

Attachment A – Land Acknowledgement

Land Acknowledgement Statement

We should take a moment to acknowledge the land on which we are gathered. For thousands of years, this land has been the home of Patwin people. Today, there are three federally recognized Patwin tribes: Cachil Dehe Band of Wintun Indians of the Colusa Indian Community, Kletsel Dehe Band of Wintun Indians, and Yocha Dehe Wintun Nation.

The Patwin people have remained committed to the stewardship of this land over many centuries. It has been cherished and protected, as elders have instructed the young through generations. We are honored and grateful to be here today on their traditional lands.

Approved by Yocha Dehe Tribal Council (July 23, 2019)

Attachment B – 2024.01.22 YCCAC Meeting Minutes



MEETING MINUTES

Yolo County Climate Action Commission

January 22, 2024 | 4:00 PM – 6:30 PM

COMMISSION MEMBERS:

Suzanne Reed, District 1 Appointee (*not in attendance*)

Robin Datel, District 2 Appointee

Mark Aulman, District 3 Appointee

Andrew Truman Kim, District 4 Appointee (**VICE-CHAIR**)

Adelita Serena, District 5 Appointee

Chris White, Technical Lead

NJ Mvondo, Environmental Justice Lead (**CHAIR**)

Bernadette Austin, Climate Scientist/Subject Matter Expert (*not in attendance*)

Pelayo Alvarez, Climate Scientist/Subject Matter Expert (*not in attendance*)

Mica Bennett – At Large

Ken Britten – At Large

EX-OFFICIO MEMBERS:

Sarah Morgan, Yocha Dehe Wintun Nation

Carla Fresquez, UC Davis

SUPERVISORS:

Supervisor Lucas Frerichs, Yolo County Board of Supervisors, District 2 (*not in attendance*)

Supervisor Jim Provenza, Yolo County Board of Supervisors, District 4

1. Land Acknowledgement (*Attachment A*) (*C. White*)

2. Approval of the Agenda

- Consider approval of the agenda

Decision: Approve

Approved By / Seconded By: K. Britten/A. Serena

Ayes: R. Datel, M. Aulman, A. Kim, A. Serena, C. White, NJ Mvondo, K. Britten

Noes: None

Abstain: None

Absent: B. Austin, P. Alvarez, S. Reed

3. **Public Comment** – this item is reserved for public comment on items relating to the Commission business that are not on the agenda. Public comment for items on the agenda will be taken when that agenda item is considered.
 - No public comment at this time.
4. **Approve November 27th Commission Meeting Minutes (*Attachment B*)**

Decision: Approve

Approved By / Seconded By: R. Datel/M. Aulman

Ayes: R. Datel, M. Aulman, A. Kim, A. Serena, C. White, NJ Mvondo, K. Britten

Noes: None

Abstain: None

Absent: B. Austin, P. Alvarez, S. Reed

Public Comment

- No public comment at this time.

5. **Staff Announcements/Reports (Staff) (30 minutes)**

- Staff shared that the Sustainability Division was recently awarded a Regional Resilience grant award from the Governor’s Office of Planning and Research - Integrated Climate Adaptation and Resilience Program (ICARP).
- Staff shared an update on deadline extension and outreach efforts for the Climate Action Plan (CAAP) Youth Calendar Art Contest.
- Staff noted an upgrade to their monthly Sustainability Newsletter delivery platform to improve communication and appeal.
- Staff provided an update on the CAAP Timeline.

Public Comment

- A question was asked if there is a way to set up a craft station for the CAAP Youth Calendar Contest at local libraries.
 - Staff expressed interest and responded that dedicated workshops are not within the capacity of the library at this time, rather staff is joining along preexisting outreach events.

6. **Receive Update on CAAP Community Conversation Outcomes (K. Wraithwall) (*Attachment C, D*)**

- Staff noted that the Equity & Engagement and Natural & Working Lands Technical Advisory Committees are not present on agenda and will be included under Item #6.
- Staff provided a summary and outcomes of the CAAP Community Conversations Workshops.

- Dudek Consulting Team provided context on how community workshop feedback is being integrated into the CAAP.

Public Comment

- A comment highlighted efforts of community engagement made by Cool Davis.
- A comment was made on the Davis CAAP workshop, noting that there were participants of various ages and suggested for future outreach efforts to meet people where they are at.
- A comment was made on the dot voting activities at CAAP Workshops, suggesting a need for adjusting the system to prevent wealthier community members from having disproportionate influence, possibly by using median income as a balancing factor in vote weighting.

7. Review and Provide Feedback on CAAP Table of Contents (*K. Wraithwall, J., Reed, M. Hendrix*) (*Attachments E, F, G*) (20 minutes)

- Yolo County Staff and Dudek Consulting Team provided an overview of the CAAP Table of Contents.
- Commission members made comments and suggestions on the CAAP Table of Contents such as making the guide user-friendly, enhancing language use options, educational content expansion, and potential rearrangement of the table's order. There was also a suggestion to reverse the direction of the table of contents.

Public Comment

- A comment was made to focus on individual actions within Yolo County communities and to consider this for the CAAP.

8. Implementation and Monitoring Plan (*M. Hendrix*) (*Attachment H, I*) (30 minutes)

- Dudek Consulting Team presented the implementation and monitoring plan, such as; going over responsible parties, tracking tools, and adaptive management. A detailed overview of the CAAP strategy, actions, and measures, with emphasis on a Master Tool for tracking and quantifying emissions reductions was also provided.
- Commission members discussed the feasibility and staff resources required for monitoring, proposing the use of AI and dashboards to streamline the process.

Public Comment

- A comment was made in favor of the dashboard and suggested the need to have approval from various County staff to ensure the success of the dashboard.
- A comment was made about the need to keep the enthusiasm throughout this entire process to ensure it reaches its milestones.

9. Commission Member Reports, Comments, Future Agenda Items

- Events to be Included in the Newsletter:
 - Commission members commented on the next Woodland Green Drinks event hosted by the Woodland Sustainability Advisory Committee.
 - Ex-officio member shared completion of the UC Davis Fossil Free Pathway Plan.

10. Long Range Calendar (*Attachment J*)

- The calendar of events moving forward was shared.

11. Adjournment

- Meeting adjourned at 06:33 PM

PUBLIC PARTICIPATION INSTRUCTIONS:

All meetings of the Yolo County Climate Action Commission will be held in person at the Yolo County Board of Supervisors Chambers, located at 625 Court Street, Woodland, Room 206. While the Board chambers are open for public attendance, members of the public are strongly encouraged to observe and participate in the meeting via Zoom at <https://yolocounty.zoom.us/j/87876273446> or by phone at (669) 900-6833 passcode 87876273446#.

If you are joining the meeting via zoom and wish to make a comment on an item, press the "raise a hand" button. If you are joining via telephone, press*9 to raise your hand. The chair will call you by name when it is your turn to comment. **Speakers will be limited to 3 minutes (subject to change).**

If you choose not to observe the Commission meeting but wish to make a comment on a specific agenda item, please submit your comment via email by 5:00 p.m. on the Friday prior to the Commission meeting. Please submit your comment to the Kristen Wraithwall at Kristen.wraithwall@yolocounty.org noting in the subject line: For Public Comment. Your comment will be placed into the record at the Commission meeting.

If you are watching/listening to the Commission meeting and wish to make either a general public comment or to comment on a specific agenda item as it is being heard, you may also submit your comment, limited to 250 words or less, to Kristen Wraithwall at kristen.wraithwall@yolocounty.org noting in the subject line: For Public Comment. Every effort will be made to read your comment into the record, but some comments may not be read due to time limitations. Comments received after an agenda item will be made part of the record if received prior to the end of the meeting.

Attachment C – 2024 Long Range Calendar

Yolo County Climate Action Commission

Long Range Calendar 2024

UPDATED – February 21, 2024

Month	Topics
January	<p><i>Interdepartmental Green Team Meeting #2</i></p> <p>Discuss CAAP Community Conversation Series Outcomes</p> <p>Review DRAFT CAAP Table of Contents</p> <p>Review Memo on Implementation and Monitoring Plan</p>
February	<p>Briefing Board of Supervisors Members on CAAP Community Conversation Outcomes</p> <p>Approve Updated Emission Reduction and Adaptation Measure + Action List</p> <p>Review Natural and Working Lands Outreach Summary</p>
March	<p>Review DRAFT Funding and Financing Roadmap</p> <p>Review Phasing of Approved CAAP Measure + Action List</p> <p>Discussion on Commission Term Renewals and Leadership</p> <p>Review of CAAP DRAFT Batch #1</p> <p>Approve Additional ARP Funding Allocations</p> <p>Update on Early Action Projects</p>
April	<p><i>TENTATIVE: Presentation to Board of Supervisors on Draft CAAP (Inventory, Targets, Prioritization, and Reduction and Adaptation Measures) April 9th</i></p> <p>Discussion on the Water-Climate Nexus and Groundwater Sustainability in Yolo County</p> <p><i>Interdepartmental Green Team Meeting #3</i></p> <p>Review of CAAP DRAFT Batch #2</p>
May	TBD
June	<p><i>TENTATIVE: Commission Review of DRAFT CAAP</i></p> <p><i>TENTATIVE: Start of 30-Day Comment Period June 7th</i></p> <p><i>TENTATIVE: Draft CAAP Public Workshops</i></p>
July	<i>TENTATIVE: End of 30-Day Comment Period July 6th (may move to accommodate holiday)</i>
August	
September	<p><i>Interdepartmental Green Team Meeting #4</i></p> <p><i>TENTATIVE: Commission Adoption of CAAP</i></p>
October	<i>TENTATIVE: Board Adoption of CAAP October 8th or 22nd</i>
November	
December	

Attachment D – Zero-Emission UTV Program Flyer

Zero-Emission

UTV Voucher Program



YOLO-SOLANO
AIR QUALITY MANAGEMENT DISTRICT



Incentive

Up to 75% of the eligible cost of new equipment, with a maximum eligible funding amount of \$13,500

**Yolo County residents may be able to receive increased incentives*



Eligibility

The Zero-Emission Agricultural Utility Terrain Vehicle (UTV) Voucher Program provides monetary incentives for the **replacement of existing diesel or gasoline-powered UTVs and tractors** with less than 25 horsepower to qualified individuals, businesses, educational institutions, and non-profit organizations involved in **local agricultural operations**.

