



**SPECIAL JOINT CITY COUNCIL/OPEN SPACE,
ACTIVE TRANSPORTATION, AND
SUSTAINABILITY COMMISSION MEETING
AGENDA**

City Hall - Council Chambers
4381 Broadway St., Suite 201, American Canyon
September 16, 2025
7:30 PM

Mayor: Pierre Washington
Vice Mayor: Mark Joseph
Councilmembers: Brando Cruz, Melissa Lamattina, David Oro

Chair: Nance Matson
Vice Chair: Tara McClinton Horner
Commissioners: Debbie Chavarria, Barry Christian, Sean Hughes

7:30 P.M. OPEN SESSION - SPECIAL JOINT MEETING

CALL TO ORDER

ROLL CALL

PUBLIC COMMENTS - ITEMS NOT ON THE AGENDA

This time is reserved for members of the public to address the City Council on items that are not on the Open Session agenda and are within the subject matter jurisdiction of the City Council. Comments are limited to 3 minutes. Comments for items on the Open Session agenda will be taken when the item is called in Open Session. The City Council is prohibited by law from taking any action on matters discussed that are not on the agenda, and no adverse conclusions should be drawn if the City Council does not respond to public comment at this time.

BUSINESS

- Napa Regional Climate Action and Adaptation Plan**
Recommendation: Receive and File RCAAP Presentation

ADJOURNMENT

CERTIFICATION

I, Nicolle Hall, Deputy City Clerk for American Canyon, do hereby declare that the foregoing agenda of the City Council was posted in compliance with the Brown Act prior to the meeting date.

Nicolle Hall, Deputy City Clerk

PUBLIC PARTICIPATION

Tonight's meeting is a limited public forum. American Canyon promotes respectful and responsible behavior among its meeting participants, whether they are present in person or remotely. Using offensive language or remarks that promote, foster, or perpetuate discrimination based on race, creed, color, age, religion, gender marital status, status regarding public assistance, national origin, physical or mental disability or sexual orientation/gender identification, as well as any other category protected by federal, state or local laws will not be tolerated. In the case of an occurrence, the speaker will be immediately disconnected from the microphone.

City Council and other public meetings will be conducted in person. This meeting is also available via Zoom, is broadcast live to residents on Napa Valley TV, on our [website](#) and on [YouTube](#).

Zoom Link: [Click here](#). **Webinar ID:** 847 1017 1711; **Passcode:** 123456. **Phone in to Zoom:** 408-638-0968

Oral comments, during the meeting: Oral comments can be made in person during Open and Closed Session or through Zoom in Open Session only. On Zoom use the "raise your hand" tool during any public comment period. To avoid confusion, hands raised outside of Public Comment periods will be lowered.

Written comments: Submit written comments by the eComments link, located on the Meetings & Agendas page of our website. eComments are available to council members in real time. To allow for Council review of comments, eComments will close at 3:00 pm on the day of the meeting.

The above identified measures exceed all legal requirements for participation in public comment, including those imposed by the Ralph M. Brown Act. For more information, please call the Office of the City Clerk at (707) 647-4369 or email cityclerk@americancanyon.gov.

AGENDA MATERIALS: City Council agenda materials are published 72 hours prior to the meeting and are available to the public via the City's website at www.americancanyon.gov.

AMERICANS WITH DISABILITIES ACT: The City Council will provide materials in appropriate alternative formats to comply with the Americans with Disabilities Act. Please send a written request to City Clerk at 4381 Broadway, Suite 201, American Canyon, CA 94503 or by email to cityclerk@americancanyon.gov. Include your name, address, phone number and brief description of the requested materials, as well as your preferred alternative format or auxiliary aid, at least three calendar days before the meeting.



TITLE

Napa Regional Climate Action and Adaptation Plan

RECOMMENDATION

Receive and File RCAAP Presentation

CONTACT

Brent Cooper, AICP, Community Development Director

BACKGROUND & ANALYSIS

Climate change is intensifying local weather patterns and creating serious challenges for communities across Napa County. These impacts are evident in more frequent heat waves, prolonged droughts, increasingly severe rain events, and elevated wildfire risks.

Hazards such as wildfires, extreme heat, drought, and flooding pose growing threats to residents, infrastructure, and essential community services. Their frequency, intensity, and duration are expected to increase over time. Recent wildfires—including the Pickett, Atlas, Tubbs, Nuns, and Glass Fires—have burned hundreds of thousands of acres, destroyed thousands of structures, and caused widespread public health, economic, and agricultural damage.

In response, Napa County and its cities and town—American Canyon, Calistoga, Napa, St. Helena, and Yountville—have worked together through the Napa County Climate Action Committee to develop the Napa Regional Climate Action and Adaptation Plan (RCAAP).

The RCAAP is a strategic roadmap designed to reduce greenhouse gas emissions and strengthen the region’s resilience to climate impacts. The public draft of the RCAAP was released on August 1, 2025, and is available at www.climateactionnapa.konveio.com. The public review and comment period runs through September 30, 2025.

Ascent Environmental, the lead consultant who prepared the RCAAP, will present an overview that mirrors the information shared with the Napa County Climate Action Committee at its August 22, 2025 meeting. Supporting materials include:

- Attachment 1: Staff report from the August 22 CAC meeting, detailing the plan’s background and content.
- Attachment 2: City Council/OSATS RCAAP Presentation.

COUNCIL PRIORITY PROGRAMS AND PROJECTS

Public Safety: "Ensure American Canyon remains a safe community."

