



# Napa County Regional Climate Action and Adaptation Plan

Napa County Board of Supervisors  
August 5, 2025



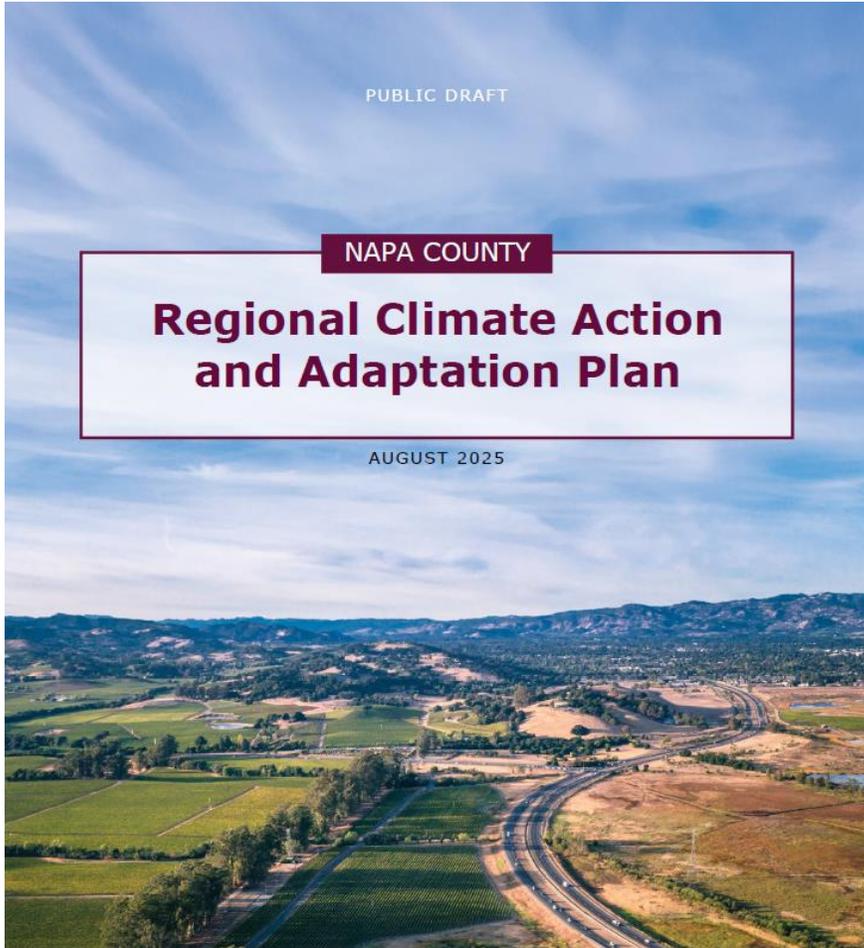
# Overview

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- Public Draft Regional Climate Action & Adaptation Plan (RCAAP)
- Next Steps and Schedule
- Q&A



# What is the RCAAP?



- **Comprehensive**, long-range climate plan
  - Achieves the region's carbon neutrality goals by 2045
  - Provides countywide strategy for climate adaptation and resilience.
  - Builds on existing sustainability & climate initiatives in the county
- **Regional, coordinated plan**
  - Addresses regional emissions and regional climate change impacts (all jurisdictions)
  - Prepared and reviewed by member agencies of the Climate Action Committee (CAC):
    - County of Napa
    - City of American Canyon
    - City of Calistoga
    - City of Napa
    - City of St. Helena
    - Town of Yountville



# Why is the RCAAP Needed?

Our Climate Emergency Requires Urgent Action

**CLIMATE CHANGE CAN BE NARROWED DOWN TO 5 KEY FACTS**



## Estimated percentage of adults in Napa County who:

**71%**

...are worried about climate change.

**67%**

...believe climate change is already harming people now or will within the next ten years.

