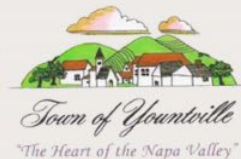




Napa County Regional Climate Action and Adaptation Plan

Climate Action Committee
August 22, 2025

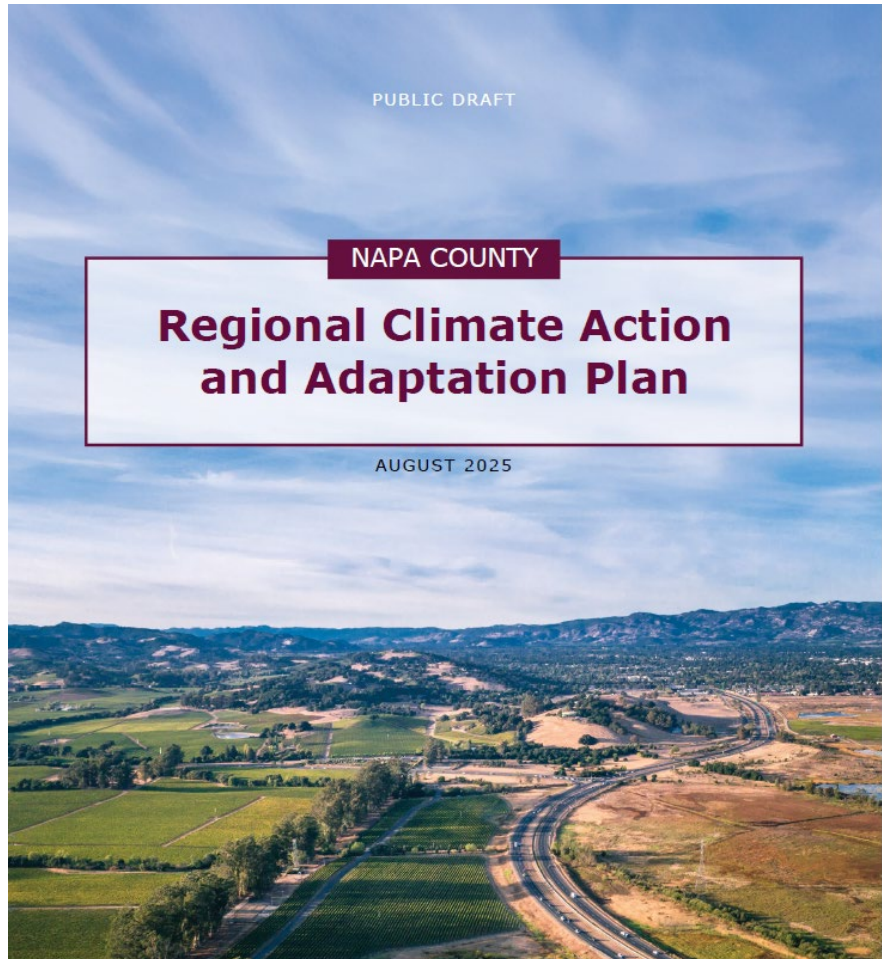


Overview

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



What is the RCAAP?



- **Comprehensive, long-range, climate plan**
 - Achieves countywide GHG reduction targets and carbon neutrality goals for 2030 and 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