The new equipment must be **Zero-Emission** - emit zero tailpipe emissions from its onboard source of power, such as all electric or hydrogen fuel cell vehicles, and may not undergo any modification that would allow propulsion by any other means.



YOLO-SOLANO
AIR QUALITY MANAGEMENT DISTRICT

Apply Here!



Attachment E – Zero-Emission UTV Program Social Media

Zero-Emission UTV Voucher Program

Up to 75% of the eligible cost of new equipment, with a maximum eligible funding amount of \$13,500

**Yolo County residents may be able to receive increased incentives*

New equipment must be **Zero-Emission**, such as all electric or hydrogen fuel cell vehicles, and may not undergo any modification that would allow propulsion by any other means.

Zero Emission UTV Voucher Program is part of California Climate Investments, a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment — particularly in disadvantaged communities.



YOLO-SOLANO
AIR QUALITY MANAGEMENT DISTRICT



Cap and Trade
Dollars at Work

Zero-Emission **UTV Voucher Program**

Zero Emission UTV Voucher Program is part of California Climate Investments, a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment – particularly in disadvantaged communities.



YOLO-SOLANO
AIR QUALITY MANAGEMENT DISTRICT



Cap and Trade
Dollars at Work

Zero-Emission

UTV Voucher Program

Up to

\$13,500

to qualifying Applicants

* Yolo County residents may be able to receive **increased incentives.**

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YOLO-SOLANO
AIR QUALITY MANAGEMENT DISTRICT



Cap and Trade
Dollars at Work

Attachment F – Summary of Working Lands Outreach Survey



SUMMARY OF WORKING LANDS OUTREACH SURVEY RESULTS

The Natural and Working Lands Technical Advisory Committee (NWL TAC), chaired by the Yolo County Resource Conservation District (Yolo RCD), developed a Working Lands Outreach survey to understand the extent of climate resilient practices currently implemented within Yolo County, and the feasibility of expanding these practices in the future to achieve Climate Action and Adaptation Plan (CAAP) goals and advance associated co-benefits. The online survey was available from July 2023 to November 10, 2023 and was distributed via the following channels:

- **Electronic Distribution Via the Following Listservs:** Yolo RCD, Yolo County Sustainability Division, the Center for Land-Based Learning, the Capay Valley Regenerative Agriculture Group, the Rumsey Improvement Association, UCCE Agronomy listserv (*Yolo County specific*), UCCE Vegetable Crops listserv (*Yolo County specific*), Yolo County Flood Control and Water Conservation District, Kitchen Table Advisors (*Yolo County specific*).
- **Hard Copy Distribution at the Following Events:** Yolo Cattlemen and Woolgrowers Association Meeting, Yolo County Farm Bureau Board Meeting.
- **Mailed Surveys:** Paper surveys were sent by U.S. mail to the 280 Yolo Cattleman and Woolgrowers Association members and the 730 members of the Yolo County Farm Bureau.
- **Social Media:** Links to online versions of the survey were shared via social media by the Yolo RCD (5 times) and by the Yolo County Sustainability Division (2 times).

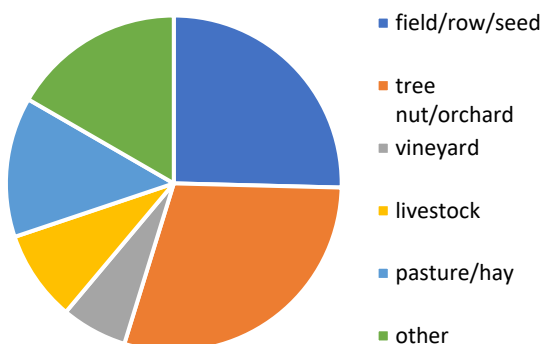
Preliminary results are summarized below, and include 83 responses from the following:

- **58 completed hard copy surveys** from Yolo County Farmers and Ranchers (*including 46 received by mail and 12 received from the Yolo County Farm Bureau Board Members*)
- **25 completed online surveys**

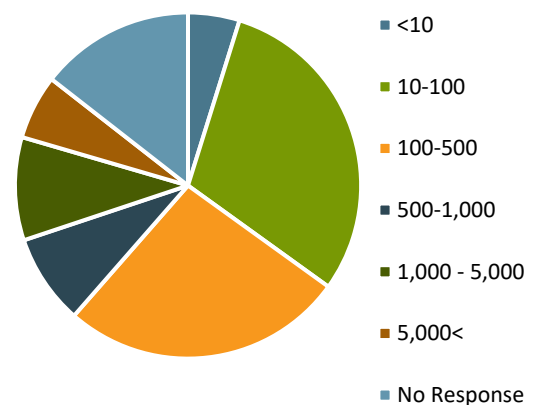
In addition to the 83 survey responses received, Yolo RCD completed 12 one-on-one interviews with leaders in Yolo County Agriculture who represent a broad swatch of Yolo County Agricultural operations. While the results of these interviews are not included in the summary charts below, the qualitative outcomes of those interviews are being integrated into the Climate Action and Adaptation Plan draft.

Demographic data related to survey results, including type and size of operation is provided below, followed by a summary of survey results related to practices currently implemented within Yolo County, feasibility of implementing practices in the future, and barriers to implementation.

Respondent Operation Type

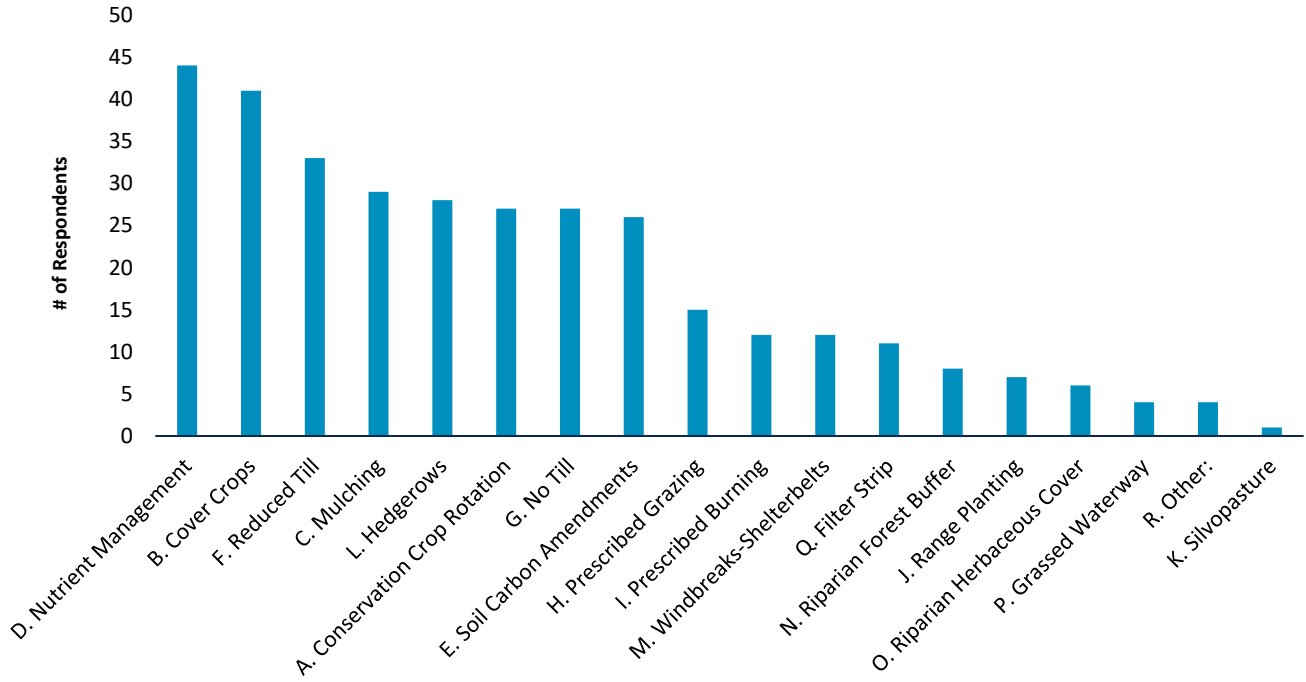


Respondent Operation Size (in acres)