**50%**

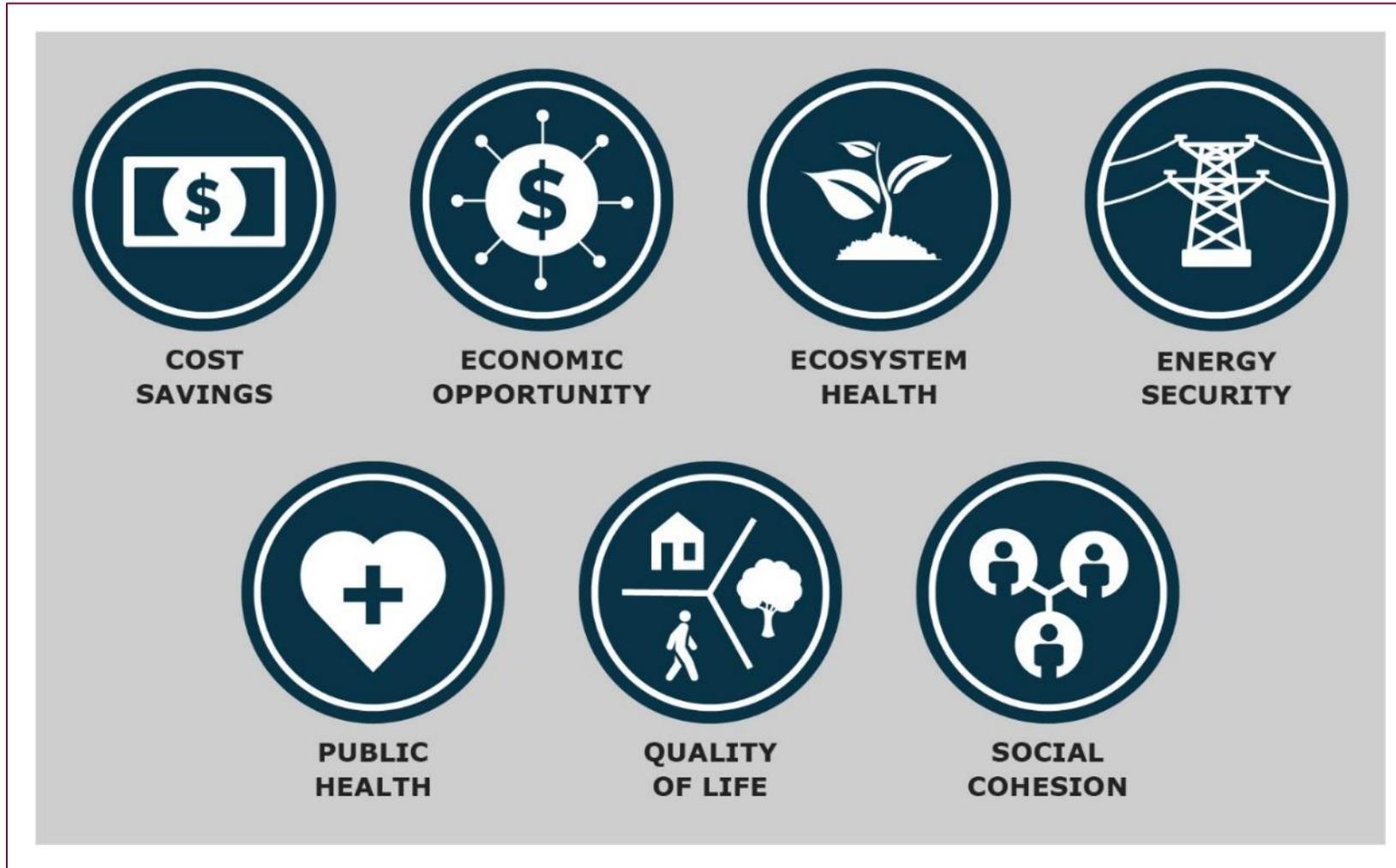
...believe climate change will harm them personally.

**52%**

...have personally experienced the effects of climate change.



# Co-Benefits of Climate Action & Adaptation



# Partnerships and Collaboration

We're all in this together!

