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 – 2024.02.26 YCCAC Meeting Minutes

MEETING MINUTES
Yolo County Climate Action Commission
February 26, 2024 | 4:00 PM – 6:30 PM

COMMISSION MEMBERS:
Suzanne Reed, District 1 Appointee
Robin Datel, District 2 Appointee
Mark Aulman, District 3 Appointee
Andrew Truman Kim, District 4 Appointee (VICE-CHAIR) *(virtual)*
Adelita Serena, District 5 Appointee
Chris White, Technical Lead
NJ Mvondo, Environmental Justice Lead (CHAIR)
Bernadette Austin, Climate Scientist/Subject Matter Expert *(virtual)*
Pelayo Alvarez, Climate Scientist/Subject Matter Expert
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 *(represented by Oliver Snow)*

Commenced at 4:29 PM due to technical difficulties

1. Land Acknowledgement (*Attachment A) (NJ Mvondo)*

2. Approval of the Agenda
    - Consider approval of the agenda

    Decision: Approve
    Approved By / Seconded By: S. Reed/A. Serena
    Ayes: S. Reed, R. Datel, M. Aulman, A. Truman Kim, A. Serena, C. White, NJ Mvondo, B. Austin, P. Alvarez, M. Bennett, K. Britten
    Noes: None
    Abstain: None
    Absent: None

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 January 22, 2024 Commission Meeting Minutes (*Attachment B*)

    Decision: Approve
    Approved By / Seconded By: M. Aulman/K. Britten
    Ayes: S. Reed, R. Datel, M. Aulman, A. Truman Kim, A. Serena, C. White, NJ Mvondo, M. Bennett, K. Britten
    Noes: None
    Abstain: B. Austin, P. Alvarez
    Absent: None

5. Staff Announcements/Reports (Staff) (30 Minutes)
    - Updates to the Long Range Calendar for the upcoming months were shared.
    - An update was shared that the Youth CAAP Calendar Art Contest closed on February 16th and the submissions are currently undergoing evaluation. Winners will be invited to the March YCCAC Meeting and will be awarded with a prize and certificate.
        - An update was shared on the U.S. EPA Climate Pollution Reduction Grant (CPRG) Application. If selected as a grant recipient, Yolo County will assume the role as the lead entity of the project.
        - The grant application is due on April 1st and a response will be issued between September and November.

- An update was shared that the Regional Resilience Grant Program (RRGP) Grant for the Yolo Regional Resilience Collaborative had its first kickoff meeting in late January and has received the go ahead to start spending grant funds.
- An update on the Equipment Replacement Program was provided.
    - Four applications from Yolo-Solano County residents have been submitted for the Agricultural Equipment Replacement Program.
- The Sustainability Division shared that they are requesting proposals from consultants to work on the Inventory and Feasibility Study to Remove Fossil Fuels from County Operations.

Public Comment

- In reference to the Long-Range Calendar, it was asked if the February meeting with the Board of Supervisors had taken place yet.

6. Update on Technical Advisory Committees (TACs) (7 minutes)
    - An update on the discussions and progress made at the February Equity and Engagement (E&E) TAC Meeting was provided.
    - No updates were provided from the Natural and Working Lands (NWL) TAC.

Public Comment

- None

7. Receive Update on Natural and Working Lands Outreach Summary (*Attachment F*) (*K. Wraithwall*) (20 minutes)
    - The findings from the Natural and Working Lands Outreach Survey were shared and discussed.

Public Comment

- None

8. Consider and Approve Updated Emission Reduction and Adaptation Strategy, Measure, Action List (*Attachments G, H*) (*K. Wraithwall, J. Reed, M. Hendrix*) (60 minutes)
    - The updated Emission Reduction and Adaptation Strategy, Measure and Action List was shared and discussed.

Decision: Approve
Approved By / Seconded By: K. Britten/S. Reed
Ayes: S. Reed, R. Datel, A. Truman Kim, A. Serena, C. White, NJ Mvondo, M. Bennett, K. Britten
Noes: None
Abstain: None
Absent: M. Aulman, P. Alvarez, B. Austin

Public Comment

- A representative from Catholic Charity Yolo-Solano commented on the importance of CBOS and collaboration with school districts.
- A commenter provided a written comment which reads as follows:

  "Dear Yolo County Sustainability Staff, YCCAC Commissioners and Dudek Consultants.

  It makes me quite happy to see a draft of the Emission Reduction and Adaptation Strategy, Measure, Action List for the CAAP in the 2/24/26 agenda. A lot of good work.

  Below find my comments on that list (Item 8) for the 2/26/24 YCCAC meeting. I chose to write a letter as my comments are more than 2 minutes and rather specific. Having comments at the end of a discussion of a full list like this can mean ones specific comments come at the end rather than when the specific area is being discussed. I hope you will have my comments during the discussion of item 8 and specifically as relates to Procuring Clean Energy.

  My comments are divided into basic comments and specific suggestions for the Procuring Clean Energy section.

  Basic Comments

  1. Include monitoring on a yearly basis the emission reductions from increase in RPS percentage at VCE. VCE (Valley Clean Energy) serves unincorporated Yolo County as one of its four service areas (other three are Davis, Winters and Woodland) and as such serves most of the consumers in unincorporated Yolo County. At their July 2023 board meeting, VCEA set a goal of 100% RPS by 2030 (press, and mentioned at July YCCAC – pg 7), VCE is now in the range of 50% RPS., As they transition to 100% over the next 6 years – significant reductions in emissions will occur and these should be followed for unincorporated Yolo County . VCE is a JPA (Joint Powers Agreement) of unincorporated Yolo County, Davis, Winters and Woodland and their board of directors consists of 2 elected officials from each jurisdiction. So two Yolo BOS members are on the VCEA board.
  2. Acknowledge Clean Energy/Electricity is needed both for Buildings and Transportation While I understand the goal to keep the listed strategies to 10, it would in some senses make more sense to have Goal 3 – Decarbonize Energy and Buildings and Increase Energy Efficiency broken into two – one dealing with buildings and one dealing with electricity/energy. Goal 1, relating to transportation, also needs clean

electricity/energy. So putting the clean electricity/energy by itself makes that clearer. If you cannot split the categories, do be sure to indicate that the clean electricity/energy is needed broadly for our CAAP goals.