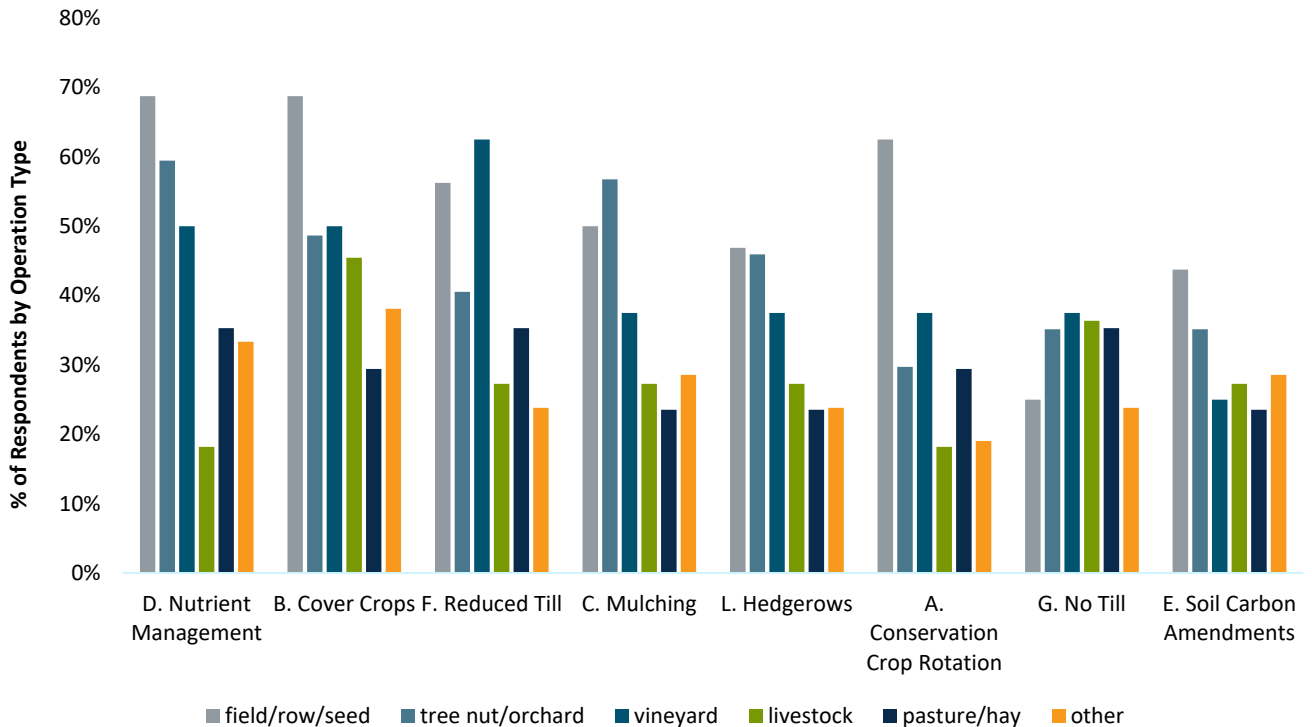


Results: Currently Implemented Practices

Below is a list of the practices that farmers and ranchers noted that they are currently implementing on their operations within Yolo County.

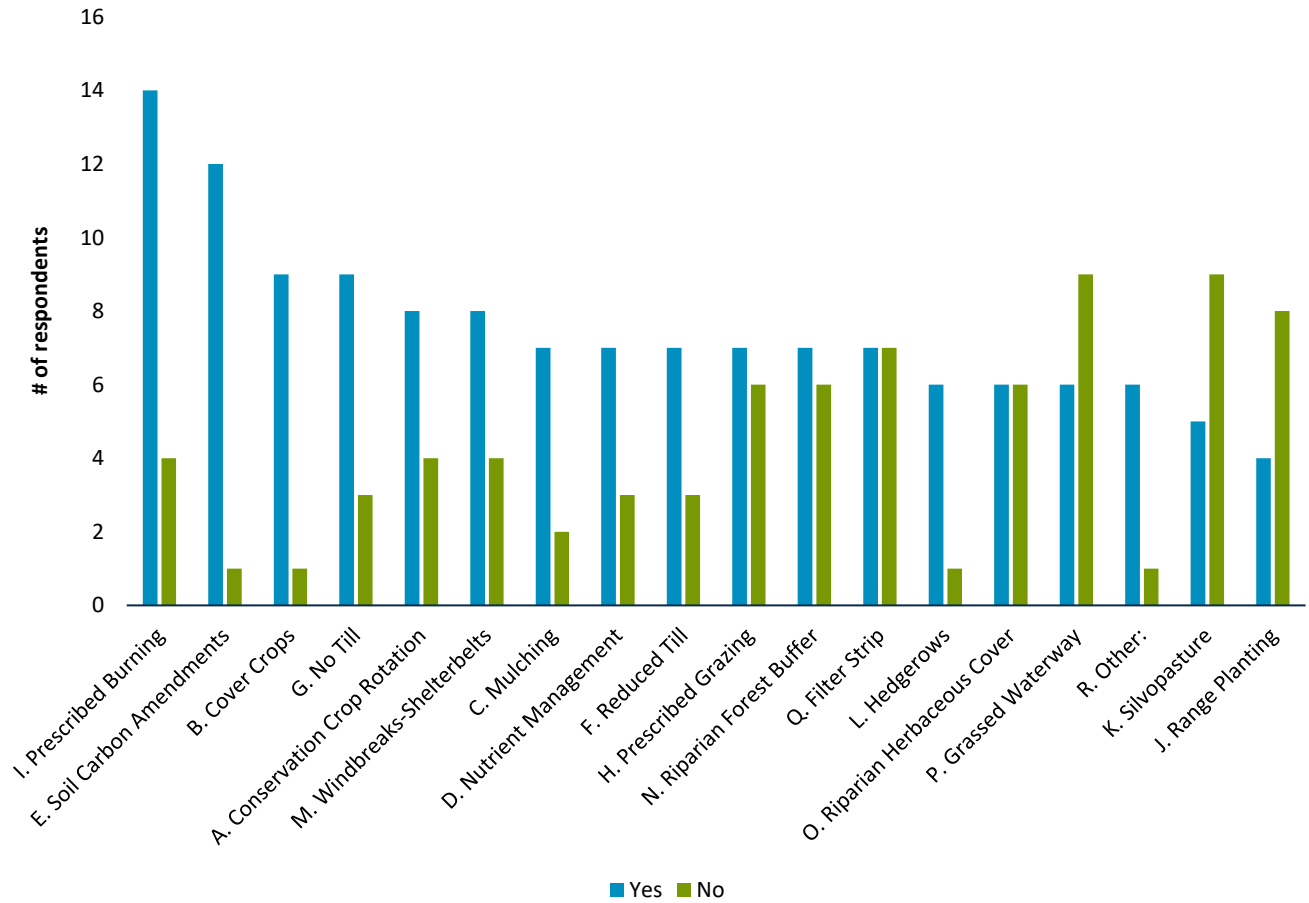


Top 8 Currently Implemented Practices, by Operation Type



Results: Practice Feasibility

Would any of the following practices be feasible for your operation within Yolo County?



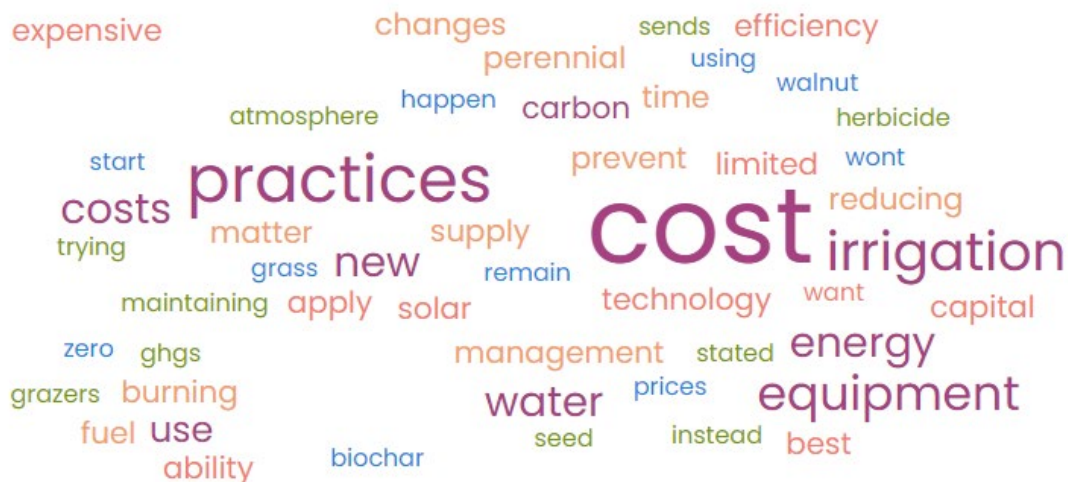
Results: Barriers

The following three questions allowed for open-ended responses. Word clouds have been created to reflect the most commonly used phrases provided in response to each question.

“What barriers or challenges with implementing carbon storage practices do you face?”



“What barriers or challenges with implementing greenhouse gas emissions reduction or irrigation management practices do you face?”



“What incentives or resources are needed to implement carbon storage practices?”



Attachment G - Staff Report on Updated Emission Reduction and Adaptation Strategy, Measure, and Action List

STAFF REPORT

DATE: February 26, 2024

TO: Yolo County Climate Action Commission

FROM: Kristen Wraithwall, Sustainability Manager
Jennifer Reed, Dudek
Sarah Halterman, Dudek

RE: Consider and Approve Updated Emission Reduction and Adaptation Strategy, Measure, Action List

RECOMMENDED ACTION

Consider and Approve Updated Climate Action and Adaptation Plan (CAAP) Emission Reduction and Adaptation Strategy, Measure, Action List.

REASON FOR RECOMMENDED ACTION

Providing a conditional approval of the attached updated Strategy, Measure, Action List (Attachment H), will enable the Dudek team to finalize the GHG Emissions Reduction Scenarios and ensure that the CAAP outlines a path to achieving net-negative emissions by 2030. Additional language tweaks and the addition of additional actions may be required after the conditional approval based on additional feedback received, but preliminary approval at this stage will allow Dudek and County staff to make strides towards completing the DRAFT CAAP.

BACKGROUND

At the November 2023 Commission meeting, the DRAFT list of CAAP Strategies, Measures, and Actions was presented to the Commission and the public. A robust discussion took place to provide feedback on the framework provided. In December 2023 and again in January 2024, County staff met with the County Green Team—the 25-member interdepartmental advisory body that is providing input on CAAP development—to solicit and debrief feedback on the Strategy, Measure, and Action list that was presented to the Commission in November.

Throughout January and February, the Dudek team in partnership with the Yolo County Sustainability Division updated the Strategy, Measure, and Action list to reflect the approximately 1,000 individual pieces of feedback received from the Commission and

Green Team Members, as well as the feedback received throughout the 9 Community Conversations (CAAP Workshop Series #2) that took place in November 2023 through January 2024. The attached, updated spreadsheet (Attachment H), reflects an updated and condensed framework that responds to the variety of feedback received. Overall, the framework has been condensed (from 225 to approximately 180 actions) and re-sorted into a simplified list of measures across the 10 strategies.

At this time, County staff are requesting preliminary approval of the attached Strategy, Measure, Action list so that the Dudek team can proceed with finalizing the emissions reduction scenarios for the plan and move forward with developing the DRAFT CAAP. It is important to note that some measure/action language may need to be tweaked in order to respond to feedback received at the February Commission meeting and as the emissions reduction scenarios are being developed.