- 6 Local Jurisdictions
- Community
- Utilities
- Regional Agencies
- State of California
- Federal Government



**1**

*establish* a baseline  
GHG emissions  
inventory

**2**

*project* future  
GHG emissions

**3**

*set* GHG emissions  
reduction targets

**4**

*identify* strategies  
to meet GHG  
reduction targets

**5**

*adopt*  
the plan

**6**

*implement* the GHG  
reduction strategies  
and monitor  
progress

# Climate Action: GHG Mitigation

# RCAAP GHG Reduction Strategies

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- **21 Strategies**, aligned with GHG emissions sectors + carbon sequestration opportunities
- **46 GHG Emission Reduction Measures**
  - 17 quantifiable measures
- **100+ Implementing Actions**
  - Many short-term actions (next 5 years)
  - Long-term actions (beyond 5 years)



# Building Energy

- **Clean and Efficient Energy Use in Existing Buildings**
  - Retrofit All Existing Buildings to Zero Carbon
  - Energy Audits & Incentives
  - Increase Renewable Energy Generation & Storage
  - Sustainable Winery Certifications
- **Zero-Carbon New Development**
  - Require New Buildings to be Zero-Carbon
- **Energy Education, Awareness, and Behavior Change**
  - Empower Community to Reduce Building Energy Emissions

Anthropogenic reductions in 2045: 58,375 MTCO<sub>2</sub>e

- 8% of all reductions
- 14% of all anthropogenic reductions





# Transportation

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- **Reducing How Much We Drive (vehicle miles traveled, or VMT)**
  - Increase Active Transportation Options
  - Expand Mobility Options for Visitors/Tourism
  - Reduce Winery Wastewater Hauling
- **Electrification of Vehicles & Equipment**
  - Transition Fleets to ZEVs
  - Increase EV Charging and Hydrogen Fueling Infrastructure
- **Expand Zero-Carbon Fuels**
- **Transportation Education**

Anthropogenic reductions in 2045: 76,511 MTCO<sub>2</sub>e

- 10% of all reductions
- 18% of all anthropogenic reductions



# Solid Waste

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- **Promote Zero Waste**
  - Increase Solid Waste Diversion
  - Reduce Construction & Demolition Waste
  - Waste Education (Reduce/Reuse/Recycle/Compost)
- **Reduce Existing Landfill Emissions**
  - Increase Methane Capture Capacity and Efficiency
  - Support Waste-to-Energy

Anthropogenic reductions in 2045: 173,057 MTCO<sub>2</sub>e

- 23% of all reductions
- 41% of all anthropogenic reductions

# Water & Wastewater

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- Reduce Water Waste
- Improve Water Conservation & Efficiency
- Native and Drought-Tolerant Landscaping
- Reduce Methane Emissions from Treatment Plants
- Explore Recycled Water Opportunities