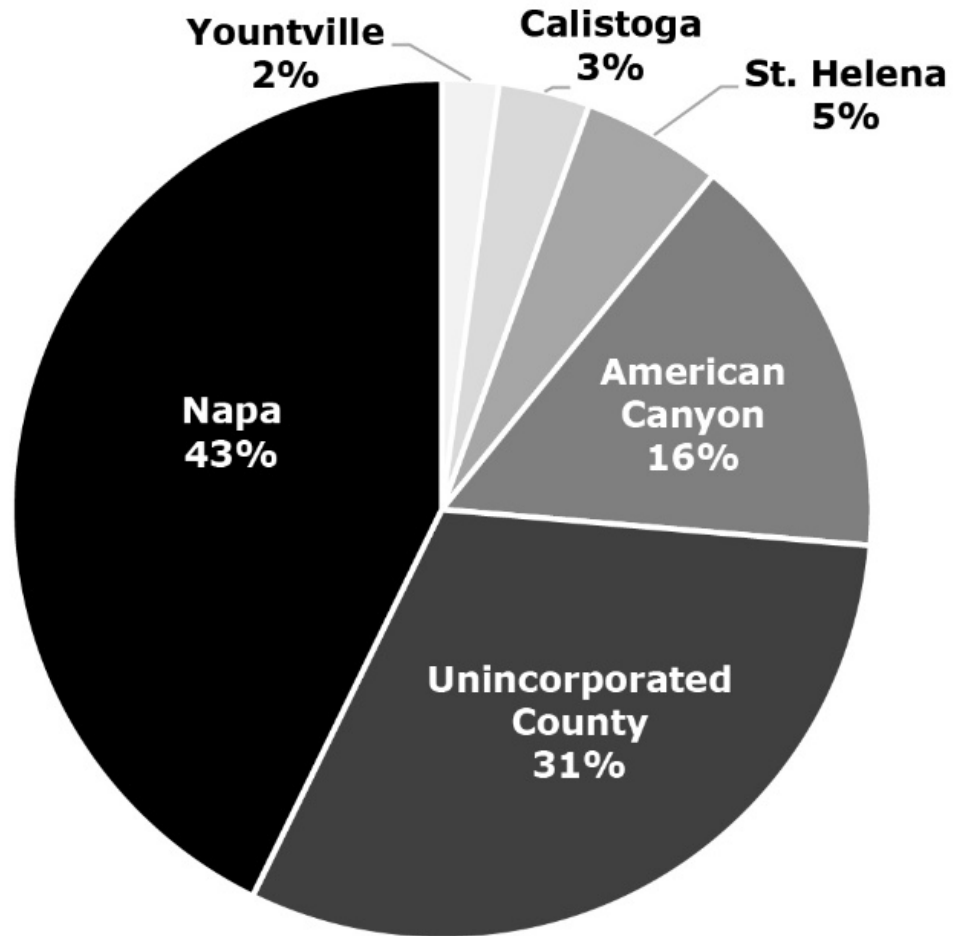




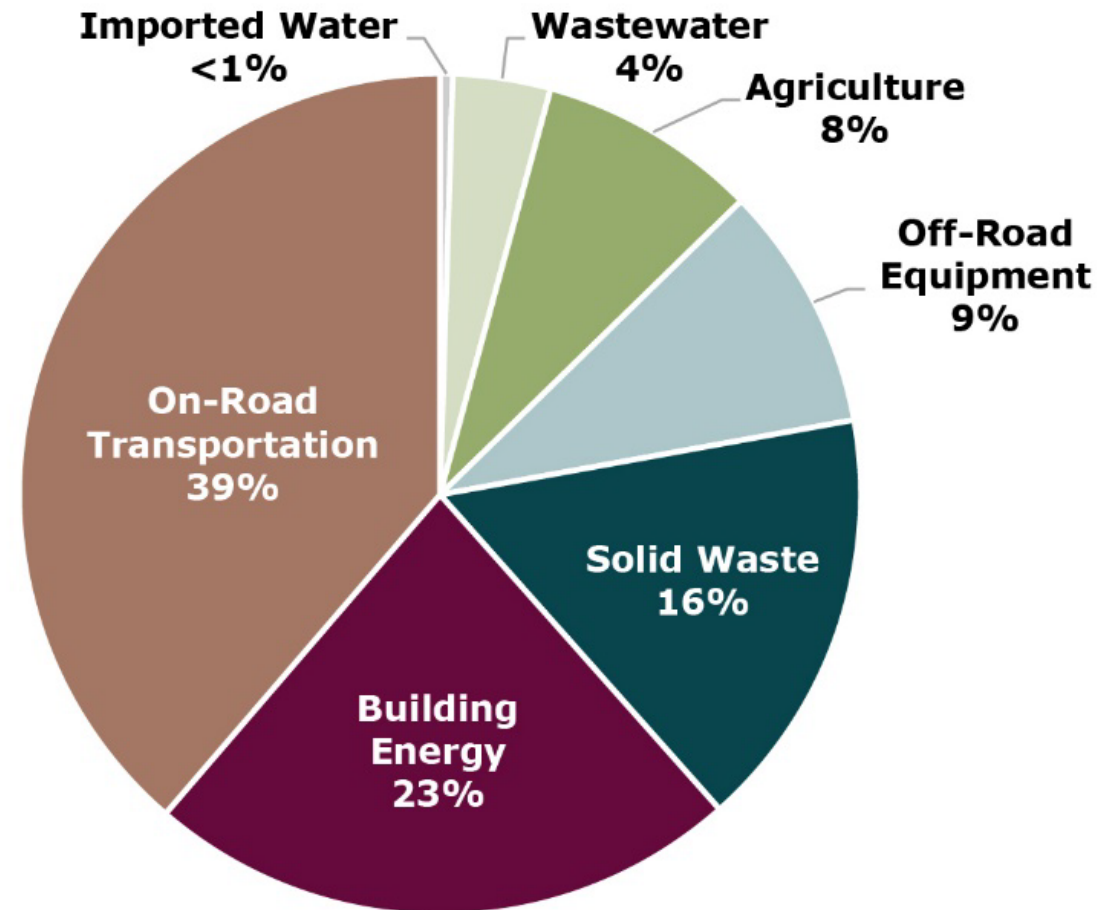
Climate Action: GHG Mitigation

Napa County's Regional GHG Emissions Inventory (2019)