NEXT STEPS

Following this meeting, Dudek and the Sustainability Division will work to identify the following for each action:

- The Enforcement Type (*ie. required, voluntary, N/A, incentive-based, etc.*)
- County Department/Division responsible for implementation/tracking
- Key Performance Metrics
- Funding Opportunities
- Alignment with Existing Policies or Plans
- Potential Community Partners

Additionally, for all actions noted as “Quantitative” in the spreadsheet, emissions reduction potential will be calculated. These additional components will be integrated into the DRAFT CAAP, to be completed in late May/early June 2024.

Attachment H – Updated DRAFT Strategy, Measure, Action Framework

Yolo County Climate Action and Adaptation Plan
 Draft Strategies, Measures, and Actions
 Reader's Guide

Strategies	Community Inventory Sector	Municipal Inventory Sector
1. Decarbonize Transportation	On Road Transportation	Vehicle Fleet
2. Reduce Vehicle Miles Traveled	On Road Transportation	Employee Commute
3. Decarbonize Energy and Buildings and Increase Energy Efficiency	Energy Consumption	Energy Consumption
4. Optimize Water Use	Water and Wastewater	Water and Wastewater
5. Minimize Waste	Solid Waste	Solid Waste
6. Reduce Offroad Equipment Emissions	Off-Road Equipment	Off-Road Equipment
7. Encourage Sustainable Agriculture	Agriculture	
8. Sequester and Store Carbon in Natural and Working Lands		
9. Reduce Carbon Footprint of Consumption and Production		
10. Build Resilient Infrastructure and Healthy Communities		

Phasing

- Phase 1: 2024 to 2027 (first 3 years)
- Phase 2: 2027-2030 (next 3 years)
- Phase 3: 2030-2045 (post-2030 future/unknowns)

Definitions

Strategy	High-level strategies that encompass all GHG emission and adaptation sectors relevant to achievement of the County's CAAP objectives
Measure	Measures are focused on the sector-, or sub-sector-specific objectives that are achieved through individual implementing actions.
Action	Specific policies, programs, or tools to be implemented

Key Acronyms/Abbreviations

CAAP	Climate Action and Adaptation Plan
CPS	Conservation Practice Standard
CSS	Climate Smart Strategy
NRCS	Natural Resources Conservation Service
ZEV	zero emission vehicle

In-Progress Revised Measures

Bold means priority/core/key measure

1. Decarbonize Transportation

Electrify County Fleet

Install Electric Vehicle Charging Infrastructure

Encourage Transition to Electric Vehicles

Encourage Transition to Other Zero Emissions Vehicle Technologies

2. Reduce Vehicle Miles Traveled

Reduce Single-Occupancy Vehicle Trips

Encourage Transit-Oriented and Infill Development

3. Decarbonize Energy and Buildings and Increase Energy Efficiency

Increase Energy Efficiency in Buildings

Decarbonize and Electrify Buildings

Increase Renewable Energy Generation and Storage

Procure Zero-Carbon Electricity

4. Optimize Water Use

Reduce Water Consumption

Promote Greywater, Recycled Water, and Stormwater Capture

Conserve and Enhance Natural Water Sources

Encourage Efficient Water Use in Agricultural Operations

5. Minimize Waste

Reduce Landfill Waste

Increase Construction and Demolition Waste Diversion

Reduce Emissions from Waste Management

6. Reduce Offroad Equipment Emissions

Increase Electric and Zero Emission Offroad and Landscaping Equipment Adoption

Decarbonize Agricultural Equipment

7. Encourage Sustainable Agriculture

Reduce Use of Chemical Inputs

Encourage Use of Sustainable Crop Types

Reduce Methane Emissions

8. Sequester and Store Carbon in Natural and Working Lands

Encourage Climate Smart Practices in Working Lands

Restore Natural Lands

Promote Stewardship within Natural Lands

Conserve Natural and Working Lands

9. Reduce Carbon Footprint of Consumption and Production

Responsible Consumption Guidance

Neighborhood Carpool Program

Personal Water Efficiency

Carbon Neutral Travel

Increase Consumption and Production of Local Agricultural Products

Require Environmentally Responsible Purchasing

10. Resilient Infrastructure and Healthy Communities

Reduce Urban Heat Island Effect

Minimize Hazard Exposure

Minimize Workplace Hazard Exposure

Create Resilience Centers

Increase Neighborhood Response

Prepare Vulnerable Communities

Improve Equitable Distribution of Resources

Strategy 1 Decarbonize Transportation
 Sectors: On-Road Transportation

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
Electrify County Fleet	Install EV charging stations at County facilities to facilitate the use of County owned ZEVs	Municipal Action	County Initiative	S
	Replace County light-duty gasoline and diesel-fueled vehicles with ZEVs.	Municipal Action	County Initiative	Q
	Provide an internal County Education Program focused on the advantages of ZEVs per the forthcoming ZEV Action Plan, highlighting the transition implications within the new fleet policy.	Municipal Action	Program	S
	Coordinate with Yolo Transportation District to develop and implement a County-wide EV Shuttle Plan and apply for grant funding to purchase EV shuttles.	Community-wide Action & Adaptation	Plan	S
	Develop County facilities EV charging plans that maximize EV charging during solar peak hours.	Municipal Action	County Initiative	S
Install Electric Vehicle Charging Infrastructure	Install EV charging stations at non-residential public parking areas within the unincorporated County using findings from the forthcoming ZEV Action Plan, and Regional Electrify Yolo Project.	Community-wide Action	Infrastructure	Q
	Develop Pilot vehicle-grid integration applications at County facilities to maximize the benefits that daytime charging for plug-in electric vehicles (PEVs) can have on the grid, including demand response to reduce peak loads and energy storage during periods of renewable overproduction.	Community-wide Action	Plan	S
	Develop an incentive program to encourage building owners to install EV supply equipment.	Community-wide Action	Program	Q
	Adopt an ordinance to require CALGreen Tier 2 standards or similar EV charging requirements for EV receptacles and supply equipment for new residential and non-residential construction.	Community-wide Action	Ordinance	S
	Apply for State Grants to fund the installation of EV chargers within locations designated by the forthcoming County-wide ZEV Action Plan.	Community-wide Action	Grant	S
Encourage Transition to Electric Vehicles	Coordinate with School Districts and Transit Agencies in development of the County-wide ZEV Action Plan.	Community-wide Action	Plan	S
	Develop a Low-Cost Neighborhood EV Sharing Program for integrating a suite of low-speed, zero emission vehicles for micro-mobility within a defined area. The program should be prioritized in low and very low income neighborhoods in order to provide better EV equity within the Unincorporated County area. EV chargers for this program should be considered and prioritized in the forthcoming Countywide ZEV Action Plan. Libraries and/or existing bus stops can serve as hubs. Critical populations such as those in Madison/Esparto and Knights Landing should be prioritized.	Community-wide Action	Program	Q
	Develop and implement a County-wide Education Program that educates residents and businesses on the advantage of ZEVs.	Community-wide Action	Program	S
	Develop an ordinance to require Transport Refrigeration Units (TRUs) and auxiliary power units (APUs) to utilize electric plug-in units at loading docks if capable.	Community-wide Action	Ordinance	Q
	Develop EV truck incentive pilot program for large-scale mining and gravel operations within the County.	Community-wide Action	Program	S
Encourage Transition to Other Zero Emissions Vehicle Technologies	Research and develop program to support the transition to hydrogen fuel for medium and heavy duty vehicles.	Community-wide Action	Research Program	S

Strategy 2 Reduce Vehicle Miles Traveled
 Sectors: On-Road Transportation

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
Reduce Single-Occupancy Vehicle Trips	Coordinate with Yolo Transportation District and Yolo Commute to develop and implement a farmworker commute reduction program that includes evaluation of best practices to coordinate and/or encourage farmworker shuttles to transport farmworkers to and from the fields and farms where they work.	Community-wide Action	Program	S
	Coordinate with the Yolo Transportation District to implement the Yolo Active Transportation Corridors Plan (YATC) and ensure the plan provides feasible and reasonable bicycle and pedestrian infrastructure solutions for the County's Unincorporated Area. Focus on adding bike lanes in populated areas within the County or rural areas that are adjacent to existing communities that connect people to destinations. Pedestrian network improvements would be prioritized in key areas in need of sidewalks based on past pedestrian accidents and safety, as well as developing safe routes to schools within residential neighborhoods (acknowledging that sidewalks are the responsibility of the landowner once installed).	Community-wide Action	Plan	S
	Develop and implement a carpool/vanpool program for County staff which shall include incentives for staff who participate. Consider adoption of an Ordinance requiring employers that employ 200 or more employees to include an employer-sponsored vanpool program for relevant/applicable community hubs. Coordinate with YoloCommute to provide additional funding to incentivize vanpooling for employers across the County.	Municipal and Community-wide Action	Program and Potential Ordinance	S
	Coordinate with Yolo Commute to use County facilities (community centers, libraries, or other logical facilities) to provide a place for residents to go and receive electric bike (E-bike) subsidies. Also use County facilities for E-bike safety training sessions. Coordinate with the California Department of Transportation (Caltrans) and Health and Human Services Agency (HHS) to ensure educational materials for E-bike safety (e.g., bike helmet use) are provided community-wide to increase E-bike usage while emphasizing safety.	Community-wide Action	Subsidy	S
Encourage Transit-Oriented Development (TOD) and Infill Development	Review locations of high quality transit centers and adjacent TOD within the municipalities and coordinate with the municipalities to develop better connectivity through bike and pedestrian paths, bus routes, etc. within the unincorporated County to the transit centers and TOD.	Community-wide Action	Research	S
	Adopt an ordinance that will require TOD development to join Yolo Commute as condition of approval.	Community-wide Action	Ordinance	S
	If another round of funding is approved, apply to the Regional Early Action Planning Grants (REAP) program to explore options to accelerate Infill Development that facilitates Housing supply, choice, and affordability, and realizes multimodal communities.	Community-wide Action	Grant	S
	Investigate feasibility of the Housing Relocation-Subsidy Program (HRSP).	Community-wide Action	Research	S