ENVIRONMENTAL REVIEW

The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

COMMUNICATION

Level 3: Broad Communication

County staff’s extensive public outreach and community engagement efforts resulted in responses and input from 310 individuals to an introductory survey which helped to gain a better understanding of how residents feel about climate change and how it affects their daily lives. Four community meetings were held in the summer of 2024 to identify existing conditions and key areas of concern for participants. 20 organizations partnered with the project team to hold focused group conversations to further explore the needs of the community.

Recent Open House Events

- Wednesday, August 20, 2025 Yountville Community Center, Heritage Room 6:00 pm - 8:00 pm
- Thursday, August 21, 2025 American Canyon Public Library, Community Room 5:30 pm - 7:30 pm
- Wednesday, August 27, 2025 Napa Main Library, Community Room 5:30 pm - 7:30 pm

Presentations

- Tuesday, August 05, 2025, Napa County Board of Supervisors Friday,
- August 22, 2025, Climate Action Committee
- Tuesday, September 02, 2025, Napa City Council
- Tuesday, September 16, 2025, Yountville Town Council
- Tuesday, September 16, 2025, American Canyon City Council and Open Spaces, Active Transportation, and Sustainability Committee
- Friday, September 23, 2025, St. Helena City Council

ATTACHMENTS:

1. [CAC RCAAP Presentation Staff Report 08.22.25](#)
2. [RCAAP Presentation 9-16-25](#)



Legislation Details (With Text)

File #: 25-1470 **Version:** 1

Type: Administrative **Status:** Agenda Ready

File created: 8/7/2025 **In control:** Climate Action Committee

On agenda: 8/22/2025 **Final action:**

Title: PRESENTATION: Receive a presentation on the Draft Napa Regional Climate Action and Adaptation Plan. (No Fiscal Impact)

Sponsors: Climate Action Committee

Indexes:

Code sections:

Attachments: 1. Item 5A Presentation.pdf

Date	Ver.	Action By	Action	Result
------	------	-----------	--------	--------

TO: Napa County Climate Action Committee

FROM: Brian D. Bordona, Director of Planning, Building, and Environmental Services

REPORT BY: Jesse Gutiérrez, Principal Planner, Sustainability

SUBJECT: Receive a presentation on the Draft Napa Regional Climate Action and Adaptation Plan.

RECOMMENDATION

PRESENTATION: Receive a presentation on the Draft Napa Regional Climate Action and Adaptation Plan. (No Fiscal Impact)

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND

In May 2023, the Climate Action Committee (CAC) made the preparation of a Regional Climate Action and Adaptation Plan (RCAAP) to top priority for FY 2023-2024. That same month, the office of former California Senator Bill Dodd provided a California State Appropriations Grant for \$500,000 for the preparation of the Napa County RCAAP. After the request for proposal process, in December 2023, Ascent Environmental was contracted to begin development of the RCAAP. The RCAAP development process launched in January 2024. Community engagement efforts took place the summer of 2024 with a community survey and several focused group conversations exploring community needs, sharing of perspectives on impacts of climate change and

experiences in community resiliency. Focus groups were organized around topics including youth, families, community-based organizations, public health, multi-language populations, and agriculture and grape growers.

The RCAAP was developed over the course of FY 2024-2025 with discussions and input on supporting documents by City of Napa and Napa County staff, the CAC, public comments at the CAC meetings, executive management of CAC member municipalities and County leadership, jurisdiction department staff, and partner stakeholders. The All Jurisdiction Working Group was formed to ensure staff from each of the jurisdictions played a part in reviewing the Administrative Draft of the RCAAP and in deciding the best path for environmental review of the document. Additionally, the Working Group communicates and represents each jurisdiction's goals, priorities, concerns, and feedback during meetings and will be pivotal in upcoming discussions and decision making regarding how to best implement the RCAAP keeping each jurisdiction's unique needs and priorities in mind.

The RCAAP public draft was made available on August 1st on the project website - www.climateactionnapa.konveio.com <<http://www.climateactionnapa.konveio.com>>
The public review and comment period is open from August 1 to September 30, 2025.

The RCAAP

Climate change has presented significant challenges locally and is increasingly supercharging weather patterns leading to greater impacts on communities. Climate change is experienced in many different forms, which locally may include effects such as prolonged heat waves, extended drought periods, altered frequency and severity of rain events, and increased wildfire risk caused by conditions that are more favorable for ignition and rapid spread of fires.

In recent years, a series of devastating wildfires swept through Napa County and surrounding regions, including the Atlas, Tubbs, and Nuns fires in 2017; and the Glass Fire and the LNU Lightning Complex fires in August and September 2020. These wildfires, collectively, burned hundreds of thousands of acres (CAL FIRE 2017, 2022, 2023), and destroyed thousands of structures, and resulted in an array of cascading public health, economic, and even viticultural impacts throughout the county. In the 2020 fires alone, eight percent of the season's wine grapes were left tainted by wildfire smoke, and thus, were unusable (Chroback and Zimmer 2022). Additionally, in September 2022, an unprecedented and uninterrupted 10-day heat wave, with temperatures exceeding triple digits across much of the state, led to hundreds of excess deaths, including some residents of Napa County (CDPH 2023). In general, climate-related hazard events like these can have an array of adverse impacts on populations, the built environment, and community functions and over time, these events will likely increase in frequency, intensity, and/or duration because of climate change.

Recognizing these disasters, threats, and challenges, local jurisdictions including: Napa County, the Cities of American Canyon, Calistoga, Napa, and St. Helena, and the Town of Yountville have come together to develop the Napa RCAAP.

The RCAAP is a roadmap that identifies strategies, measures, and actions that guide the region to reduce greenhouse gas emissions and adapt to climate change. Shaped by input from residents, businesses, and community organizations across all six jurisdictions, it supports a more sustainable and resilient Napa County and requires bold and coordinated action across jurisdictional boundaries.