3. Need for regulatory/legislative lobbying to ensure goals in Increase Renewable Energy Generation and Storage section. Recent decisions by the CPUC have disincentivized solar for roof tops, apartments, businesses and farms. Many of the goals in this section need a friendly legislative/regulatory atmosphere to be successful. So consider just one general goal in here to address that.

Specific recommendations/suggestions to the Procuring Clean Energy Section. (changes/comments in red)

- 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. – Can you actually do this for facilities in PGE territory?
- 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. There are non-residential programs for this as well. VCE has a pilot program along these lines related to Ag, So my suggestion – just remove the residential,
- Monitor emission reductions that come from VCE transitioning to its 2030 goal of 100% RPS. This should be done yearly using the Power Content label values for RPS% and Carbon Intensity.,
- 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.
- 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. Focus this effort on low income consumers, especially CARE and FERA.

- A representative from Cool Davis commented on the importance of consistent and aligned messaging from the County/Cities to all Yolo County residents.

4. Commission Member Reports, Comments, Future Agenda Items

- Events to be Included in the Newsletter

Public Comment

- None

6. Adjournment
    - Meeting adjourned at 7:20 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 – March 21, 2024

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

Attachment D – 2024 Spring + Summer Outreach Sign-Up

2024 Spring + Summer Outreach Sign-Up

**This table is a working document and will be updated as more information becomes available*

Month	Event	Date/Time	Location	On-Point
April	Earth Day Celebration	04/20 9:00 AM - 3:00 PM	Central Landfill	Tess Vaccaro 916.642.5723
	Dia de los Ninos	04/26 3:00 PM - 6:00 PM	Ferns Park	Julia Olsen 916.350.0809 Tess Vaccaro 916.642.5723
	Northern Valley Indian Health Fair	TBD*	TBD*	Tess Vaccaro 916.642.5723
	Yolo County Library Branches - Dia de los Ninos	04/22-04/27	TBD* ~ various Yolo County Library Branches	Julia Olsen 916.350.0809
May	Senior Resource	05/17	West	Tess Vaccaro

	Fair	10:00 AM - 12:30 PM	Sacramento Community Center	916.642.5723
June	TBD*			
	TBD*			
July	Woodland Farmer's Market Health and Safety Fair	TBD*	TBD*	Julia Olsen 916.350.0809

Attachment E – Staff Report on Phasing of Approved CAAP Action List

STAFF REPORT

DATE: March 25th, 2023

TO: Yolo County Climate Action Commission

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

RE: Consider and Approve Phasing of CAAP Measure + Action List

RECOMMENDED ACTION

1. Consider and Approve Phasing of CAAP Measure + Action List

REASON FOR RECOMMENDED ACTION

With more than 180 individual Climate Action and Adaptation Plan (CAAP) actions across 39 measures and 10 strategies, it is critical to take a phased approach to implementation and identify actions for County staff and partners to undertake first. The DRAFT CAAP Action Phasing workbook (*Attachment G*) outlines the methodology and proposed Phase 1, 2, and 3 categorizations for each of the CAAP actions. Approving this list will enable the Dudek team to finalize emissions reduction scenarios, and for staff to receive direction on possible Phase 1 priorities to consider for implementation beginning this fall, pending public input on the DRAFT CAAP and Board adoption of the final plan.

The proposed action phasing was compiled by a team of 6 Dudek staff members across the climate action and adaptation teams based their professional experience and understanding of each proposed action, and in consideration of the qualitative input received to date from the Technical Advisory Committees (TACs), Commission, County Staff, Green Team, and the public. At this time, staff are looking for feedback on the overall methodology and phasing as opposed to feedback on the individual criterion scores for individual actions. For example:

- Does the number of actions in Phase 1, 2, and 3 feel appropriate?
- Are there any actions that are glaring omissions from Round 1 or 2 that warrant a scoring revision by the Dudek team and staff?

BACKGROUND

At the September 2023 Yolo County Climate Action Commission (Commission) meeting, the Commission received an update on the proposed CAAP Framework from the Dudek Team, which included the proposed phases and phasing criteria. This staff report and associated attachments expand on that information, and outline the scoring rubric, relative weight of the phasing criteria, and proposed number of phase 1, 2, and 3 actions. An update on each of these elements is provided below.

Phasing

Implementation of the CAAP will be organized into three main phases as outlined below.

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

Phasing Criteria

Actions can be phased based on a variety of criteria that assess suitability for achieving overall climate action, adaptation, equity, and Just Transition goals. Together with a defined scoring mechanism, the phasing scheme provides an intentional roadmap for CAAP implementation. Below are nine criteria identified as important considerations for phasing. Each action has been scored across the 9 criteria on a scale of 1 to 3 (*with higher scores corresponding with earlier phasing*). The definition of each category, the relative scoring weight of each category, and the criteria used to assign points is included below.

While all 180+ actions in the plan are important, it is simply not possible to address all actions in Phase 1. County staff need temporal direction to focus our efforts and enable us to tackle actions systematically. It is important to note that the weighting is based on the ambitious and accelerated emission reduction and adaptation goals for 2030. For this reason, Criteria 1: Greenhouse Gas Reduction Potential/Adaptation Value and Criteria 2: Foundational/Unlocking actions received the highest relative weighting. Weighting may shift slightly based on feedback and as we finalize emissions reduction scenarios, but it is critical that feedback is provided through the lens of what is reasonably achievable.