Strategy 3 Decarbonize Energy and Buildings and Increase Energy Efficiency

Sectors: Energy and Buildings

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
Increase Energy Efficiency in Buildings	Implement energy efficiency retrofits across County facilities, including the installation of cool roofs, and replacement of all incandescent and florescent lighting with LED lighting.	Municipal Action	County Initiative	Q
	Incentivize residents and businesses to install cool roofs and green roofs by offering loans, grants, and/or rebates to property owners, and by providing educational materials about the costs and benefits of cool roofs and green roofs.	Community-wide Action	Program	Q
	Increase accessibility to home weatherization and energy assistance programs, focusing outreach efforts on low-income and non-English speaking households to ensure widespread access to these programs	Community-wide Action	Program	S
	Develop policies and incentive programs to implement energy efficiency retrofits for existing residential and commercial buildings, such as lighting upgrades, and replacing energy-intensive appliances and equipment with more efficient systems (such as Energy Star-rated equipment and equipment controllers). Continue to implement Property Assessed Clean Energy (PACE) program to promote energy efficiency retrofits.	Community-wide Action	Program	Q
	Expand the Electrification Retrofit Rebate Outreach Program (ERRO) to include a Low-Income Residential Energy Efficiency and Renewable Energy Retrofit Program. The program shall identify pre-1978 residential units owned or occupied by low and very-low income households within disadvantaged communities, provide energy audits and retrofit recommendations of the homes, provide financial assistance to avoid rent increases tied to electrification/efficiency retrofits, and provide assistance through grant funding to retrofit the home with PV solar and various energy efficiency upgrades including electrification of the home.	Community-wide Action	Program	Q
	Develop and distribute materials to assist renters with implementing energy efficiency improvements.	Community-wide Action and Adaptation	Education/Outreach	S
	Review community infrastructure investments and create a priority list of candidates for retrofits that implement nature-based climate solutions across existing community infrastructure, particularly pedestrian walkways, housing, schools, transportation, stormwater, and recreational spaces. Examples include, but are not limited to green schoolyards; community compost; community gardens; bioswales; urban farms; rain gardens; tree-shaded sidewalks and bike lanes; green roofs; bioretention ponds; etc.	Community-wide Action and Adaptation	Research	S
	Create an incentive program for secondary loop, transcritical CO2 and/or cascade supermarket systems in place of direct expansion systems, which use emission-heavy refrigerants with high Global Warming Potential (GWP). Replace conventional direct expansion systems in supermarkets with indirect systems such as secondary loop and cascade systems. As opposed to direct expansion systems, which circulate one refrigerant from the machinery room out to the store and back to the machinery room, indirect systems employ a primary and secondary refrigerant or heat transfer fluid.	Community-wide Action	Program	Q
	Research and develop an education and incentive program to encourage use and replacement of air conditioning units with lower GWP refrigerants.	Community-wide Action	Program	S
	Update the building code to require installation of more efficient alternatives to conventional furnaces or air conditioners in new developments, such as heat pumps and whole house fans.	Community-wide Action	Ordinance	Q
Decarbonize and Electrify Buildings	Require all natural gas appliances within County buildings be replaced with electric appliances including retrofitting the HVAC system to include heat pumps and/or combined heat and power systems (CHP).	Municipal Action	Ordinance	Q

	Create incentive programs to electrify all appliances and equipment in existing buildings such as rebates for building retrofits.	Community-wide Action	Program	Q
	Adopt an ordinance by 2027 that all new development (residential and non-residential) is required to install all-electric equipment or zero-GHG emission equipment.	Community-wide Action	Ordinance	Q
	Partner with agricultural organizations and Yolo Energy Watch to develop an outreach and incentives program to encourage farmers to improve pump efficiency with a goal of electrification of all agricultural pumps.	Community-wide Action	Program	Q
Increase Renewable Energy Generation and Storage	Install photovoltaic (PV) solar panels at County-owned facilities. Onsite renewable systems could include PV systems on rooftops of municipal buildings, on canopies in public parking lots, and over canals, etc.	Municipal Action	County Initiative	Q
	Secure funding to upgrade existing municipal building electrical infrastructure to support building electrification, battery storage integration, etc. Funding to be prioritized to facilities/projects as identified in the Inventory and Feasibility Study to Remove Fossil Fuels from County Operations.	Municipal Action	County Initiative	S
	Install battery storage systems at County owned facilities that include electric generation from onsite renewable power systems in order to expand the use of zero emission electricity during times when renewable energy is not being generated. Size the renewable generation and battery storage systems such that future electric demand is fully supplied by renewable energy.	Municipal Action	County Initiative	S
	Continue to require new residential and commercial development to install solar PV systems capable of providing a proportion of the development's total projected electricity consumption, and consider opportunities to amend code to go above and beyond existing regulation.	Community-wide Action	Program	Q
	Develop an outreach and incentive program to help facilitate adoption of enhanced solar PV system requirements. Incentives like direct subsidies for lower-income households should be considered.	Community-wide Action	Program	Q
	Facilitate the creation of community solar or wind projects (with storage to capture excess generation at off-peak demand hours) that residents and businesses can invest in or subscribe to. Create a feasibility program evaluating access to community solar project for County residents.	Community-wide Action	Program	Q
	Develop a publicly accessible community energy map that identifies opportunities for deploying distributed energy resources and microgrids to improve energy resiliency.	Community-wide Action	Research	S
	Partner with local utility to facilitate managed microgrids, which offer the opportunity to deploy more zero-emission electricity sources, thereby reducing GHG emissions. Create a feasibility program for battery-backed microgrids throughout Yolo County.	Municipal and Community-wide Action and Adaptation	Research	S
	Facilitate deployment of renewable energy production, distribution, and storage systems on privately owned land uses (e.g., permit streamlining, information sharing).	Community-wide Action	Ordinance	S
	Develop a farmer-to-farmer workshop program promoting opportunities for on-farm renewable energy generation facilities through demonstration projects, including use of agrivoltaics.	Community-wide Action	Education/Outreach	S
	Explore feasibility/grant funding to support a program that would waive county permit fees for projects that convert tailwater-return pumps to solar power.	Community-wide Action	Program	S
Procure Zero-Carbon Electricity	Transition all County facilities to Valley Clean Energy (VCE), the local Community Choice Aggregation (CCA) program, and select their 100% renewable and carbon-free "UltraGreen" option.	Municipal and Community-wide Action	County Initiative	Q
	Continue to facilitate residential participation in existing demand response program(s) created by local utilities (PG&E and VCE). Such programs could include time-based rates or time-of-use (TOU) pricing, critical peak pricing, or critical peak rebates, and should provide outreach materials that are accessible to all residents, including non-English speakers.	Community-wide Action	Education/Outreach	S

Create an education and outreach program to increase enrollment of County residents and businesses in the "UltraGreen" option offered by Valley Clean Energy (VCE), the local Community Choice Aggregation (CCA) program, and select their 100% renewable and carbon-free "UltraGreen" option.	Community-wide Action	Education/Outreach	S
Provide incentives to offset the extra cost to residents from opting into VCE's "UltraGreen" power option and a complement to outreach efforts increasing adoption of VCE's 100% renewable and carbon-free electricity portfolio option.	Community-wide Action	Program	Q

Strategy 4 Optimize Water Use

Sectors: Water

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
Conserve and Enhance Natural Water Sources	Acquire land and construct setback levees, which allow streams to return to a more natural flow regime, slow down overland flow, and enhance groundwater infiltration. Ensure flows in rivers and streams are sufficient to provide key ecological and climate-resilience functions.	Community-wide Adaptation	Infrastructure	S
	Collaborate with local groundwater agency to bring basin into sustainable conditions that avoid adverse effects of chronic overdrafting, including land subsidence, degradation of water quality, and groundwater depletion.	Community-wide Action and Adaptation	Program	Q
	Support local water districts and agencies with continued restoration of riparian corridors. Where practical, remove barriers, such as aging or obsolete dams and undersized culverts, to allow streams to function naturally and restore species' access to cooler water habitats. Reconnect aquatic habitat to help fish and wildlife endure drought and adapt to climate change.	Community-wide Adaptation	Program	S
	Collaborate with Tribal governments to preserve and restore natural waterways on ancestral lands.	Community-wide Adaptation	Program	S
	Support the County's Flood Control and Water Conservation District with water storage projects in the Capay Hills or Capay Valley. Assist with the creation of a technical report and scoping plan that includes an evaluation of any ecological impacts of large-scale storage.	Community-wide Adaptation	Infrastructure	S
	Evaluate existing water treatment facilities for opportunities to retrofit or augment with nature-based solutions such as constructed wetlands and treatment channels, which can store recycled and/or treated potable water, provide habitat for wildlife, and increase access to nature, educational opportunities, and recreation.	Community-wide Action and Adaptation	Research	S
	Continue to support Yolo County Flood Control and Water Conservation District's (YCFC&WCD) earthen canal recharge projects and trickle flow recharge projects in creeks and sloughs.	Community-wide Adaptation	Infrastructure	S
	Continue to support existing aquifer storage and recovery projects, and collaborate with the Yolo County Subbasin GSA and YCFC&WCD to identify additional opportunities to expand aquifer storage and recovery efforts throughout the County.	Community-wide Adaptation	Research	S
	Work with Yolo County Flood Control and Water Conservation District to build additional regulating reservoirs in YCFC&WCD's service area.	Community-wide Adaptation	Program	S
Encourage Efficient Water Use in Agricultural Operations	Partner with local farmers to implement groundwater recharge projects by flooding disused fields.	Community-wide Adaptation	Education/Outreach	S
	Increase managed groundwater recharge on working croplands that capture rain and storm runoff and redirect water during periods of extended high flows, allowing water to enter aquifers in a manner that does not exacerbate water quality issues and ensures diversions are protective of native fish and wildlife.	Community-wide Adaptation	Program	S
	Work with UC Extension, the Flood Control Water Conservation District, Reclamation Districts, water districts, and farming organizations to develop an outreach program that encourages farmers to adopt alternative irrigation techniques such as alternative-furrow, drip, and deficit irrigation.	Community-wide Action and Adaptation	Education/Outreach	S
Promote Greywater, Recycled Water, and Stormwater Capture	Require dual waste piping to be installed in new residential developments to allow for future graywater irrigation systems by creating or amending existing greywater Code for new development.	Community-wide Action	Ordinance	S
	Assess opportunities to increase the installation of greywater and rainwater catchment systems, particularly in new buildings.	Community-wide Action	Research	S
	Require large new developments to dedicate a proportion of landscape square footage to bioswales, permeable pavements, rain gardens, or other passive stormwater retention management strategies by updating relevant subsections of the County Code (e.g., Sec. 8-4.503(d)).	Community-wide Action and Adaptation	Ordinance	S
	Identify sites for additional check dams on the western slopes of the County to increase small-scale storage of precipitation and runoff, and work with relevant agencies and/or local landowners to construct them.	Community-wide Adaptation	Research	S
	Develop a recycled water infrastructure plan that should include an assessment of opportunities to increase water-reuse and recycled water use in urban green spaces, the use of non-potable water for outdoor uses, and the expansion of recycled water systems as feasible. Current projects utilizing recycled water throughout the County should be included as models for future projects.	Community-wide Action	Plan	S
	Review existing storm drains to determine the need for stormwater grates, oil/water separators, contaminant containment, and other mechanisms to clean stormwater flows prior to draining into natural waterways.	Community-wide Action and Adaptation	Research	S
Reduce Water Consumption	Coordinate with cities to install methane recovery in wastewater treatment plants.	Community-wide Action	Infrastructure	Q