The RCAAP reflects regionally-tailored solutions that are representative of the unique environmental, economic, and social characteristics of the county. Additionally, the RCAAP builds upon existing climate change and sustainability initiatives throughout the county (some of which are detailed in Section 1.3 of the

RCAAP), seeking to coordinate and amplify these and future efforts through a unified regional framework.

2019 Greenhouse Gas (GHG) Emissions Inventory

The first step in preparing this RCAAP was to build an understanding of the regional GHG emissions profile by preparing a countywide emissions inventory. Using 2019 as the baseline year, total countywide GHG emissions were estimated at approximately 1,221,861 metric tons of carbon dioxide equivalent (MTCO₂e). GHG emissions inventories identify the sources, activities, and sectors that represent emissions within a jurisdiction and the relative contributions of each. The three primary GHGs included in the countywide GHG inventory are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O).

The City of Napa accounted for the largest percentage of countywide emissions at 43 percent, followed by the unincorporated county at 31 percent, American Canyon at 16 percent, and St. Helena, Calistoga, and Yountville each at 5 percent or less. The three largest contributing sectors to local GHG emissions were on-road transportation 39%, building energy 23%, and solid waste with 16% of total local emissions. The four remaining sectors (i.e., off-road equipment, agriculture, wastewater, and imported water) in total accounted for approximately 22 percent of countywide emissions.

Community Engagement

Community engagement is a vital component of any effective climate action and adaptation planning process, ensuring that the plan reflects the needs, priorities, and values of the people it serves. County staff's extensive public outreach and community engagement efforts resulted in responses and input from 310 individuals to an introductory survey which helped to gain a better understanding of how residents feel about climate change and how it affects their daily lives. Four community meetings were held in the summer of 2024 to identify existing conditions and key areas of concern for participants. 20 organizations partnered with the project team to hold focused group conversations to further explore the needs of the community.

GHG Emissions Reduction Targets

Through the RCAAP Napa County Jurisdictions have set countywide GHG emissions reduction targets for 2030, 2035, and 2045, which are aligned with the State of California's goals. They include:

- 42 percent reduction below 2019 levels by 2030,
- 57 percent reduction below 2019 levels by 2035, and
- 85 percent reduction below 2019 levels by 2045.

In addition to these quantitative targets, Napa County jurisdictions have set a goal in this RCAAP of achieving carbon neutrality by 2045 - primarily through natural carbon sequestration, in addition to strategies and measures to reduce GHG emissions in furtherance of the 85 percent reduction target by 2045.

GHG Reduction Measures

While legislative and regulatory actions at the regional, State, and federal levels will result in notable GHG emissions reductions on their own, additional efforts need to be taken locally by Napa County jurisdictions to fully achieve the established targets. These additional efforts come in the form of 46 distinct GHG reduction measures that were prepared for this RCAAP.

Across the six emissions sectors (Building Energy, On-Road Transportation, Solid Waste, Water and

Wastewater, Agriculture, and Off-Road Equipment), 21 different GHG reduction strategies are supported by 46 measures and 107 actions. The GHG reduction measures reduce emissions from human activities (e.g., building energy use and transportation), and enhance carbon storage (e.g., carbon farming and restoring wildfire-affected areas).

The GHG reduction framework is designed for countywide application, and many measures will be applied and implemented consistently across all Napa County Jurisdictions, addressing broad issues and emissions sources that are shared across multiple jurisdictions. However, some GHG reduction measures do not apply uniformly across all jurisdictions and only apply to specific local contexts and needs.

The GHG reduction potential of the measures was quantified for 17 of the 46 measures. The remaining measures were not quantified for one or more reasons, including lack of available data or adequate quantitative methods, the qualitative nature of some measures, varying levels of uncertainty regarding the effectiveness of some measures, or limitations on local jurisdictions' control over the impact of the measure (e.g., education, encouragement, supporting local partners).

Although 46 GHG reduction measures are included in the RCAAP, a few specific measures are projected to account for the vast majority of reductions from human-caused emissions by 2045. These include:

- BE-1: Retrofit Existing Buildings to Zero Carbon
- TR-9: Expand Renewable Diesel Availability
- AG-1: Reduce Fossil Fuel Consumption in Field Equipment
- SW-1: Increase Solid Waste Diversion
- SW-4: Increase Landfill Methane Capture Capacity
- WW-1: Reduce Methane Emissions from Wastewater Treatment Plants

(BE = Building Energy; TR = On-Road Transportation; AG = Agriculture; SW = Solid Waste; WW = Imported Water & Wastewater)

Altogether, the six measures account for approximately 91 percent of total emissions reductions in 2045.

If all GHG reduction measures are implemented as planned and regional growth aligns with projections, the reductions should meet both the 2030 and 2045 targets and the 2045 carbon neutrality goal. Actual reductions may be greater, as many measures are not quantified and could have additional reduction potential.

Carbon Sequestration GHG Reduction Measures

Carbon sequestration secures carbon dioxide to prevent it from entering the Earth's atmosphere. The idea is to stabilize carbon in solid and dissolved forms so that it doesn't cause the atmosphere to warm. The process shows tremendous promise for reducing the human "carbon footprint." There are two main types of carbon sequestration: biological and geological. (UC Davis - ucdavis.edu/climate/definitions/carbon-sequestration)

The RCAAP GHG reduction measures that have the potential to increase carbon sequestration include:

- AG-3: Expand Carbon Farming Practices
- AG-4: Report on Carbon Farming Practices
- AG-5: Expand the Urban Forest
- AG-6: Restore Woodland and Forest Habitat
- AG-7: Increase Sustainable Vineyard Certification

When bundled with other GHG reduction measures, these would help the county meet or exceed its carbon neutrality goal by 2045 and allow additional flexibility to meet the region's carbon neutrality goal by providing a buffer for future variability and uncertainty when implementing the RCAAP.