1. **Greenhouse Gas Reduction Potential/Adaptation Value:** The potential GHG emission reductions and/or carbon sequestration potential from each action or the value of the adaptation action.
   - Weighting: 32%
   - Scoring Criteria:
     1. Low (or not quantifiable)
     2. Medium
     3. High

2. **Foundational/Unlocking:** Actions that are necessary for the implementation of future actions.
   - Weighting: 26%
   - Scoring Criteria:
     1. Not critical
     2. Helpful, but not critical
     3. Critical

3. **Cost-Effectiveness:** High-level cost and savings to the County government, residents, and/or businesses with implementation of the action.
   - Weighting: 10%
   - Scoring Criteria:
     1. Low or none
     2. Medium
     3. High

4. **Funding Available:** Assesses whether adequate funding exists, and if barriers or challenges will prevent funding.
   - Weighting: 8%
   - Scoring Criteria:
     1. Unknown funding
     2. Funding available soon
     3. Funding available now

5. **Enhance Equity:** Considers if the action enhances equity for disadvantaged populations and provides for a fair distribution of benefits/services.
   - Weighting: 10%
   - Scoring Criteria:
     1. Counterproductive
     2. Neutral
     3. Positive

6. **Co-Benefits:** Benefits to the community from actions beyond the primary benefits of GHG emission reductions and climate resiliency (*e.g., improved air quality, energy independence*)
   - Weighting: 4%
   - Scoring Criteria:
     1. Low

2. Medium
3. High

7. **Community Interest:** Reflects if the community expressed interest in this action through outreach and engagement efforts.
   - Weighting: 3%
   - Scoring Criteria:
     1. Low
     2. Medium
     3. High

   Note: The relatively lower rating of Community Interest is because, given the nature of the process and the exceedingly high number of actions proposed, the public did not provide extensive feedback on every action. The Dudek team wanted to avoid having an assumed level of interest impact the phasing. That being said, of the top-10 priorities identified by the Community during the most recent round of CAAP workshops, 8 have been identified as Phase 1 priorities, and 2 have been identified as Phase 2 priorities.

8. **Technologically Feasible:** If technology to implement the action is available now, soon, or in the future.
   - Weighting: 4%
   - Scoring Criteria:
     1. Later (post-2030)
     2. Soon (between now and 2030)
     3. Now (2024)

9. **Local Governance & Control:** If the County has local control over the action or if it requires state or federal action or funding.
   - Weighting: 3%
   - Scoring Criteria:
     1. Need state/federal action
     2. Combination of local and state/federal
     3. Full local control

Phasing Breakdown by Points

Points have been assigned for each criterion based on the Dudek team's professional experience and understanding of each proposed action, and the qualitative input received to date from the Technical Advisory Committees (TACs), Commission, County Staff, Green Team, and the public. The above outlined point system is intentionally

straightforward and transparent to avoid nuance. While this phasing scheme has been used to evaluate each action in the County's CAAP, it is largely an internal exercise and will not be included in detail within the plan.

Note that the proposed approach outlined herein is subject to refinement pending additional progress and consideration of what is the most user-friendly format for the community and decision makers.

After being scored across the 9 phasing categories, each of the actions was sorted into phases based on their overall weighted score across the 9 criteria:

- **Phase 1 (2024-2027):** Weighted score greater than 2.49
- **Phase 2 2027-2030):** Weighted score between 2.0 and 2.49
- **Phase 3 (2030 and beyond):** Weighted score less than 2.0

The total number of actions in each phase in below:

- **Phase 1 (2024-2027):** 67
- **Phase 2 2027-2030):** 82
- **Phase 3 (2030 and beyond):** 35

Attachment F – *Presentation to be Shared at a Later Date*

Attachment G - CAAP Action Phasing Workbook

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

Strategies	Inventory Sector
1. Decarbonize Transportation	On-Road Transportation
2. Reduce Vehicle Miles Traveled	On-Road Transportation
3. Decarbonize Energy and Buildings and Increase Energy Efficiency	Energy Consumption
4. Optimize Water Use	Water and Wastewater
5. Minimize Waste	Solid Waste
6. Reduce Offroad Equipment Emissions	Off-Road Equipment
7. Encourage Sustainable Agriculture	Agriculture
8. Sequester and Store Carbon in Natural and Working Lands	None
9. Reduce Carbon Footprint of Consumption and Production	None
10. Build Resilient Infrastructure and Healthy Communities	None

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

Phasing Criteria

Phase Breakdown by Points

Phase 1	Greater than	2.49	2024-2027	*This is linked, please be careful.*
Phase 2	Between	2.0-2.49	2027-2030	
Phase 3	Less than	2.0	2030+	*This is linked, please be careful.*

Summary

Totals	**Combined Total**	1 DT	2 VMT	3 EB	4 W	5 SW	6 OFR	7 AG	8 CS	9 RCP	10 HC
Phase 1	**67**	10	2	13	5	4	0	3	7	2	21
Phase 2	**82**	6	3	13	11	2	9	4	9	4	21
Phase 3	**35**	2	3	3	6	7	1	0	4	9	0
	184	*18*	*8*	*29*	*22*	*13*	*10*	*7*	*20*	*15*	*42*

Action Ranking Guide

Points	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**
1	Low (or not quantifiable)	Not critical	Low or none	Unknown funding	Counterproductive	Low	Low	Later (post 2030)	Need state/federal action
2	Medium	Helpful but not critical	Medium	Funding available soon	Neutral	Medium	Medium	Soon (between now and 2030)	Combination of local and state/federal
3	High	Critical	High	Funding available now	Good	High	High	Now (2024)	Full local control