Require a standard of no net increase in water demand for new buildings by revising the County Building Code.	Community-wide Action	Ordinance	Q
Require existing buildings be retrofitted with water efficient fixtures prior to resale, and partner with Yolo County water districts to promote voluntary water efficiency retrofits for existing buildings through technical assistance, free water efficiency audits, and rebate incentives.	Community-wide Action	Ordinance	Q
Allocate funding to incentive and outreach programs for water-efficient landscaping, weather-based irrigation systems, and drought tolerant yards, including actions such as native species planting and lawn removal.	Community-wide Action	Program	Q

Strategy 5 Minimize Waste
Sectors: Solid Waste

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
Reduce Landfill Waste	Coordinate with waste haulers to expand the types of materials accepted by recycling programs as economic conditions allow. Study options to expand existing and/identify new opportunities to manage hard to recycle materials in the unincorporated area through additional hauler services, drop-off locations and/or center for hard to recycle materials.	Municipal and Community-wide Action	Research	Q
	Continue a source-separated organics collection service at all County facilities.	Municipal and Community-wide Action	Program	Q
	Continue to implement 3-stream recycling (trash, recycling, and compost) at all County facilities.	Municipal and Community-wide Action	Program	Q
	Promote the use of reusable items by individuals, such as reusable bags in place of plastic bags.	Community-wide Action	Education/Outreach	S
	Work with large grocers (based on CalRecycle's Tier 1 Generator definition) to develop outreach and incentive programs designed to promote the use of reusable bags over single-use plastic.	Municipal and Community-wide Action	Ordinance	Q
Increase Construction and Demolition Waste Diversion	Continue the diversion and recycling of construction and demolition waste.	Municipal and Community-wide Action	Program	Q
	Develop an Urban Wood Re-Use Program to require projects to source wood materials from urban re-use wood.	Municipal and Community-wide Action	Program	Q
	Amend procurement policy to prioritize rubberized asphalt using recycled tires collected at Landfill for County road improvement projects.	Municipal and Community-wide Action	Program	Q
Reduce Emissions from Waste Management	Coordinate and develop a Diversion Program for food waste that can not be used in food recovery programs to be used by feed lots and farmers for feeding livestock.	Community-wide Action	Program	Q
	Explore existing landfill gas collection and destructure systems at the Yolo County Central Landfill and consider alternatives that improve capture efficiency and emissions reductions.	Municipal and Community-wide Action	Infrastructure	Q
	Consider adoption of compliance program designed to ensure proper recovery/disposal of refrigerant emissions, in partnership with Environmental Health and the District Attorney's Office.	Municipal and Community-wide Action	Program	Q
	Secure funding to encourage residents and businesses to responsibly collect and dispose of waste and prevent illegal dumping/burning in the unincorporated area. Consider conducting additional "amnesty days," add incentives or promote the Adopt-a-Road program, and consider trash patrols.	Municipal and Community-wide Action	Grant	S
	Educate residents on proper waste sorting through school engagement and promotion of educational materials.	Municipal and Community-wide Action	Education/Outreach	S

Strategy 6 Reduce Offroad Equipment Emissions

Sectors: Offroad Equipment

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
Increase Electric and Zero Emission Offroad and Landscaping Equipment Adoption	Identify types of electric and zero emission offroad equipment that are commercially available (e.g., forklifts, loaders, welders, saws, pumps, fixed cranes, air compressors, sweepers, aerial lifts, pressure washers) and consider a phase-in of this type of equipment for County owned/operated equipment by 2030.	Municipal Action	County Initiative	Q
	Adopt an ordinance that would require industrial land uses such as warehouses, logistics, and distribution centers to phase out fossil fuel equipment and replace with electric equipment or zero GHG emissions equipment by 2030. The ordinance shall include safe handling, replacement, and disposal procedures for batteries used in electric offroad equipment.	Community-wide Action	Ordinance	Q
	Adopt an ordinance that would require industrial land uses such as warehouses, logistics, and distribution centers to phase out fossil fuel equipment and replace with electric equipment or zero GHG emissions equipment by 2030. The ordinance shall include safe handling, replacement, and disposal procedures for batteries used in electric offroad equipment.	Community-wide Action	Ordinance	Q
	Replace gas-powered landscape equipment with zero-emission landscaping equipment at County facilities and install charging facilities where needed. Establish safe handling, replacement, and disposal procedures for batteries used in electric landscape equipment. Equipment types historically powered by gasoline engines covered by this action include chainsaws, chippers, lawn mowers, leaf blowers/vacuums, riding mowers, tillers, and trimmers.	Municipal Action	County Initiative	Q
	Adopt an ordinance that would require phase out of gas-powered landscape equipment and replace with zero GHG emissions equipment by 2030. The ordinance development process shall evaluate means to minimize financial impacts on small landscaping business through funding opportunities. Equipment types historically powered by gasoline engines covered by this measure include chainsaws, chippers, lawn mowers, leaf blowers/vacuums, riding mowers, tillers, and trimmers.	Community-wide Action	Ordinance	S
	Develop and fund a yard equipment exchange program.	Community-wide Action	Program	S
	Update building codes for new and renovated buildings requiring permits to require outdoor outlets to facilitate use of electric yard equipment.	Community-wide Action	Ordinance	S
Decarbonize Agricultural Equipment	Coordinate with agricultural organizations to provide workshops/presentations and outreach materials focused on promoting fuel efficient farm equipment and operations and encourage participation in the CARB/YSAQMD Carl Moyer incentive program.	Community-wide Action	Education/Outreach	S
	Encourage the use of biofuels or low-carbon fuels in field equipment over fossil fuels by providing educational materials to the community regarding benefits and resources.	Community-wide Action	Education/Outreach	S

Strategy 7 Support Climate-Smart Agriculture

Sectors: Agriculture

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
Reduce Use of Chemical Inputs	Work with agricultural organizations and existing partnerships to develop and expand outreach programs to inform Yolo farmers about ways to reduce nitrogen fertilizer application with minimal effects on crop yield.	Community-wide Action	Education/Outreach	S
	Implement practices to improve nutrient management, including reduction or replacement of synthetic nitrogen fertilizer use. (NRCS CPS 590)	Community-wide Action	Program	Q
	Scale up the use of integrated pest management; advance safer, more sustainable pest management practices and provide tools to support the accelerated transition away from harmful pesticides.	Community-wide Action	Program	S
Support Agricultural Innovation that Promotes Resilience	Develop incentive programs that support the expanded use of crop varieties that are drought and heat tolerant, and require fewer nutrient inputs from synthetic fertilizers.	Community-wide Action	Program	S
	Facilitate planting, harvesting, and sustaining culturally and historically significant food crops by California Native American tribes.	Community-wide Action	Program	S
	Increase opportunities for prescribed and cultural burns. Increase voluntary cultural easements for cultural burns that reduce GHG emissions and ensure California Native American tribes have access to natural cultural resources and cultural landscapes.	Community-wide Action	Program	S
Reduce Methane Emissions	Incentivize irrigation water management (such as alternated wetting and drying [AWD]) on rice fields to control the volume, frequency, and application rate of irrigation water. (NRCS CPS 449)	Community-wide Action	Program	Q