Vulnerability Assessment

A climate-resilient community is one: (1) that can effectively cope with, manage, and minimize the impacts of current and future climate hazards (and climate change more broadly); and (2) that can recover efficiently and equitably when adverse impacts are experienced.

To effectively adapt to climate change, Napa County jurisdictions first conducted a climate change vulnerability assessment (VA) in April 2024 to determine countywide vulnerabilities of people, the built environment, and natural resources to various climate hazards, which refers to natural hazards that are worsened or altered due to the effects of climate change.

Five climate change effects were evaluated in the VA: (1) wildfire; (2) increased temperatures and extreme heat; (3) extreme precipitation, sea level rise, and flooding; (4) drought; and (5) energy grid impacts.

The VA includes distinct analyses that determine exposure, sensitivity, potential impacts, adaptive capacity, and vulnerability in the context of climate change.

Exposure: The presence of people, infrastructure, natural systems, and economic, cultural, and social resources in areas subject to harm.

Sensitivity: The degree to which a species, natural system, community, government, or other associated systems would be affected by changing climate conditions.

Potential Impacts: A specific negative result of a climate change effect, generally on a particular population or asset. The combination of exposure and sensitivity often determines potential impacts.

Adaptive Capacity: The combination of the strengths, attributes, and resources available to an individual, community, society, or organization that can be used to prepare for and undertake actions to reduce adverse impacts, moderate harm, or exploit beneficial opportunities.

Vulnerability: The degree to which natural, built, and human systems are at risk from climate change impacts. Overall, vulnerability is considered a function of exposure, sensitivity, potential impacts, and adaptive capacity.

The VA directly informed the preparation of 40 distinct adaptation measures included in this RCAAP, which are organized into six different strategies and aimed at reducing vulnerability, adapting to the impacts of climate change, and increasing community resilience.

Adaptation Strategies

Climate change adaptation involves adjusting to effects that are already occurring and preparing for those that are anticipated to occur in the future. Climate change adaptation planning enhances community resilience by evaluating jurisdiction-specific vulnerabilities and developing measures to respond to and prepare for current and future impacts.

Napa County jurisdictions' existing hazard mitigation plans and general plan safety elements were reviewed to identify gaps in addressing climate-related hazards and risks (see Appendix K). The climate adaptation strategies, measures, and actions in the RCAAP fill gaps which enhance Napa County Jurisdictions' climate resilience.

The 40 adaptation measures from the RCAAP fall into the following six overarching adaptation strategies:

- **All:** Improve Napa County jurisdictions' Overall Climate Resilience
- **Fire:** Prepare for and Adapt to Increased Wildfire Risk
- **Temp:** Prepare for Increased Temperatures and More Frequent Extreme Heat Events
- **Flood:** Prepare for More Frequent Extreme Precipitation and Flooding Events, Combined with Sea Level Rise Threats
- **Drought:** Prepare for More Frequent Drought Events and Enhance the Region's Overall Water Supply Resilience
- **Energy:** Improve the Region's Energy Grid Resilience

CEQA Initial Study

Napa County jurisdictions are currently preparing an Initial Study for the RCAAP, pursuant to CEQA. Napa County will serve as lead agency for the preparation of the Initial Study, with other incorporated jurisdictions acting as responsible agencies. The Initial Study will evaluate the potential environmental effects of the proposed RCAAP and its implementation, and the County and responsible agencies will make the appropriate environmental determination following completion of the Initial Study. Following completion of the environmental review process, each governing body will certify the CEQA document and adopt the RCAAP following a public hearing.

On June 27, 2025 the Napa Climate Action Committee (CAC) directed staff to move forward with the recommended Initial Study of the RCAAP. The recommendation to initiate the preparation of the Initial Study was reached through conversations between the city managers of the six jurisdictions, the County CEO's office, the All Jurisdiction Working Group (comprised of staff from all six jurisdictions), the project team, and the CAC.

Ascent will prepare an Administrative Draft Initial Study with mitigation measures if potentially significant impacts are identified. Staff from all 6 jurisdictions will have a chance to review and comment on the draft Initial Study prior to release for public review.

Implementation - including funding, costs, etc.

As Napa County jurisdictions move forward with adopting and implementing the RCAAP, sustained regional coordination and collaboration will be required to ensure adequate staffing to guide the many near-term actions necessary to implement the measures.

Napa County jurisdictions must also consider how to best leverage and prioritize existing local funding sources, while developing a strategy for securing new funding, such as state or federal grants, loans, or other special financing mechanisms, to support the longer-term investments required for successful RCAAP implementation. Appendix I of the RCAAP provides an assessment of funding and financing options identified as potential funding sources and financing mechanisms that could support implementation of the 9 priority measures for GHG reductions and 10 priority measures for climate adaptation.

Implementation of the RCAAP will also require regular monitoring and updates to ensure the plan is on target to achieve its near-term and long-term targets, while also remaining adaptable to new challenges and opportunities. Appendix H of the RCAAP provides specific implementation details for all GHG reduction and

climate adaptation measures and actions. While the implementation matrices identify applicable jurisdictions, potential partners, implementing mechanisms, and estimated timeframes, a more detailed and tailored strategy framework plan for implementing the RCAAP will be necessary.

An implementation plan can help define each of the participating jurisdiction's roles and priorities, increase accountability and transparency, clarify coordination needs, align RCAAP implementation with jurisdiction budget decisions, and department-level working plans. The CAC and the All Jurisdiction Working Group will be essential in ensuring a coordinated implementation plan aligns with each jurisdiction's goals and clearly defines each jurisdiction's role and responsibility in implementing the RCAAP measures.