Strategy 1 Decarbonize Transportation
Sectors: On-Road Transportation

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	Action	Criteria 1 Greenhouse Gas Reduction Potential/ Adaptation Value	Criteria 2 Foundational/Unlocking	Criteria 3 Cost-Effectiveness	Criteria 4 Funding Available	Criteria 5 Enhance Equity	Criteria 6 Co-Benefits	Criteria 7 Community Interest	Criteria 8 Technologically Feasible	Criteria 9 Local Governance & Control	Total	Phase
Electrify County Fleet	Install EV charging stations at County facilities to facilitate the use of County owned EVs	3	3	3	2	3	3	1	3	3	**2.86**	Phase 1
	Replace County light-duty gasoline and diesel-fueled vehicles with EVs.	3	2	3	2	2	3	2	3	3	**2.53**	Phase 1
	Provide an internal County Education Program focused on the advantages of EVs per the forthcoming ZEV Action Plan, highlighting the transition implications within the new fleet policy.	1	2	3	2	3	3	3	3	3	**2.02**	Phase 2
	Coordinate with Yolo Transportation District to develop and implement a County-wide EV Shuttle Plan and apply for grant funding to purchase EV shuttles.	3	2	2	2	3	3	2	3	3	**2.53**	Phase 1
	Develop County facilities EV charging plans that maximize EV charging during solar peak hours.	1	3	3	3	2	3	2	3	3	**2.23**	Phase 2
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.	3	3	3	2	3	3	1	3	3	**2.86**	Phase 1
	Develop Pilot vehicle-grid integration applications at County facilities to maximize the benefits that daytime charging for plug-in EVs can have on the grid, including demand response to reduce peak loads and energy storage during periods of	2	3	3	2	2	3	2	3	3	**2.47**	Phase 2
	Develop an incentive program to encourage building owners to install EV supply equipment.	3	3	3	2	3	3	1	3	3	**2.86**	Phase 1
	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.	3	3	3	3	2	3	2	3	3	**2.87**	Phase 1
	Apply for State Grants to fund the installation of EV chargers within locations designated by the forthcoming County-wide ZEV Action Plan.	3	3	3	3	2	3	3	3	3	**2.9**	Phase 1

Encourage Transition to Electric Vehicles	Coordinate with School Districts and Transit Agencies in development of the County-wide ZEV Action Plan.	2	3	3	2	3	3	3	2	2	**2.53**	Phase 1
	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.	3	2	1	2	3	3	3	3	2	**2.43**	Phase 2
	Develop and implement a County-wide Education Program that educates residents and businesses on the advantage of EVs.	1	2	3	3	3	3	3	3	3	**2.1**	Phase 2
	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.	3	3	1	3	2	3	2	3	3	**2.67**	Phase 1
	Develop EV truck incentive pilot program for large-scale mining and gravel operations within the County.	2	2	2	2	2	1	1	1	3	**1.92**	Phase 3
	Update the zoning code to specify that subdivided land that is used to build a EV fuel station that offers 100% renewable, carbon-neutral, or carbon-negative fuel is not required to have a building.	2	3	3	3	2	2	2	3	3	**2.51**	Phase 1
	Update the zoning code to exempt up to two EV charging stations from non-conforming use requirements and/or conditional use permits when added to an existing business or property when it doesn't require additional non-conforming construction.	2	2	3	3	2	3	2	3	3	**2.29**	Phase 2
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.	1	2	1	2	2	1	1	1	3	**1.5**	Phase 3

Phase 1	10
Phase 2	6
Phase 3	2

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

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	**Action**	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**	**Total**	**Phase**
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.	2	2	2	2	3	3	3	3	3	**2.24**	Phase 2
	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 (including secure bike storage) 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 sidewas are the responsibility of the landowner once installed).	2	3	3	2	3	3	3	3	3	**2.6**	Phase 1
	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.	2	1	2	3	3	2	1	3	3	**1.96**	Phase 3
	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 (HHSA) 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.	2	3	3	3	2	3	3	3	2	**2.55**	Phase 1
Encourage Transit-Oriented 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.	1	2	2	3	3	3	3	3	3	**2**	Phase 2
	Adopt an ordinance that will require TOD development to join Yolo Commute as condition of approval.	1	2	3	2	2	3	3	3	3	**1.92**	Phase 3
	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.	1	2	2	2	3	3	3	3	2	**1.89**	Phase 3
	Investigate feasibility of the Housing Relocation-Subsidy Program (HRSP).	1	2	3	2	3	3	3	3	3	**2.02**	Phase 2

Phase 1	2
Phase 2	3
Phase 3	3

Strategy 3 Decarbonize Energy and Buildings and Increase Energy Efficiency
Sectors: Energy and Buildings

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	**Action**	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**	**Total**	**Phase**
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.	2	3	3	3	2	3	2	3	3	**2.55**	Phase 1
	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.	2	2	3	2	3	3	3	3	3	**2.34**	Phase 2
	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	3	3	3	3	3	3	3	3	3	**3**	Phase 1
	Develop policies and incentive programs to implement energy efficiency retrofits for existing residential, commercial, and industrial 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.	3	3	2	3	3	3	1	3	2	**2.81**	Phase 1
	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.	1	2	3	3	3	2	2	3	3	**2.03**	Phase 2
	Develop and distribute materials to assist renters with implementing energy efficiency improvements.	3	2	3	2	3	3	3	3	3	**2.66**	Phase 1

	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.	2	3	3	3	3	3	3	3	3	**2.68**	Phase 1
	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.	3	3	3	3	2	2	1	3	3	**2.8**	Phase 1
	Research and develop an education and incentive program to encourage use and replacement of air conditioning units with lower GWP refrigerants.	1	2	2	2	2	2	2	3	3	**1.75**	Phase 3
	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.	3	3	2	3	2	2	2	3	3	**2.73**	Phase 1
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).	3	3	2	2	2	3	2	3	3	**2.69**	Phase 1
	Create incentive programs to electrify all appliances and equipment in ex	3	3	2	3	3	3	1	3	2	**2.81**	Phase 1
	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.	3	3	3	1	2	3	1	3	3	**2.68**	Phase 1
	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.	1	2	3	2	2	1	2	3	3	**1.81**	Phase 3
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.	2	3	2	3	2	3	3	3	3	**2.48**	Phase 2
	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.	3	3	2	2	2	3	2	3	1	**2.63**	Phase 1
	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.	2	3	3	3	2	1	2	3	3	**2.47**	Phase 2