Anthropogenic reductions in 2045: 45,412 MTCO<sub>2</sub>e

- 6% of all reductions
- 11% of all anthropogenic reductions



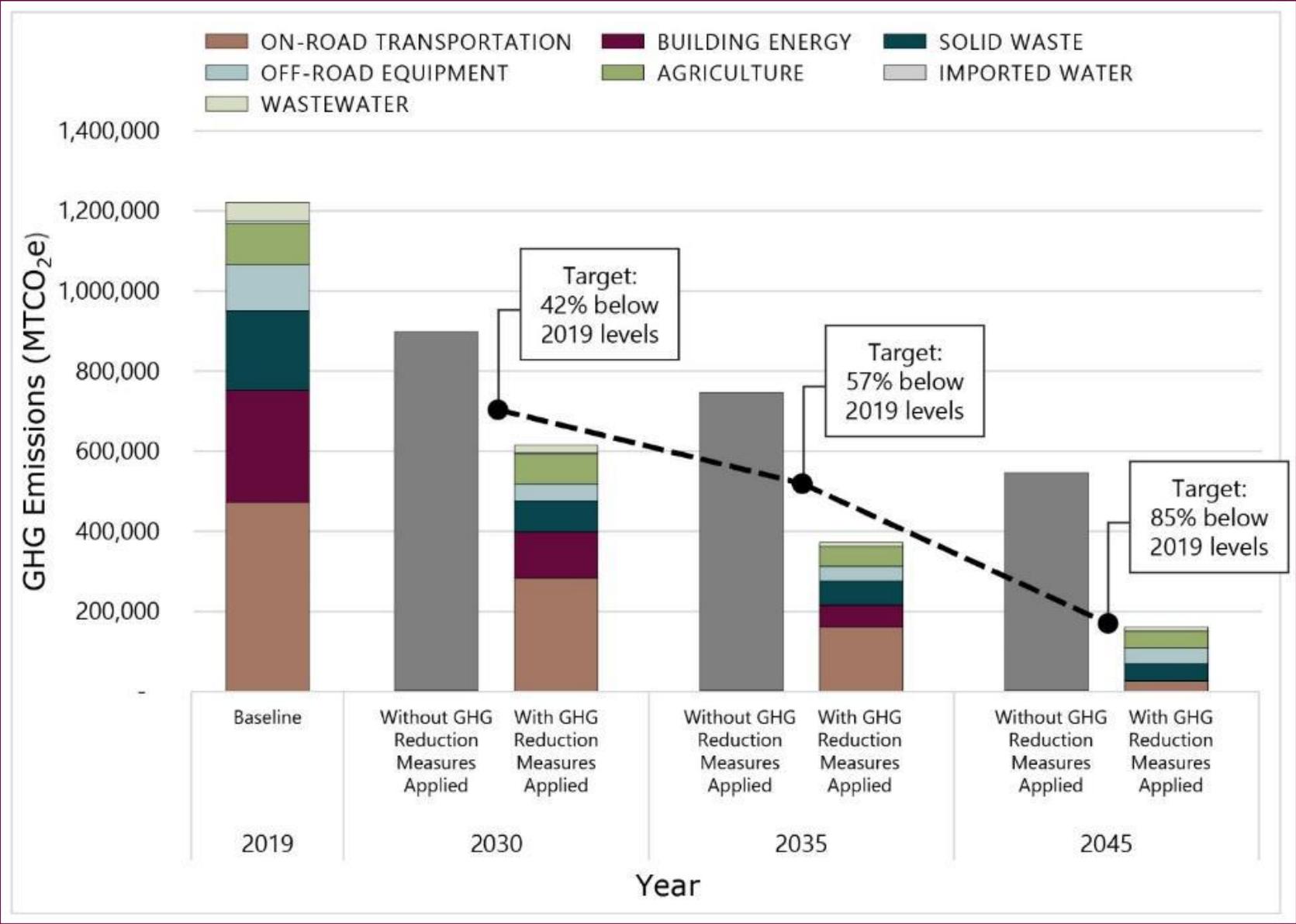
# Agriculture and Open Space

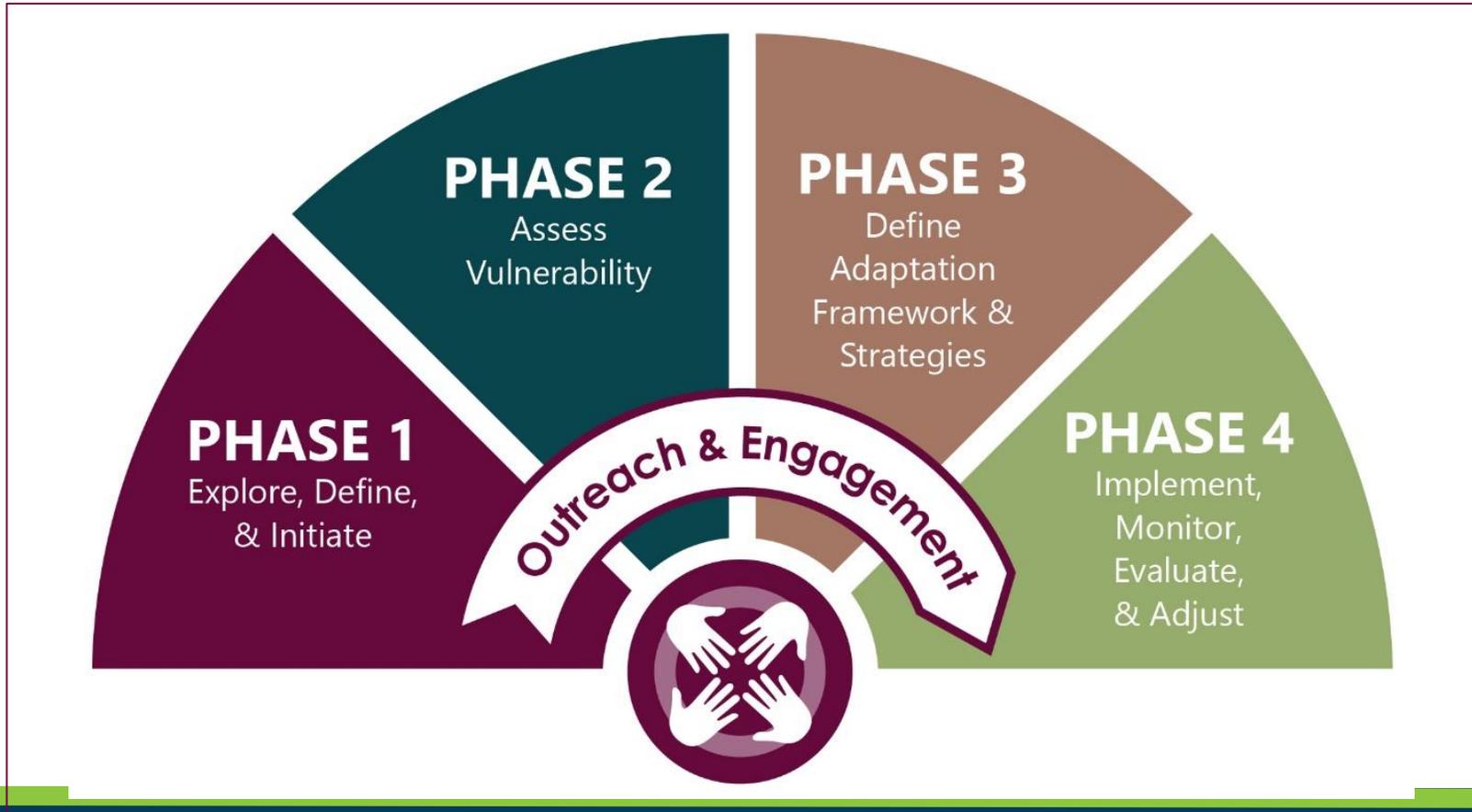
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- Reduce Fossil Fuel Use in Farming Equipment
- Increase Carbon Farming
- Increase Sustainable Vineyard Certifications
- Sustainable Livestock Practices
- Expand Urban Forest
- Accelerate Woodland and Forest Restoration and Stewardship
- Avoid or Minimize Carbon Stock Loss Attributable to Land Use Change



# Forecasted GHG Emissions, Targets, and GHG Reduction Measures





# Climate Adaptation

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# Climate Change Effects in Napa County