Next Steps

Staff request the Climate Action Committee receive a presentation on the Draft Napa Regional Climate Action and Adaptation Plan.

The Draft RCAAP is now available for public review. A 60-day review period will be open from August 1, 2025 to September 30, 2025.

Upcoming Public Events and Community Engagement Opportunities

Open House Events

Wednesday, August 20, 2025 Yountville Community Center, Heritage Room 6:00 pm - 8:00 pm

Thursday, August 21, 2025 American Canyon Public Library, Community Room 5:30 pm - 7:30 pm

Wednesday, August 27, 2025 Napa Main Library, Community Room 5:30 pm - 7:30 pm

*please visit climateactionnapa.konveio.com to RSVP for any of the above events

Presentations

Tuesday, August 05, 2025, Napa County Board of Supervisors

Friday, August 22, 2025, Climate Action Committee

Tuesday, September 02, 2025, Napa City Council

Wednesday, September 03, 2025, American Canyon Open Spaces, Active Transportation, and Sustainability Committee

Friday, September 23, 2025, St. Helena City Council

Napa County Regional Climate Action and Adaptation Plan

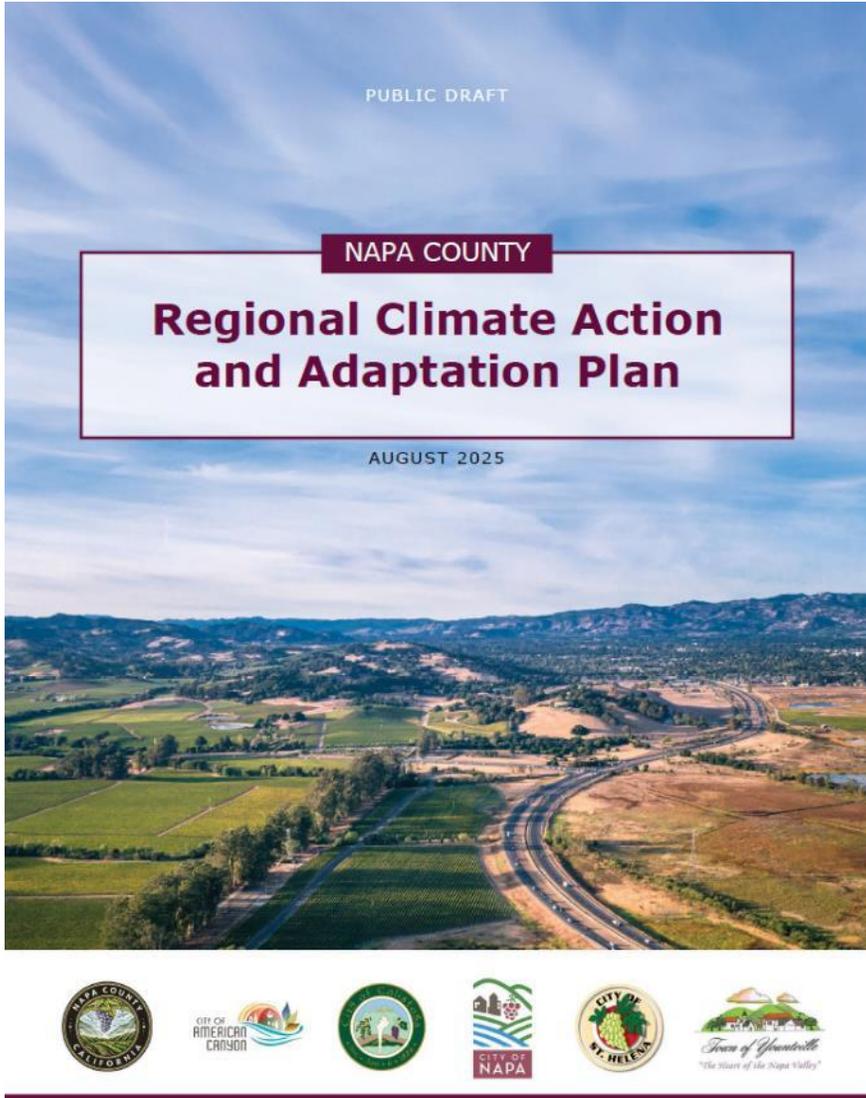


City Council + OSATS Commission Joint Meeting

September 16, 2025



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
- **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**



Source: YPCCC (no date); figure developed by Ascent in 2025.