	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	3	2	3	2	2	3	2	3	2	**2.5**	Phase 1
	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.	1	3	3	2	3	3	2	3	3	**2.25**	Phase 2
	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.	1	3	2	3	3	3	3	3	3	**2.26**	Phase 2
	Develop a publicly accessible community energy map that identifies opportunities for deploying distributed energy resources and microgrids to improve energy resiliency.	1	2	3	3	2	3	3	3	3	**2**	Phase 2
	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.	2	3	2	1	2	3	2	3	3	**2.29**	Phase 2
	Facilitate deployment of renewable energy production, distribution, and storage systems on privately owned land uses (e.g., permit streamlining, information sharing).	2	3	2	3	2	3	1	3	3	**2.42**	Phase 2
	Develop a farmer-to-farmer workshop program promoting opportunities for on-farm renewable energy generation facilities through demonstration projects, including use of agrivoltaics.	2	2	2	2	3	3	3	3	3	**2.24**	Phase 2
	Explore feasibility/grant funding to support a program that would waive county permit fees for projects that convert tailwater-return pumps to solar power.	2	2	2	3	2	1	3	3	3	**2.14**	Phase 2
Procure Zero-Carbon Electricity	Enroll all Yolo County municipal electric accounts not covered by existing County solar/renewable projects into Ultra Green via Valley Clean Energy (VCE) or the similar Pacific Gas & Electric Company program.	3	2	3	3	2	3	2	3	3	**2.61**	Phase 1
	Continue to facilitate 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.	1	2	3	2	2	3	1	3	3	**1.86**	Phase 3
	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.	2	2	3	2	2	2	2	3	3	**2.17**	Phase 2
	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. Focus this effort on low income consumers, especially CARE and FERA.	2	2	3	2	3	2	2	3	3	**2.27**	Phase 2

Phase 1	13
Phase 2	13
Phase 3	3

Strategy 4 Optimize Water Use
Sectors: Water

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	**Action**	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**	**Total**	**Phase**
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.	3	2	2	2	2	3	2	3	2	**2.4**	Phase 2
	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.	3	3	2	3	2	3	2	3	2	**2.74**	Phase 1
	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.	3	3	3	3	2	3	3	3	2	**2.87**	Phase 1
	Collaborate with Tribal governments to preserve and restore natural waterways on ancestral lands.	2	3	2	3	3	3	2	3	1	**2.49**	Phase 1
	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.	1	1	3	3	2	2	2	3	1	**1.61**	Phase 3
	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.	2	3	1	3	2	3	2	3	2	**2.32**	Phase 2
	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.	2	2	2	2	2	3	2	3	1	**2.05**	Phase 2
	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.	3	2	3	2	2	3	2	3	1	**2.47**	Phase 2
	Work with Yolo County Flood Control and Water Conservation District to build additional regulating reservoirs in YCFC&WCD's service area.	1	1	2	2	2	2	2	2	1	**1.39**	Phase 3
Encourage Efficient Water Use in Agricultural Operations	Partner with local farmers to implement groundwater recharge projects by flooding disused fields.	2	2	3	2	2	3	2	3	3	**2.21**	Phase 2
	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.	3	2	3	2	2	3	2	3	3	**2.53**	Phase 1
	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.	1	2	3	3	3	3	3	3	2	**2.07**	Phase 2
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.	1	2	3	1	2	2	1	3	2	**1.71**	Phase 3
	Assess opportunities to increase the installation of greywater and rainwater catchment systems, particularly in new buildings.	2	2	3	1	2	3	2	3	3	**2.13**	Phase 2
	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)).	1	3	3	2	2	3	3	3	3	**2.18**	Phase 2
	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.	1	2	2	2	2	1	2	3	2	**1.68**	Phase 3
	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.	3	3	2	3	2	3	3	3	3	**2.8**	Phase 1

	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.	1	1	2	2	2	2	3	3	3	**1.52**	Phase 3
Reduce Water Consumption	Coordinate with cities to install methane recovery in wastewater treatment plants.	2	3	2	3	2	1	2	3	3	**2.37**	Phase 2
	Require a standard of no net increase in water demand for new buildings by revising the County Building Code.	1	2	3	3	2	2	2	3	3	**1.93**	Phase 3
	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.	1	2	3	3	3	2	2	3	3	**2.03**	Phase 2
	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.	1	2	3	3	3	3	3	3	3	**2.1**	Phase 2

Phase 1	5
Phase 2	11
Phase 3	6

Strategy 5 Minimize Waste
Sectors: Solid Waste

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	**Action**	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**	**Total**	**Phase**
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.	1	3	2	2	2	3	3	3	3	**2.08**	Phase 2
	Continue a source-separated organics collection service at all County facilities.	3	3	1	3	2	2	2	3	3	**2.63**	Phase 1
	Continue to implement 3-stream recycling (trash, recycling, and compost) at all County facilities.	3	2	3	3	2	3	1	3	3	**2.58**	Phase 1
	Promote the use of reusable items by individuals, such as reusable bags in place of plastic bags.	1	1	3	2	2	1	3	3	2	**1.55**	Phase 3
	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.	1	1	2	2	2	2	2	3	3	**1.49**	Phase 3
Increase Construction and Demolition Waste Diversion	Continue the diversion and recycling of construction and demolition waste.	1	2	1	2	2	2	2	3	3	**1.65**	Phase 3
	Develop an Urban Wood Re-Use Program to require projects to source wood materials from urban re-use wood.	1	3	1	3	2	2	2	3	3	**1.99**	Phase 3
	Amend procurement policy to prioritize rubberized asphalt using recycled tires collected at Landfill for County road improvement projects.	1	2	1	1	2	2	2	2	3	**1.53**	Phase 3
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.	2	3	3	3	3	3	3	3	2	**2.65**	Phase 1
	Explore existing landfill gas collection and destructure systems at the Yolo County Central Landfill and consider alternatives that improve capture efficiency and emissions reductions.	2	3	3	3	2	2	2	3	3	**2.51**	Phase 1
	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.	2	2	2	2	2	2	2	3	3	**2.07**	Phase 2
	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.	1	1	2	2	3	3	3	3	3	**1.66**	Phase 3

	Educate residents on proper waste sorting through school engagement and promotion of educational materials.	1	2	3	2	2	3	3	3	3	**1.92**	Phase 3