Strategy 8 Sequester and Store Carbon in Natural and Working Lands

Sectors: N/A

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
NWL 1. Support Climate-Smart Practices in Working Lands	NWL1a. Carbon Credit Exchange. The County shall explore development of a Carbon Credit Exchange to create carbon credits within unincorporated Yolo County through implementation of Climate-Smart carbon sequestration practices on working lands. For the purposes of the County Carbon Credit Exchange, a carbon credit is defined as "verifiable sequestration of one metric ton of carbon dioxide equivalent not otherwise required by regulation." The County would administer the Carbon Credit Exchange and would pay farmers that implement Climate Smart sequestration practices on working lands. The County could (1) retire the carbon credits purchased to support progress in achieving the County carbon neutral target by 2030 (and carbon negative post-2030) or (2) sell carbon credits to eligible buyers. Carbon credits sold to eligible buyers would fund the exchange program and the purchase of carbon credits from Yolo County agricultural producers. Carbon credits sold could not be used towards achieving the County's carbon negative target. The County shall assess the feasibility of and, if deemed appropriate, develop a preliminary plan for creating the Carbon Credit Exchange. The plan shall identify challenges and opportunities and recommend next steps for establishing a transparent, accountable, and sustainable Carbon Credit Exchange program. The plan will also identify eligible and priority buyers, and the geographic scope of buyers. The pricing of Exchange carbon credits sold to outside entities would be set based on the program's administrative costs, the cost to farmers to implement Climate Smart practices, and the cost to pay back the County for offsets it purchased and retired to achieve the agriculture sector GHG reduction targets.	Community-wide Action	Program	S
	NWL 1b. Farmer Outreach and Education. Use existing networks and partnerships to expand knowledge of sustainable practices, and to develop and expand farmworker outreach and education programs.	Community-wide Action	Education/Outreach	S
	NWL 1c. Support Climate Smart Practices that support carbon sequestration on working lands and provide co-benefits such as enhanced soil health, improved soil moisture retention, and/or potential reduced fertilizer costs. Examples of such practices include the following USDA NRCS conservation practices: Conservation Crop Rotation (NRCS CPS 328) Cover Crops (NRCS CPS 340) Mulching (NRCS CPS 484) Nutrient Management (NRCS CPS 590) Soil Carbon Amendments (NRCS CPS 336) Residue and Tillage Management, Reduced Till (NRCS CPS 345) Residue and Tillage Management, No Till (NRCS CPS 329) Grassed Waterways (NRCS CPS 412) Filter Strips (NRCS CPS 393) Whole Orchard Recycling (NRCS CPS 336)	Community-wide Action	Program	Q
	NWL 1e. Support Practices to Sequester Carbon on Grazing and Pastureland. Examples include the following USDA NRCS conservation practices: Prescribed Burning (NRCS CPS 338) Prescribed Grazing (NRCS CPS 528) Range Planting (NRCS CPS 550) Herbaceous Weed Treatment (NRCS CPS 315)	Community-wide Action	Program	Q
	NWL 1f. Support implementation of Agroforestry Practices. Examples include the following USDA NRCS conservation practices: Alley Cropping (NRCS CPS 311) Windbreaks/Shelterbelt Establishment and Renovation (NRCS CPS 380) Silvopasture (NRCS CPS 381) Riparian Herbaceous Cover (NRCS CPS 390) Riparian Forest Buffer (NRCS CPS 391) Hedgerow Planting (NRCS CPS 422)	Community-wide Action	Program	Q
	NWL 2. Restore Natural Lands	NWL 2a. Restore Wetlands. Prioritize wetland restoration near communities most vulnerable to climate change and where climate smart land management can improve groundwater and water quantity, protect communities from flooding, and increase access to nature. Identify opportunities to reconstruct wetlands where possible, for example during construction projects in areas where these nature-based solutions could deliver climate and other beneficial outcomes to communities.	Community-wide Action	County Initiative
	NWL 2b. Restore Riparian Forests to enhance carbon storage, protect biodiversity and expand wildlife corridors and climate migration pathways for native species. Work with landowners to support restoration efforts on Putah and Cache Creeks and their tributaries, as well as the mainstream riparian and floodplains of the Sacramento River and Yolo Bypass. Reconnect aquatic habitat within forests to help fish and wildlife endure drought and adapt to climate change.	Community-wide Action	Program	Q

	NWL 2c. Support Rangeland Stewardship, including Grasslands, Woodlands, and Forests. Restore Rangeland in County public lands to improve carbon storage, biodiversity, and connectivity where feasible through grant proposals. Support noxious weed management through partnership with the Yolo County Weed Management Area and support of the Yolo County Fire Safe Council and Yolo Prescribed Burn Association.	Community-wide Action	County Initiative	Q
	NWL 2d. Repurpose Fallowed Cropland. Convert unused or idle agricultural land for alternative purposes. Some common practices for intentionally uncultivated land include soil restoration, reforestation, and wildlife habitat conservation.	Community-wide Action	Program	S
	NWL 2e. Support Native Hedgerow Development. Supporting the development of native hedgerows can include assisting in site selection, species selection, education and outreach, and information sharing.	Community-wide Action	Program	S
	NWL 2f. Hire a Yolo County Open Space Technician. Explore opportunities to hire a technician for restoration and enhancement work within the County's natural lands. The technician would be a permanent position to work in the field with Putah Creek Council, Tuleyome, RCD, Yolo Basin Foundation, Putah Trout, Solano County Water Agency, and others who staff or volunteer efforts on County park grounds. The position would also coordinate with government agencies for regulatory purposes and engage with the community for open space area activities that promote sustainability in the natural environment.	Community-wide Action	County Initiative	S
NWL 3. Enhance Stewardship in Natural Lands	NWL 3a. Implement Grassland Stewardship in County Public Lands. Grassland practices include: -Controlled grazing, including implementation of the County's grazing management plan(s) -Invasive species control and noxious weed management -Soil health and erosion control -Prescribed and cultural burning	Community-wide Action	County Initiative	S
	NWL 3b. Implement Forest and Woodland Stewardship in County Public Lands. Forest and woodland practices include: -Fire and fuel load vegetation management -Enhancement measures designed to benefit forest and woodland plant communities and wildlife -Invasive species removal	Community-wide Action	County Initiative	S
	NWL 3c. Implement Riparian and Wetland Stewardship in County Public Lands. Riparian and wetland practices include: -Enhancement measures designed to benefit riparian and wetland plant communities and wildlife -Invasive species removal -Bank stability and erosion control	Community-wide Action	County Initiative	S
	NWL 3d. Support Cache Creek Conservancy, Lower Putah Creek Coordinating Committee, Yolo RCD, Yocha Dehe Wintun Nation, and other entities in their projects and actions aimed at improving habitat in Yolo County	Community-wide Action	Program	S
NWL 4. Conserve Natural and Working Lands	NWL 4a. Protect Against Wetland Habitat Loss. Develop and enforce a wetland protection program, including designations for existing wetlands and identification of restoration opportunities.	Community-wide Action	Program	S
	NWL 4b. Protect Agricultural Lands from Development. > Continue to designate agricultural zones where land use is restricted or prioritized for agricultural use. Consider offering incentives to landowners who commit to keeping their land in agriculture, such as conservation easements and Williamson Act contracts. > Focus agricultural conservation efforts on soils that are most suited for intensive agriculture, rather than less high-quality soils. > Prioritize agricultural conservation and agricultural land acquisition in areas within 2 miles of urban growth of incorporated cities and the town of Esparto. > Develop program to support the acquisition of conservation easements in collaboration with other public and private entities. Conservation easements should focus on prime farmland in areas with highest pressure of development.	Community-wide Action	County Initiative	S
	NWL 4c. Support Identification of Willing Landowners. Provide incentives to landowners who commit to keeping their land in agriculture, such as conservation easements and Williamson Act contracts.	Community-wide Action	Program	S
	NWL 4d. Protect Intact Habitat from Conversion. Explore existing County policies and zoning regulations for opportunities to expand preservation of natural lands. Research and develop program to identify board-approved priority areas for acquisition, particularly those most susceptible to outward expansion. Ensure policies and regulations guide urban development toward infill areas and do not convert "greenfield" land to urban uses (e.g., green belts, conservation and wildlife easements).	Community-wide Action	Program	S
	NWL 4e. Prevent Wildlife Habitat Corridor Fragmentation. Develop and enforce a program to prevent wildlife habitat corridor fragmentation to maintain connectivity of land that connects large habitat patches to allow for the movement of wildlife.	Community-wide Action	Program	S

Strategy 9 Reduce Carbon Footprint of Consumption and Production

Sectors: N/A

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
Responsible Consumption Guidance	Develop a Responsible Consumption incentive program that explains the benefits of changing habits that are less carbon intensive including turning off appliances and lights that are not in use, organizing vehicle trips to get the most out of each trip and reduce miles, line-drying clothes over dryer use, eating more fruits, vegetables, and locally grown meat, and less processed foods and provides financial incentives (via partnerships with local businesses) for discounted products and other benefits.	Consumption-based Action	Plan	S
	Develop and implement an education program, including webpage, based on the Responsible Consumption incentive program. Educate businesses and contractors on less carbon intensive and energy efficient alternatives to offer to customers. Collaborate with the Yolo County Youth Commission to focus education on issues of particular interest such as fast-fashion waste or environmentally friendly beauty and health products.	Consumption-based Action	Program	S
	Collaborate with businesses like Home Depot, Lowes and others to expand the Responsible Consumption education program tailored to carbon reducing building materials at DIY classes given at these businesses.	Consumption-based Action	Education/Outreach	S
	Provide list of businesses in the unincorporated area of the County that are certified as a Green Business. These businesses provide the public services that are lower in carbon intensity because of the business practices associated with the Green Business certification.	Consumption-based Action	Program	S
Neighborhood Carpool Program	Encourage neighbors to set up a neighborhood carpool program to reduce personal vehicle miles traveled and provide more vehicle equity for families that do not own reliable transportation. Pilot programs could be developed at the Migrant Centers in Madison and Davis, as well as low-income housing in Winters. Explore additional partnerships with Yolo Commute to expand existing vanpool incentive programs.	Consumption-based Action	Program	S
	Determine the feasibility of County staff assisting in the organization of neighborhood carpool programs by developing a neighborhood carpool database and providing that information on the County website.	Consumption-based Action	Research	S
Personal Water Efficiency	Establish a rain barrel program that would educate the public on the proper use of rain barrels to collect rooftop rainwater and filter it before using it to irrigate family gardens. Coordinate with other rain barrel programs that would allow families to be given a rain barrel or purchase one at a discounted price.	Consumption-based Action	Program	S
	Revise codes and establish a residential gray water system ordinance that safely allows households to retrofit their clothes washer drains to a backyard graywater system for irrigation of gardens.	Consumption-based Action	Program	S
	Provide instructions on how to safely retrofit a clothes washer drain into a backyard gray water system that is compliant to the new residential gray water system ordinance.	Consumption-based Action	Education/Outreach	S
Carbon Neutral Travel	On the Responsible Consumption webpage, provide guidance on vacation alternatives that do not include air travel and include locations and hotels that are California certified as sustainable businesses and participate in green visitors programs.	Consumption-based Action	Education/Outreach	S
	Coordinate with other jurisdictions and visitors bureaus that have green visitor programs and highlight these programs on the webpage dedicated to vacation alternatives.	Consumption-based Action	Education/Outreach	S
Increase Consumption and Production of Local Agricultural Products	On the Responsible Consumption webpage provide guidance on local produce and food available and include dates, times, and locations of farmer's markets.	Consumption-based Action	Education/Outreach	S
	Expand local product marketing efforts, expand the number of businesses and agencies that use local food, and increase opportunities for the direct sale of local food	Consumption-based Action	Program	S