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

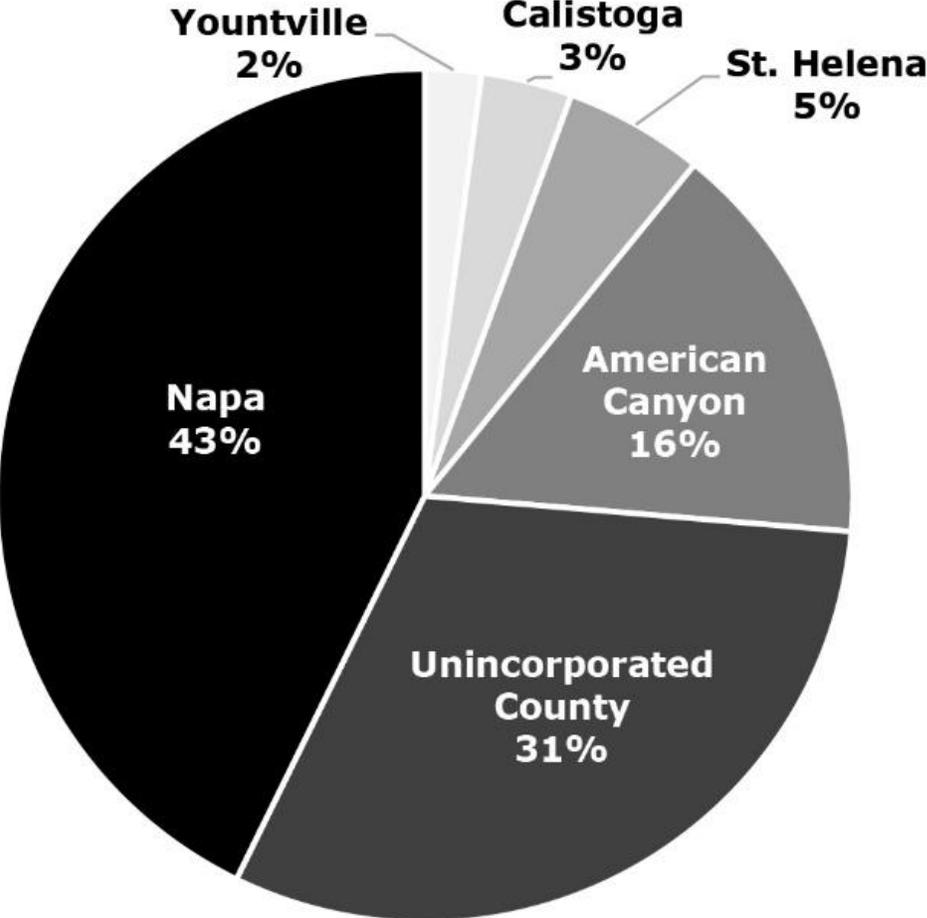
6

implement the GHG
reduction strategies
and monitor
progress

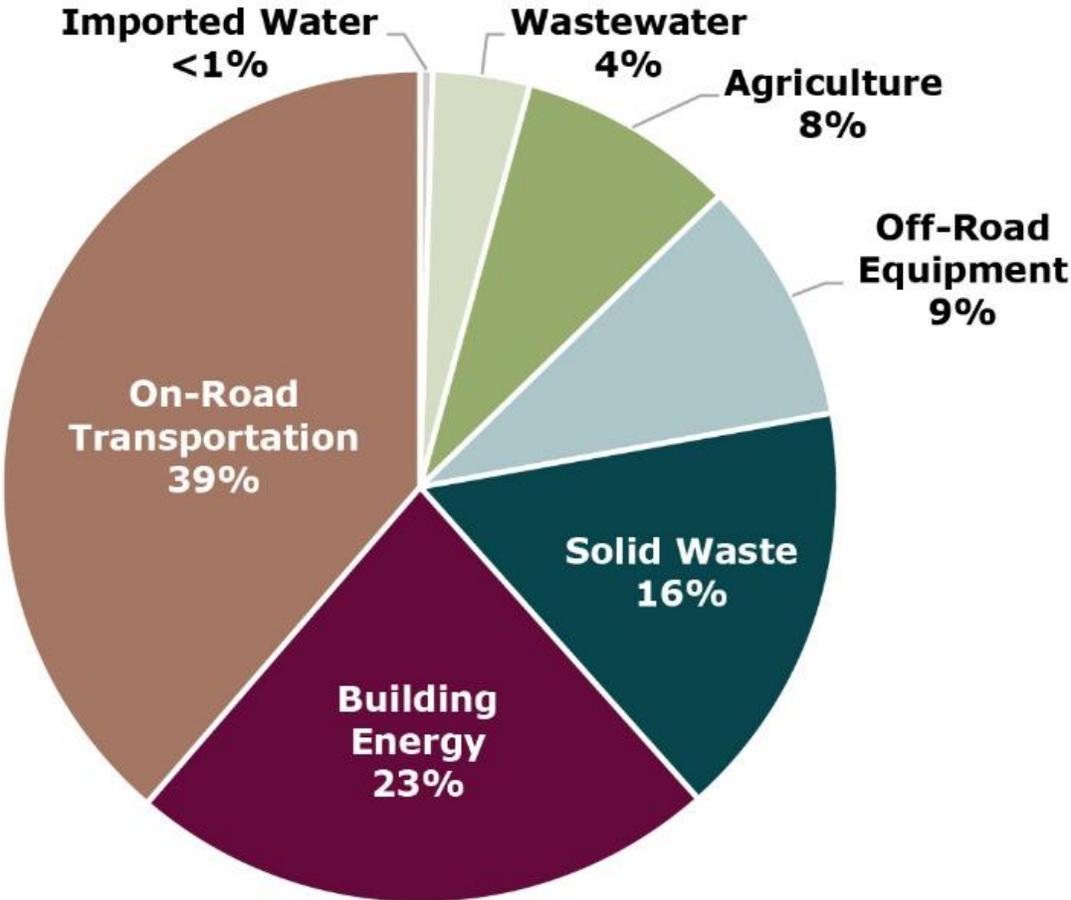
Climate Action: GHG Mitigation

Napa County's Regional GHG Emissions Inventory (2019)