Phase 1	4
Phase 2	2
Phase 3	7

Strategy 6 Reduce Offroad Equipment Emissions
Sectors: Offroad Equipment

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	**Action**	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**	**Total**	**Phase**
Increase Electric and Zero Emission Offroad and Landscaping Equipment Adoption	Identify types of electric and zero emission off-road equipment that are commercially available (e.g., forklifts, loaders, welders, saws, pumps, fixed cranes, air compressors, sweepers, aerial lifts, pressure washers) and develop a plan and funding strategy to transition County owned/operated equipment by 2030.	2	2	3	2	1	2	1	3	3	**2.04**	Phase 2
	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.	3	2	3	2	1	2	1	3	3	**2.36**	Phase 2
	Adopt an ordinance requiring use of only electric or zero-emission offroad equipment where commercially available for all new development.	2	2	3	3	3	3	2	2	3	**2.35**	Phase 2
	Replace gas-powered landscape equipment with zero-emission landscaping equipment at County facilities and install charging facilities where needed. Equipment types historically powered by gasoline engines covered by this action include chainsaws, chippers, lawn mowers, leaf blowers/vacuums, riding mowers, tillers, and trimmers.	2	2	3	3	2	1	1	3	3	**2.18**	Phase 2
	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	2	2	3	3	2	1	1	3	3	**2.18**	Phase 2
	Develop and fund a yard equipment exchange program to exhange gasoline- or diesel-powered commercial lawn and garden equipment for zero emission, battery electric commercial-grade equipment for operation within unincorporated Yolo County.	2	2	3	3	3	1	2	3	3	**2.31**	Phase 2
	Update building codes for new and renovated buildings requiring permits to require outdoor outlets to facilitate use of electric yard equipment.	1	3	3	1	2	2	1	3	3	**2**	Phase 2
	Establish safe handling, replacement, and disposal procedures for batteries used in electric equipment and incorporate in all related programs and ordinances.	1	2	3	3	3	3	3	3	3	**2**	Phase 2
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.	1	3	3	3	3	2	2	3	3	**2.29**	Phase 2
	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.	2	1	2	3	2	1	2	3	3	**1.85**	Phase 3

Phase 1	0
Phase 2	9
Phase 3	1

Strategy 7 Support Climate-Smart Agriculture

Sectors: Agriculture

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	**Action**	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**	**Total**	**Phase**
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.	3	2	3	2	3	3	3	3	3	**2.66**	Phase 1
	Implement practices to improve nutrient management, including reduction or replacement of synthetic nitrogen fertilizer use. (NRCS CPS 590)	3	3	2	2	3	3	1	3	3	**2.76**	Phase 1
	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.	2	2	3	2	3	3	2	3	3	**2.31**	Phase 2
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.	2	3	2	1	2	3	1	3	3	**2.26**	Phase 2
	Facilitate planting, harvesting, and sustaining culturally and historically significant food crops.	2	2	2	3	3	3	3	3	1	**2.26**	Phase 2
	Increase opportunities for prescribed burns that reduce wildfire GHG emissions. Increase voluntary cultural easements for cultural burns and support the use of cultural burns to ensure California Native American tribes have access to cultural resources and cultural landscapes.	2	2	3	2	3	3	3	3	2	**2.31**	Phase 2
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)	3	2	3	2	2	2	2	3	3	**2.49**	Phase 1

Phase 1	3
Phase 2	4
Phase 3	0

Strategy 8 Sequester and Store Carbon in Natural and Working Lands
Sectors: N/A

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	**Action**	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**	**Total**	**Phase**
NWL 1. Encourage 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.	3	3	3	2	2	3	2	3	3	**2.79**	Phase 1
	NWL 1b. Farmer Outreach and Education. Use existing networks and partnerships, as well as build new ones with a diversity of regional academic institutions, centers, environmental organizations, and non-conventional agricultural sustainability and conservation groups, to expand knowledge of sustainable practices, and to develop and expand farmworker outreach and education programs.	1	3	2	1	3	3	2	3	3	**2.07**	Phase 2
	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 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)	3	3	2	2	2	3	2	3	3	**2.69**	Phase 1
	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)	3	2	3	2	2	3	2	3	3	**2.53**	Phase 1
	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)	3	2	3	2	2	3	3	3	3	**2.56**	Phase 1

NWL 2. Retore 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.	3	2	2	2	3	3	3	3	3	**2.56**	Phase 1
	NWL 2b. Restore Riparian Forests and other ecosystems where appropriate 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.	2	2	2	2	3	3	3	3	3	**2.24**	Phase 2
	NWL 2c. Restore Grasslands in County public lands to improve carbon storage, biodiversity, and connectivity where feasible through grant proposals.	2	2	3	3	2	3	2	3	3	**2.29**	Phase 2
	NWL 2d. Repurpose Fallowed Cropland. Convert unused or idle agricultural land for alternative purposes. Some common practices for intentionally uncultivated land include reforestation, and wildlife habitat conservation.	1	3	2	2	2	3	2	3	3	**2.05**	Phase 2
	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.	1	2	2	2	2	3	3	3	3	**1.82**	Phase 3
	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.	2	3	3	2	2	3	3	3	3	**2.5**	Phase 1
NWL 3. Promote 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	3	3	3	3	2	3	1	3	3	**2.84**	Phase 1
	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	2	2	2	3	2	3	3	3	3	**2.22**	Phase 2
	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	2	2	2	2	2	3	2	3	3	**2.11**	Phase 2
	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	1	3	3	2	3	3	2	3	2	**2.22**	Phase 2
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.	2	3	2	1	2	3	2	3	2	**2.26**	Phase 2

	NWL 4b. Protect Agricultural Lands from Development. > Continue to designate agricultural zones where land use is restricted or prioritized for agricultural use. > 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.	1	2	3	3	1	2	3	3	3	**1.86**	Phase 3
	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.	1	2	3	3	1	2	3	3	3	**1.86**	Phase 3
	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).	1	2	3	3	2	2	3	3	3	**1.96**	Phase 3
	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.	1	2	3	3	2	3	3	3	3	**2**	Phase 2