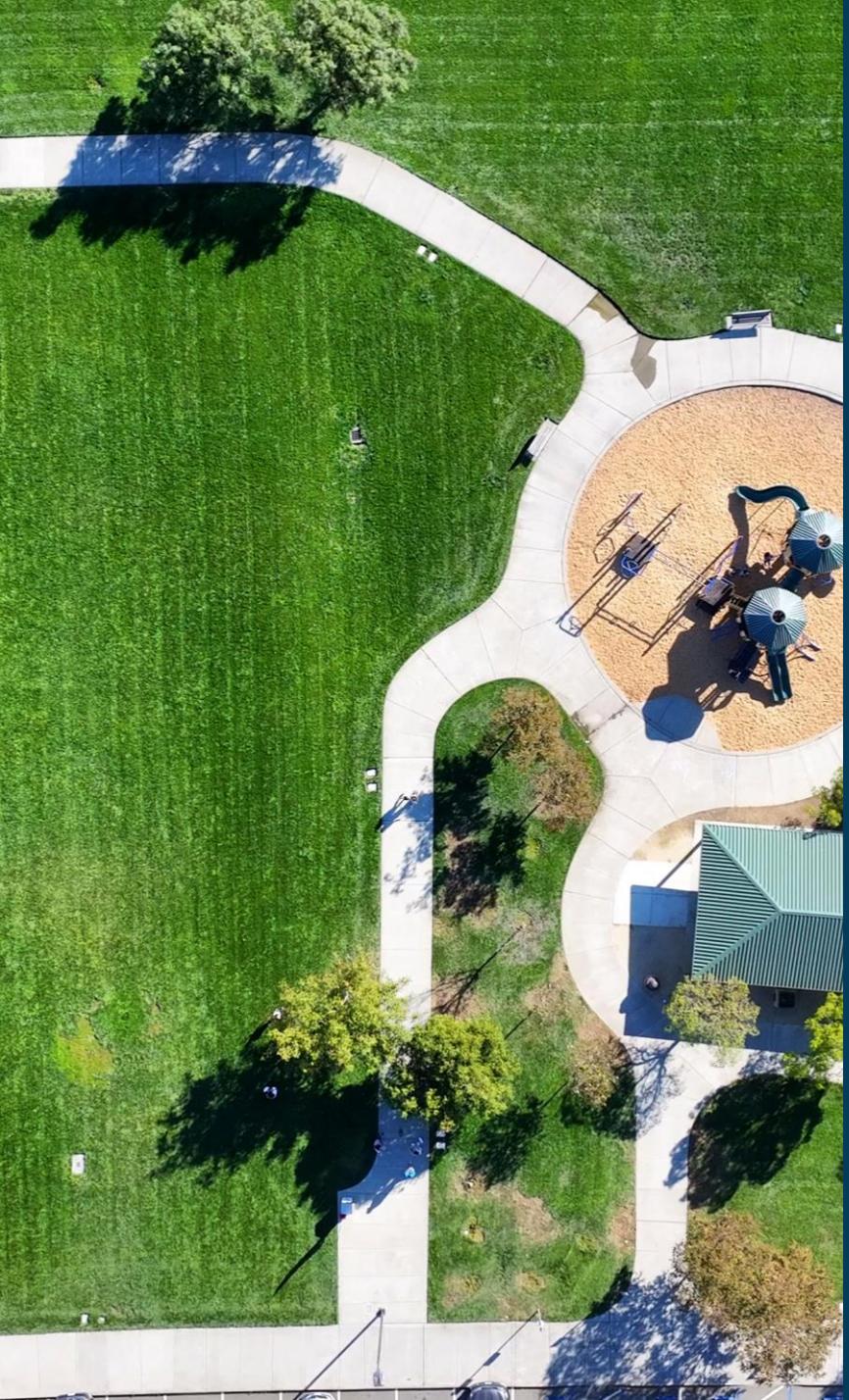
- Increased Severity or Frequency of Wildfires
- Increased Temperatures and Extreme Heat
- Extended or More Severe Drought
- More Extreme Precipitation Events and Increased Flooding Risk + Sea Level Rise
- Energy Grid Impacts



# Climate Adaptation & Resilience Strategies

- All-Hazards Approach to Climate Resilience: People, Infrastructure, Natural Resources
- Wildfire Risk Reduction and Preparedness
- Extreme Heat Mitigation
- Enhanced Flood Protection
- Long-Term Adaptation to Sea-Level Rise
- Energy Grid Resilience





