



Source: City of Sacramento

**Street Trees**



**Local Food**

# Who else is taking action in Sacramento?

- Incorporated cities and other counties in the region
- SMUD and PG&E
- SACOG
- Regional Water Authority
- Capital Region Climate Readiness Collaborative
- Others

# Next Steps

- Setting GHG targets and analyzing detailed measures for reducing GHGs.
- Future community workshops:
  - GHG reduction measures
  - Climate adaptation measures
  - Public Draft CAP document
- Input received will help shape and prioritize measures.

# Questions and Discussion

- What questions or concerns do you have about climate change?
  - Reducing GHG emissions
  - Responding to climate change impacts
- How can the County tie community needs into climate action strategies?
- Do you have questions about the presentation or process?

# Get Involved

- Stay Informed
  - <http://www.per.saccounty.net/PlansandProjectsInProgress/Pages/CAP.aspx>
  - GovDelivery Email Subscription
- Communications
  - Todd Taylor, Project Manager  
916-874-3125, [taylor@accounty.net](mailto:taylor@accounty.net)
- Your involvement is welcome and encouraged!