Phase 1	7
Phase 2	9
Phase 3	4

Strategy 9 Reduce Carbon Footprint of Consumption and Production
Sectors: N/A

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	**Action**	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**	**Total**	**Phase**
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; reduce single-use plastics and increase re-use and repair; 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.	3	3	3	3	3	3	3	3	3	**3**	Phase 1
	Develop and implement a Responsible Consumption education program and webpage that promotes the benefits of less carbon intensive practices including retain and repair instead of replace; off peak use and turning off appliances and lights not in use; organizing vehicle trips to get the most out of each trip and reduce miles travelled; line-drying clothes rather than using a dryer; eating more locally-grown fruits, vegetables, and meat, and fewer processed foods. In addition to summarizing green living practices and their benefits, the webpage will include links to sources of more detailed green and sustainable living information. Staff will also collaborate with the Yolo County Youth Commission to develop educational materials on issues of particular interest to youth such as fast-fashion waste or environmentally friendly beauty and health products, and provide businesses and contractors with information on less carbon intensive practices, products, and energy efficient alternatives and their benefits to offer their clients and customers.	3	3	3	1	3	3	3	3	3	**2.84**	Phase 1
	Collaborate with home repair-related businesses to expand the Responsible Consumption education program tailored to carbon reducing building materials at DIY classes given at these businesses.	1	2	3	2	2	3	2	3	3	**1.89**	Phase 3
	Maintain and provide a list of businesses in Yolo County that are certified as Green Businesses. These businesses provide the public low-carbon services and products, and engage in lower carbon intensity business practices. Seek partnerships with Chambers of Commerce to promote and educate members on green business practices and how to secure Green Business certification.	1	2	3	2	2	2	2	3	3	**1.85**	Phase 3
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.	1	2	3	2	3	2	3	3	3	**1.98**	Phase 3
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.	2	2	2	2	2	2	2	3	2	**2.04**	Phase 2
	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.	1	2	3	2	2	2	2	3	3	**1.85**	Phase 3
	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.	1	1	3	2	2	2	2	3	3	**1.59**	Phase 3

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.	1	1	3	2	2	2	2	3	3	**1.59**	Phase 3
	Coordinate with other jurisdictions and visitors bureaus that have green visitor programs and highlight these programs on the webpage dedicated to vacation alternatives.	1	1	3	2	2	2	2	3	2	**1.56**	Phase 3
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.	1	1	3	2	2	2	3	3	3	**1.62**	Phase 3
	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	2	2	2	3	3	3	3	3	3	**2.32**	Phase 2
	Establish or expand year-round local farmer's markets to provide project residents with a more local source of food.	2	2	3	3	3	3	3	3	3	**2.42**	Phase 2
	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.	2	2	3	3	3	3	3	3	3	**2.42**	Phase 2
Require Environmentally Responsible Purchasing	Require existing and future business operations 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.	1	2	3	3	2	3	3	3	2	**1.97**	Phase 3

Phase 1	2
Phase 2	4
Phase 3	9

Strategy 10 Resilient Infrastructure and Healthy Communities
Sectors: N/A

		32%	26%	10%	8%	10%	4%	3%	4%	3%		
Measure	**Action**	**Criteria 1 Greenhouse Gas Reduction Potential/Adaptation Value**	**Criteria 2 Foundational/Unlocking**	**Criteria 3 Cost-Effectiveness**	**Criteria 4 Funding Available**	**Criteria 5 Enhance Equity**	**Criteria 6 Co-Benefits**	**Criteria 7 Community Interest**	**Criteria 8 Technologically Feasible**	**Criteria 9 Local Governance & Control**	**Total**	**Phase**
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.	3	3	2	2	3	2	3	3	3	**2.78**	Phase 1
	Seek grant funding to retrofit existing community hubs with climate resilient improvements.	2	3	3	3	3	3	2	3	3	**2.65**	Phase 1
	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.	2	3	3	2	3	3	3	3	3	**2.6**	Phase 1
	Explore architectural and engineering design requirements needed to expand hours of community centers on hot days that don't meet the extreme heat threshold.	2	2	2	1	3	2	2	3	3	**2.09**	Phase 2
Improve Neighborhood Response	Coordinate with local CERT (fire), VIP (sheriff), Citizens Advisory Committees (CACs), Disaster Service Worker Volunteer Program and Resilience Center partners to build local capacity for response and recovery.	2	2	2	2	3	3	2	3	3	**2.21**	Phase 2
	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.	2	3	3	3	2	2	2	3	3	**2.51**	Phase 1
	Develop arts programming around the CAAP, centered at the resilience hubs, in partnership with local organizations.	2	2	2	2	2	2	2	3	3	**2.07**	Phase 2
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.	3	3	2	2	3	2	2	3	2	**2.72**	Phase 1
	Inform and Assist At-Risk Community Members including providing culturally relevant preparedness education and notification.	2	3	3	2	3	2	2	3	3	**2.53**	Phase 1
	Partner with Yolo County Office of Education, local schools, and fire districts, including school staff that facilitate outdoor education and sports to create age-appropriate preparedness classes, as well as identify long term strategies to safely conduct seasonal activities. A focus on low-income/disadvantaged communities will be identified in this effort.	2	2	2	2	3	3	2	3	2	**2.18**	Phase 2

	Partner with Citizen's advisory committee and other local community groups to educate vulnerable communities on disaster preparedness and climate hazards.	2	3	3	2	3	2	2	3	3	**2.53**	Phase 1
	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.	2	3	3	2	3	2	2	3	3	**2.53**	Phase 1
	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.	2	2	2	2	2	2	2	2	3	**2.03**	Phase 2
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.	3	2	2	1	3	3	3	3	3	**2.48**	Phase 2
	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.	2	3	2	2	3	3	3	3	2	**2.47**	Phase 2
	Support OES preparedness programs by partnering with local community groups, schools, and libraries to create disaster kits for families in low-income/disadvantaged communities.	2	2	2	1	3	2	2	3	2	**2.06**	Phase 2
	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.	2	2	2	1	3	2	2	3	3	**2.09**	Phase 2
	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.	2	2	2	2	3	2	2	3	2	**2.14**	Phase 2
	Partner with local CBO's to connect residents to resilience funding mechanisms	2	3	3	2	3	2	2	3	2	**2.5**	Phase 1
	Investigate the potential for the County to complete reliable broadband internet access across unincorporated County.	2	2	2	2	3	2	2	3	3	**2.17**	Phase 2
Minimize Hazard Exposure	Incentivize and educate residents in CALFIRE wildfire severity zones on the adoption of fire smart construction, renovations and landscaping.	2	2	3	2	2	2	2	3	2	**2.14**	Phase 2
	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.	3	2	3	2	2	3	2	3	2	**2.5**	Phase 1
	Maintain Emergency Evacuation Routes. Ensure that street widths, paving, and grades can accommodate emergency vehicles.	2	2	2	2	2	2	2	3	3	**2.07**	Phase 2
	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.	2	2	2	2	2	2	2	2	2	**2**	Phase 2