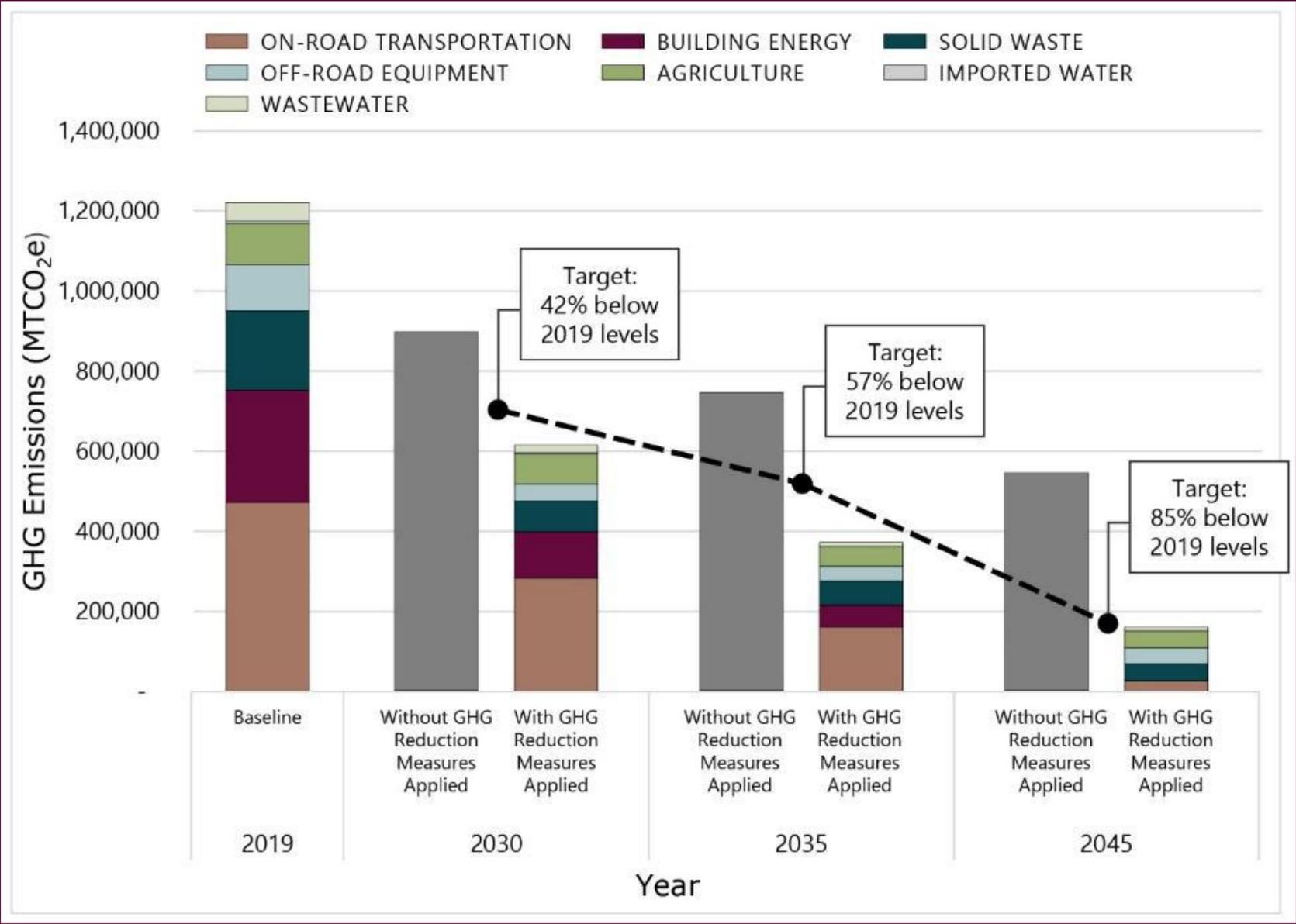
BY JURISDICTION



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

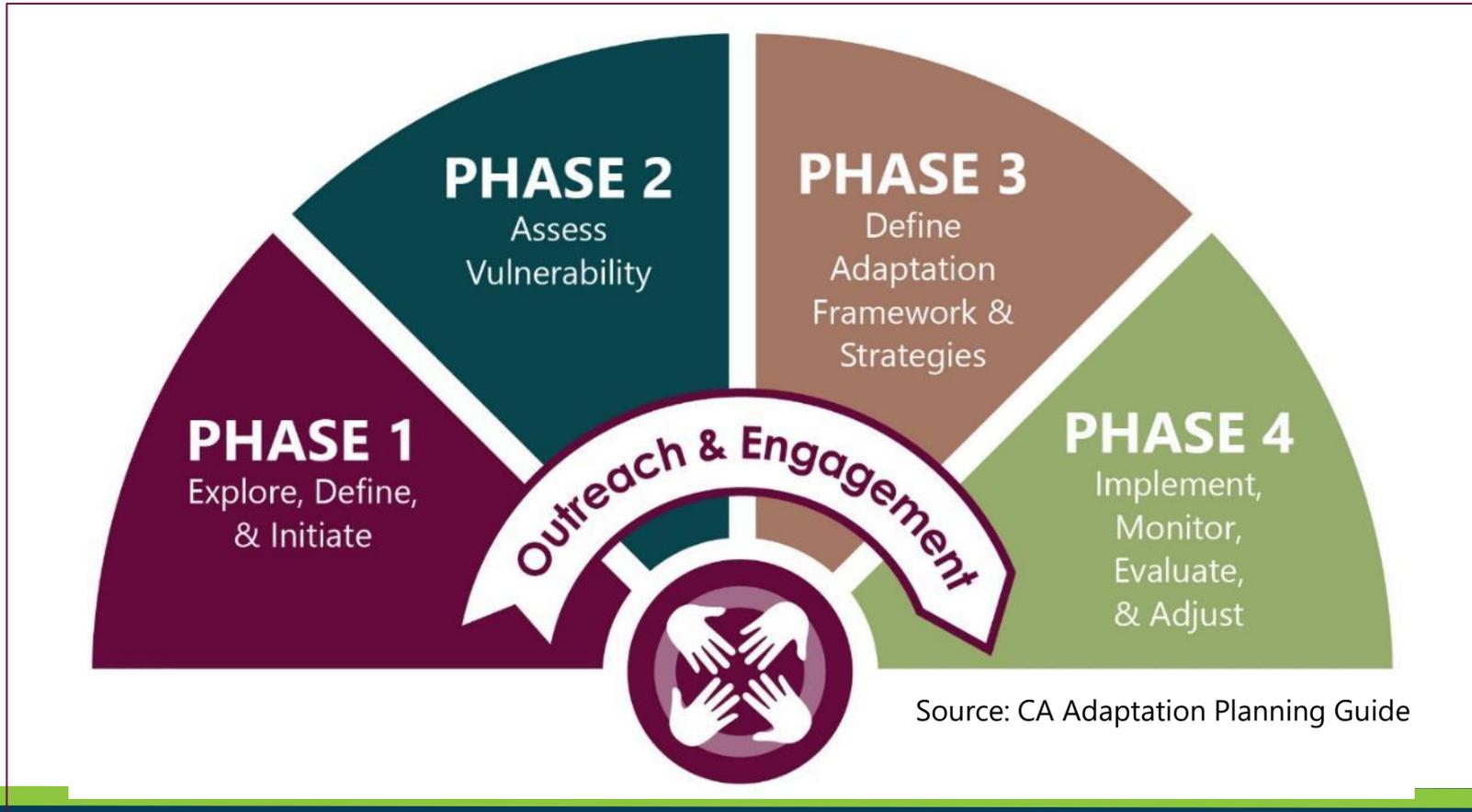
- 6% of all reductions
- 11% of all anthropogenic reductions