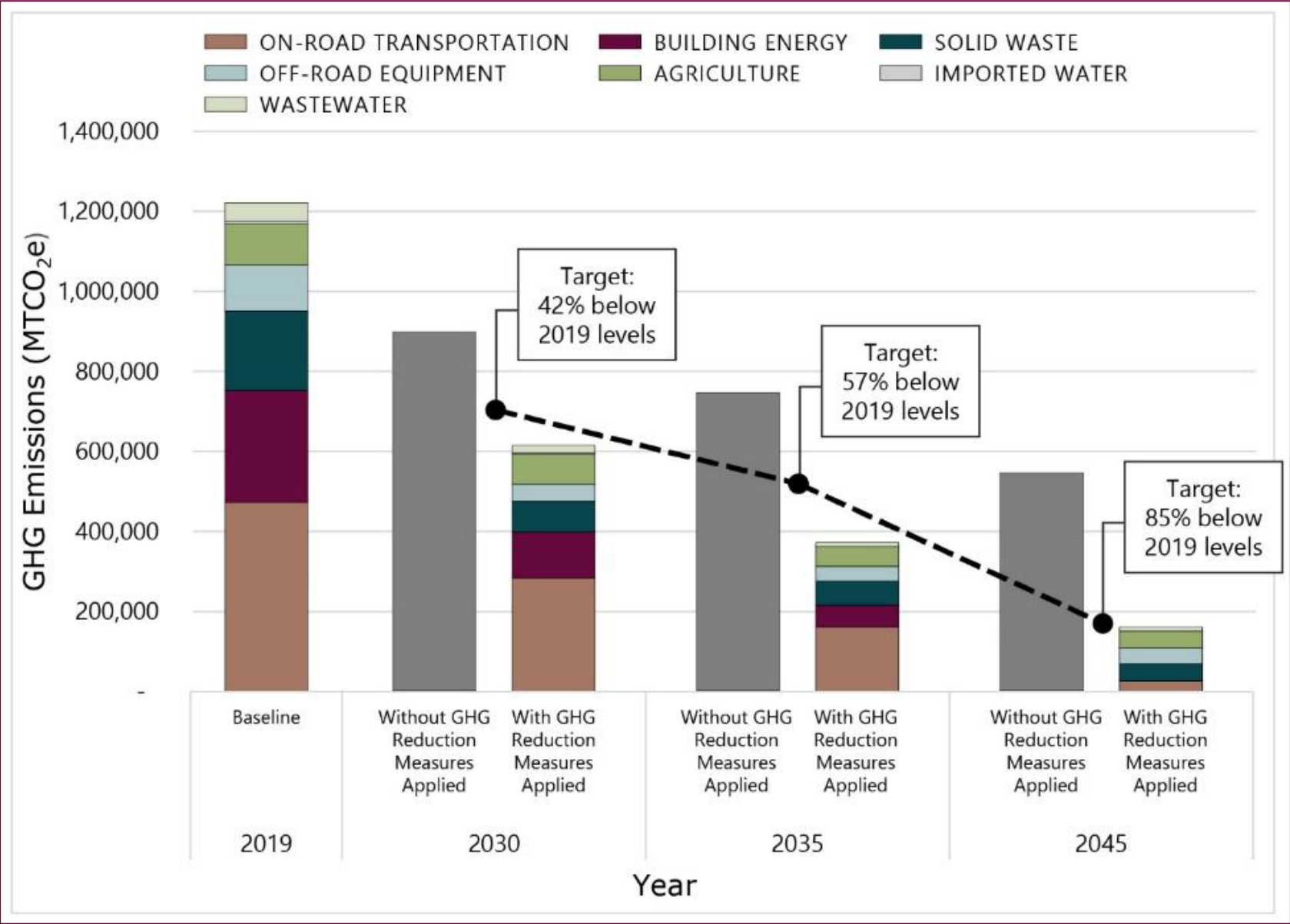
BY JURISDICTION



BY SECTOR



Forecasted GHG Emissions, Targets, and GHG Reduction Measures



RCAAP GHG Reduction Strategies

- **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 MTCO₂e

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





Transportation

- **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 MTCO₂e

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



Solid Waste

- **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 MTCO₂e

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

Water & Wastewater

- 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 MTCO₂e

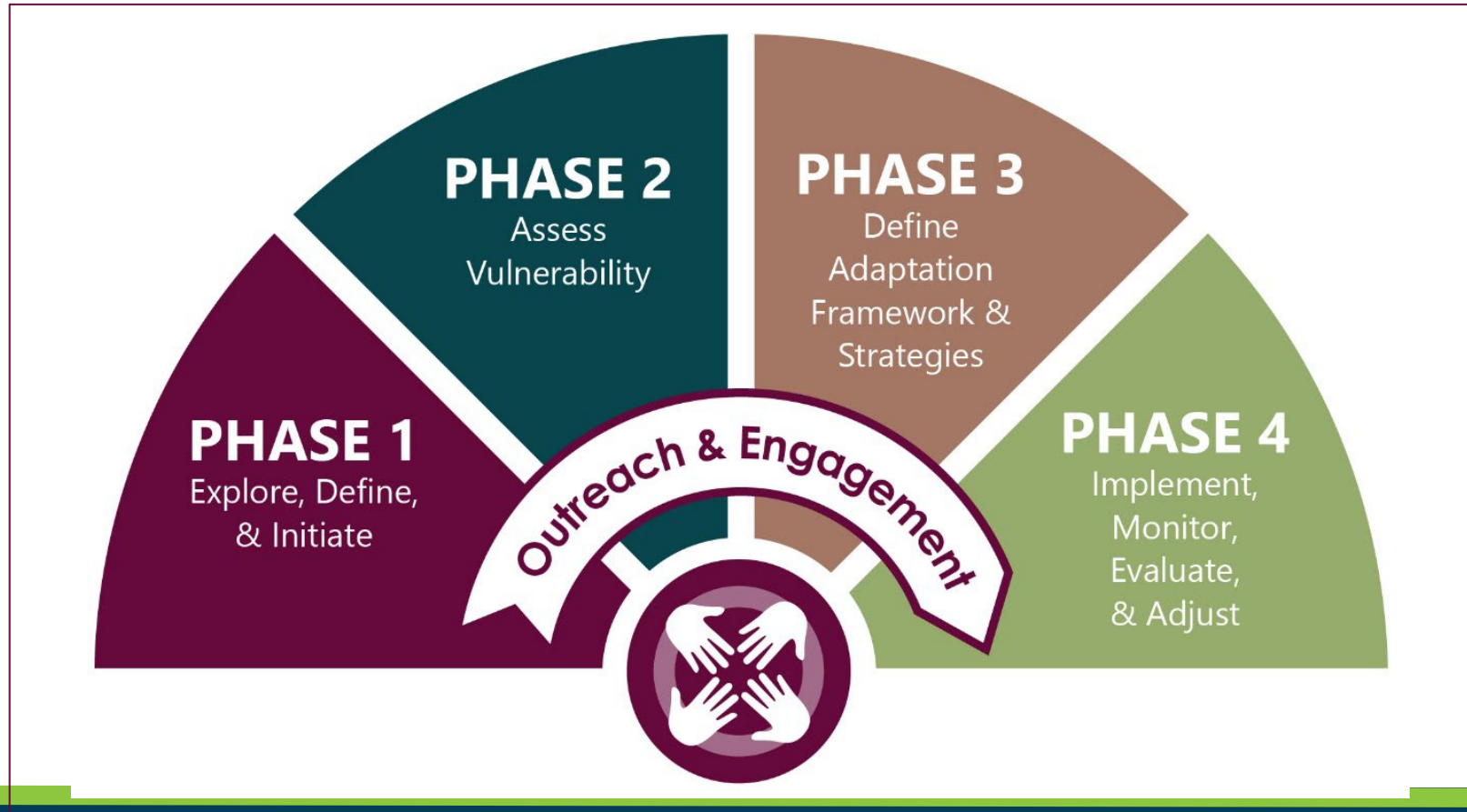
- 6% of all reductions
- 11% of all anthropogenic reductions



Agriculture and Open Space

- 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





Climate Adaptation

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



An aerial photograph of a park. A winding concrete path leads from the bottom left towards the top right. On the left side of the path is a large green lawn. On the right side, there is a circular playground with a wooden structure and a blue slide, surrounded by a light-colored mulch area. Further down the path, there is a small building with a green roof. The path continues past the building and ends near a parking lot at the bottom. The overall scene is bright and sunny, with shadows cast by trees and the building.

Implementation & Monitoring

- 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 cost estimates for limited subset of measures
 - 9 GHG measures and 10 adaptation measures
 - Important note: Not a full-scale cost estimate for entire plan.
- Potential funding & financing sources identified
 - Funding and financing strategy tied to timing and prioritization will be critical



Next Steps

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



Questions & Answers