	Establish or expand year-round local farmer's markets to provide project residents with a more local source of food.	Consumption-based Action	Program	S
	Explore the potential to specifically identify "community gardens" as an allowable use within the County's zoning code. Explore opportunities to partner with the County's Public Health Team, the Center for Land Based Learning, and Yolo Farm to Fork to support community gardens as a tool for supporting locally-sourced and culturally-relevant food and local food sovereignty.	Consumption-based Action	Program	S
Require Environmentally Responsible Purchasing	Require projects to implement an environmentally responsible purchasing plan. Examples of environmentally responsible purchases include but are not limited to: purchasing products made from recycled materials or with sustainable packaging; purchasing post-consumer recycled paper, paper towels, and stationery; purchasing and stocking communal kitchens with reusable dishes and utensils; choosing sustainable cleaning supplies; purchasing products from restaurants, farms, or ranches that source materials or goods from locations that use soil conservation practices; and leasing equipment from manufacturers who will recycle the components at their end of life.	Consumption-based Action	Program	S

Strategy 10 Resilient Infrastructure and Healthy Communities

Sectors: N/A

Measure	Action	Measure/Action Type	Category	Quantitative (Q) or Supportive (S)
Create Resilience Centers	Develop a network of community resilience centers based in existing community hubs such as libraries, community centers, schools, non-profits and spaces of worship to support and coordinate resource distribution and services before, during, and after a hazardous event.	Municipal Adaptation	County Initiative	S
	Seek grant funding to retrofit existing community hubs with climate resilient improvements.	Municipal Adaptation	County Initiative	S
	Seek grant funding to support current Cooling Center program, develop checklist for centers, and transport plans for those most vulnerable and those with mobility issues.	Municipal Adaptation	County Initiative	S
	Explore architectural and engineering design requirements needed to expand hours of community centers on hot days that don't meet the extreme heat threshold.	Municipal Adaptation	County Initiative	S
Improve Equitable Distribution of Resources	Work with Yolo Bus and to make improvements to bus stations and stops including enhanced shade structures and water stations.	Municipal Adaptation	Infrastructure	S
	Partner with local CBO's to connect vulnerable residents to weatherization resources. Advertise weatherization programs in public spaces, such as the Library, Community Center, and Senior Center, Parks, and public events.	Municipal and Community-wide Adaptation	Program	S
	Support OES preparedness programs by partnering with local community groups, schools, and libraries to create disaster kits for families in low-income/disadvantaged communities.	Municipal and Community-wide Adaptation	Program	S
	Partner with Yolo Bus and other county-wide transport organizations in the private sector to meet the unique needs of residents who may be unable to self-evacuate in a hazard.	Municipal Adaptation	Program	S
	Partner with Citizen's advisory committee and other local community groups and centers to coordinate a Know Your Neighbor Program where community leaders and neighbors provide resources and check in on vulnerable populations during hazard events where people shelter at home.	Municipal and Community-wide Adaptation	Program	S
	Partner with local CBO's to connect residents to resilience funding mechanisms	Municipal and Community-wide Adaptation	Program	S
	Investigate the potential for the County to complete reliable broadband internet access across unincorporated County.	Community-wide Action	Research	
Improve Neighborhood Response	Coordinate with local CERT (fire), VIP (sheriff), Citizens Advisory Committees (CACs), and Resilience Center partners to build local capacity for response and recovery.	Municipal and Community-wide Adaptation	Program	S
	Build community awareness and engagement with CAAP strategies through participation in local events (e.g., the County Fair), using libraries and other County facilities as resource centers.	Municipal and Community-wide Adaptation	Program	S
	Develop arts programming around the CAAP, centered at the resilience hubs, in partnership with local organizations.	Municipal and Community-wide Adaptation	Program	S
Minimize Hazard Exposure	Incentivize and educate residents in CALFIRE wildfire severity zones on the adoption of fire smart construction, renovations and landscaping.	Municipal and Community-wide Adaptation	Program	S
	Pursue grant funding to install and maintain permeable pavement and bioswales in flood zones, areas with less than 50% permeable area, and on streets that flood regularly.	Municipal Adaptation	County Initiative	S
	Maintain Emergency Evacuation Routes. Ensure that street widths, paving, and grades can accommodate emergency vehicles.	Community-wide Action	Infrastructure	S
	Repair/upgrade Parklands culverts with fire resistant materials. Consider adding Reinforced Concrete Culvert Pipe (RCP) as a required culvert material in High Fire Severity Zones in the County Improvement Standards.	Municipal Adaptation	Infrastructure	S
	Develop a green streets program to support a sustainable approach to stormwater, drainage, groundwater recharge, and landscaping and incorporate green streets standards and guidelines in all streetscape improvements. Ensure program considers applicable soil types and requirements needed to ensure proper water infiltration.	Municipal Adaptation	Program	S
	Update critical facilities to increase climate resilience. Such facilities include those that provide emergency service and response in the areas of: health and medical; food, water, and shelter; communications; energy; transportation; and hazardous materials. Facilities that cater to large numbers should also be considered for updates, such as schools, theatres, and other public assemblies.	Municipal Adaptation	Infrastructure	S

	Adopt Climate Resilience Checklist for new build or renovated critical facilities. This checklist should evaluate if the project is within a hazard zone, how the asset would respond to damage during and after a hazard event, and equity considerations. This evaluation will support the development of adaptation measures to mitigate the identified risks.	Municipal Adaptation	Program	S
Minimize Workplace Hazard Exposure	Build relationships with farmworker organizations in order identify opportunities to decrease exposure to extreme heat and establish a farmworker advisory council to provide workers with a formal role in county government and access to decision makers county-wide	Municipal Adaptation	Program	S
	Require Cal/OSHA training on indoor and outdoor heat safety prior to the issuance of pesticide permits.	Community-wide Action	Program	S
	Develop a Farmworker Resource Program (through partnership with local organizations) focused on connecting farmworkers to rent and utility assistance, weatherization and resilience programs, hazard safety trainings and healthcare.	Municipal Adaptation	Program	S
	Coordinate with farmworker organizations to identify education opportunities and enforcement strategies to ensure Cal/OSHA standards on indoor and outdoor heat safety are met.	Municipal Adaptation	Program	S
	Conduct targeted enforcement of outdoor workplaces during periods of high heat to ensure compliance with established outdoor worker heat illness prevention regulations.	Municipal Adaptation	Program	S
Prioritize sustainable economic development	Develop green jobs program to provide employment opportunities for local youth and adults including job training in EV, electric equipment, building electrification, and other climate-related sectors.	Municipal Adaptation	Program	S
	Investigate and implement program for the County to maximize local financing for green technologies and businesses. Green technologies include energy-efficient and zero-emission vehicle fleets and off-road equipment, building electrification upgrades, low-flow fixtures in buildings, or energy-efficient stationary sources. Recipients of financing could include neighborhood developers, home and commercial space builders, homeowners, and utilities.	Municipal Adaptation	County Initiative	S
Prepare Vulnerable Communities	Coordinate with relevant agencies and organizations that provide homeless services in Yolo County to provide shelter during hazardous conditions and severe weather events.	Municipal Adaptation	Program	S
	Inform and Assist At-Risk Community Members including providing culturally relevant preparedness education and notification.	Municipal and Community-wide Adaptation	Program	S
	Partner Yolo County Office of Education, local schools, and fire districts to create age-appropriate preparedness classes, prioritizing schools in low-income/disadvantaged communities.	Municipal Adaptation	Program	S
	Partner with Citizen's advisory committee and other local community groups to educate vulnerable communities on disaster preparedness and climate hazards.	Municipal Adaptation	Program	S
	Continue to invest in existing programs that help to identify and reach vulnerable populations to assist first responders provide services and meet their needs during hazardous events. Utilize the findings of the AFN working group to identify and address service and outreach gaps. Partner with local community groups to gather feedback and share information.	Municipal Adaptation	County Initiative	S
	Identify opportunities and pursue grant funding to install touchless water refill stations at public facilities and parks. Create a small allocation of funds for Yolo County Parks to develop conceptual plans with architecture and engineering to make proposals more tangible.	Municipal Adaptation	Program	S
Reduce Urban Heat Island Effect	Amend the municipal code to address Urban Heat Island Effect (UHIE)	Municipal Adaptation	Ordinance	S
	Pursue grant funding to reduce UHIE by replacing dark pavement with cool pavement in residential areas.	Municipal Adaptation	Program	S
	Pursue grant funding to install cool pavements in place of dark pavements on County property.	Municipal Adaptation	County Initiative	S
	Pursue grant funding to replace roofs on County and service provider facilities with reflective materials that meet or exceed current code or green roofs.	Municipal Adaptation	County Initiative	S

Connect low-income homeowners with programs and grants to replace roofs with reflective materials that meet or exceed current code or green roofs.	Municipal and Community-wide Adaptation	Program	S
Support parks acquisition and conservation strategies to enable park climate and equity goals and establish greenbelts.	Municipal and Community-wide Adaptation	Infrastructure	S
Develop community canopy program to expand tree planting, prioritizing areas experiencing urban heat island effect.	Municipal and Community-wide Action	Program	S
Adopt and regularly update Development Improvement Standards with SRI guidelines for new roads.	Municipal Adaptation	Ordinance	S