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



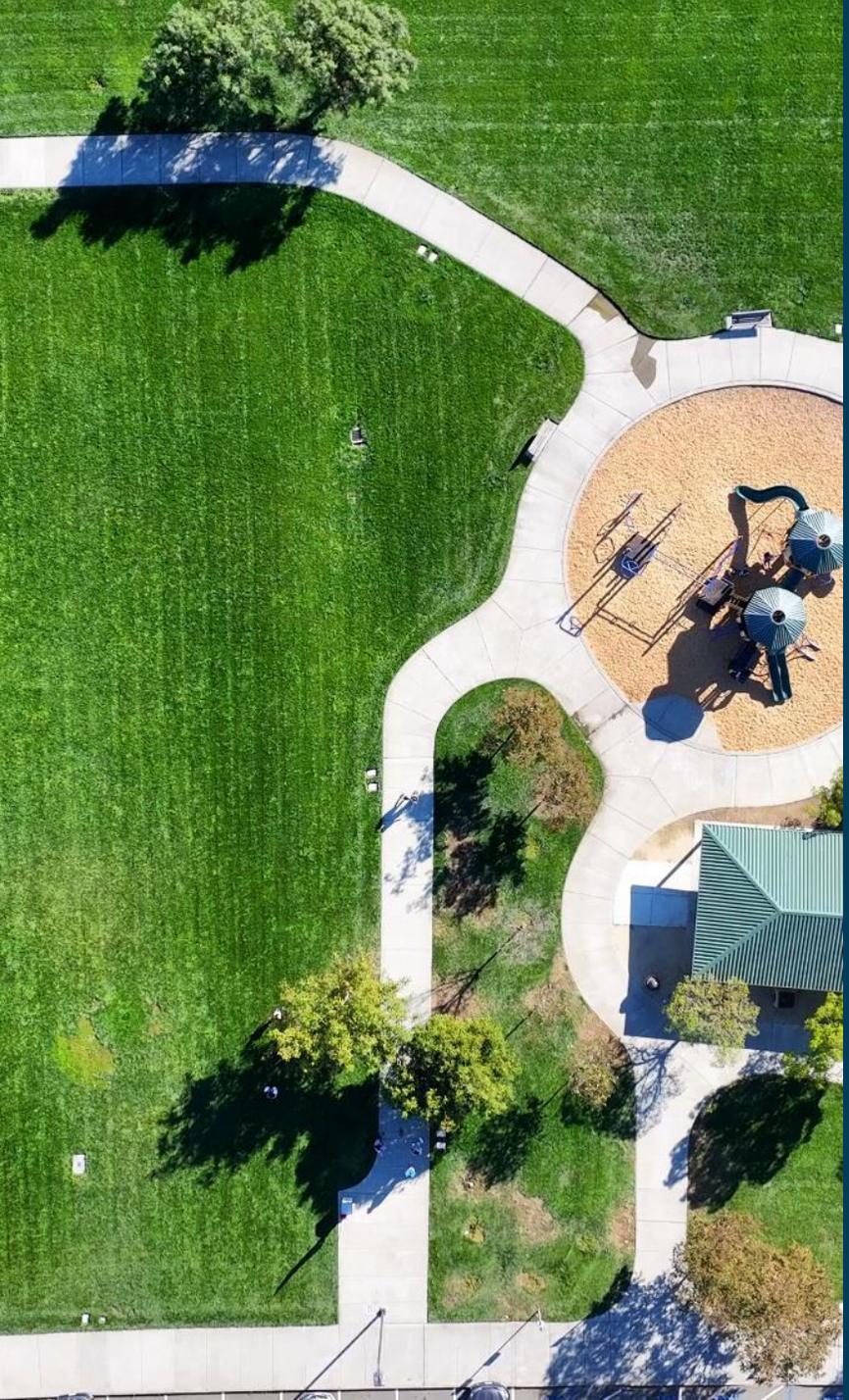


Climate Adaptation

Climate 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 area. In the center, there is a circular playground with a wooden floor and several pieces of equipment. To the right of the playground is a small building with a green roof. A paved path winds through the park, connecting the playground, the building, and other areas. The surrounding area is mostly green grass with some trees and shadows cast by the sun.

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