# Implementation & Monitoring

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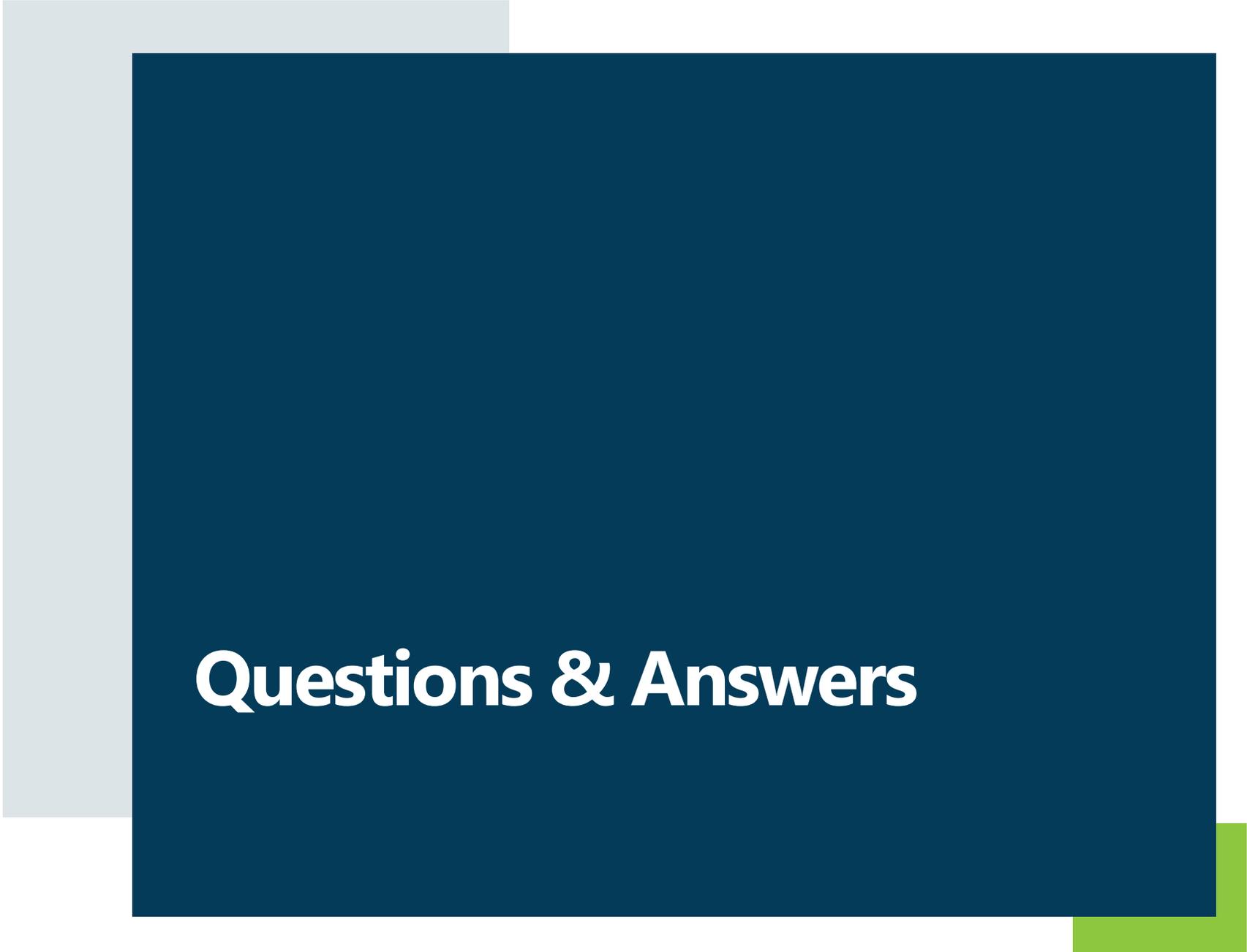
- Local adoption of the RCAAP (all 6 jurisdictions)
- Regionally-coordinated implementation strategy
- Ongoing Monitoring, Reporting, Updating
  - Periodic GHG inventory updates
  - Annual reporting on targets and key indicators
  - Periodic updates to RCAAP
- Order-of-magnitude costs estimates for limited subset of measures
  - 9 GHG measures and 10 adaptation measures
  - Not a full-scale cost estimate for entire plan.
- Funding and financing strategy will be critical



# Next Steps

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- Aug 1 – Sept 30, 2025: Public Comment Period
- Fall 2025 - Winter 2026: Review Comments + Prepare Final RCAAP + Environmental Review Process
- Spring 2026: Adoption Hearings
- 2026 – 2045: RCAAP Implementation



# Questions & Answers