	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.	3	3	2	2	2	3	2	3	3	**2.69**	Phase 1
	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.	3	3	3	2	2	3	2	3	3	**2.79**	Phase 1
	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.	3	3	3	3	2	2	2	3	3	**2.83**	Phase 1
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	3	3	2	2	3	3	3	3	3	**2.82**	Phase 1
	Require Cal/OSHA training on indoor and outdoor heat safety prior to the issuance of pesticide permits.	3	3	3	3	3	2	3	3	2	**2.93**	Phase 1
	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.	3	3	3	2	3	3	3	3	2	**2.89**	Phase 1
	Coordinate with farmworker organizations to identify education opportunities and enforcement strategies to ensure Cal/OSHA standards on indoor and outdoor heat safety are met.	2	2	2	2	3	2	2	3	2	**2.14**	Phase 2
	Conduct targeted enforcement of outdoor workplaces during periods of high heat to ensure compliance with established outdoor worker heat illness prevention regulations.	2	2	2	2	3	2	2	3	2	**2.14**	Phase 2
Reduce Urban Heat Island Effect	Amend the municipal code to address Urban Heat Island Effect (UHIE)	3	3	3	3	2	3	2	3	3	**2.87**	Phase 1
	Pursue grant funding to reduce UHIE by replacing dark pavement with cool pavement in residential areas.	3	2	2	2	2	3	2	3	2	**2.4**	Phase 2

	Pursue grant funding to install cool pavements in place of dark pavements on County property.	2	2	2	2	2	3	2	3	3	**2.11**	Phase 2
	Pursue grant funding to replace roofs on County and service provider facilities with reflective materials that meet or exceed current code or green roofs.	2	2	2	2	2	3	2	3	3	**2.11**	Phase 2
	Connect low-income homeowners with programs and grants to replace roofs with reflective materials that meet or exceed current code or green roofs.	2	3	3	2	3	3	3	3	2	**2.57**	Phase 1
	Support parks acquisition and conservation strategies to enable park climate and equity goals and establish greenbelts. Seek opportunities to enhance groundwater recharge where possible.	3	3	2	2	3	3	3	3	3	**2.82**	Phase 1
	Develop community canopy program to expand tree planting, prioritizing areas experiencing urban heat island effect.	3	3	3	3	3	3	3	3	3	**3**	Phase 1
	Adopt and regularly update Development Improvement Standards with SRI guidelines for new roads.	3	3	3	2	2	2	2	3	3	**2.75**	Phase 1
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.	2	2	3	2	3	3	2	3	2	**2.28**	Phase 2
	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.	2	3	3	2	2	3	2	2	2	**2.4**	Phase 2

Phase 1	21
Phase 2	21
Phase 3	0

Attachment H – Staff Report on Climate Action ARP Funding

STAFF REPORT

DATE: March 25th, 2023

TO: Yolo County Climate Action Commission

FROM: Kristen Wraithwall, Sustainability Manager

Yuridiana Pantoja, CivicSpark Fellow

Julia Olsen, Sustainability Analyst

RE: Receive Update on Climate Action ARP Funding and Upcoming Requests.

RECOMMENDED ACTION

1. Receive Update on Climate Action ARP Funding and Upcoming Requests and consider additional ARP funding requests.

REASON FOR RECOMMENDED ACTION

To date, the Yolo County Climate Action Commission (Commission) and the Board of Supervisors (Board) have committed a total $456,232 of the $1,000,000 in Climate Action American Rescue Plan (ARP) funds, which leaves $543,768 to be committed to additional projects. Today, staff are presenting three additional funding requests, totaling $220,600:

- Home Energy Score Early Action Project (*Attachments J and K*)
- Weatherization Program (*Attachments L and M*)
- CAAP Tracking Dashboard (*Attachment N*)

BACKGROUND

On September 28, 2021, the Board approved the initial ARP Expenditure Plan, which included $1,000,000 for projects under Climate Action within the Strategic Plan Implementation category. The Board subsequently reviewed and provided direction on certain climate action funding at the June 7, 2022, November 22, 2022, and May 23, 2023 Board meetings. The approved projects and the amount funded to date are presented in the table below.

Project Title	Lead Entity	Amount Funded
Early Action Project: Carbon Farming Partnership	Center for Land Based Learning	$149,845
Early Action Project: Electrification Retrofit Rebate Outreach Program	Valley Clean Energy	$100,000
Climate Action and Adaptation Plan (CAAP) Support: Yolo Resource Conservation District Support for CAAP	Yolo Resource Conservation District	$45,287
Climate Action and Adaptation Plan (CAAP) Support: Community Engagement Package	Community Services	$31,100
Early Action Project: Agricultural Equipment Replacement Program	Community Services	$130,000
	Total Allocated:	**$456,232**
	Total Remaining:	**$543,768**

Today, staff recommend funding three additional projects:

Project Title	Lead Entity	Amount Funded
Home Energy Score Pilot Program (*Attachments J and K)*	Sustainability Division	$76,200
Weatherization Program (*Attachments L and M)*	Sustainability Division	$50,000
Yolo County CAAP Tracking Dashboard (*Attachment N)*	Sustainability Division	Up to $100,000
	Total Additional Allocation:	**$222,600**
	Total Remaining After Additional Allocations:	**$321,168**

These three projects have a total additional allocation of $222,600. If approved, there would be $321,168 in Climate Action ARP Funds remaining.

Staff recommend the remining $321,168 in unallocated funds be matched to critical Phase 1 Climate Action and Adaptation Plan priorities at the time of CAAP Adoption this fall.

NEXT STEPS

If approved by the Commission, next steps are as follows:

April 9	ARP Funding Requests to Board of Supervisors
Fall 2024	Remaining $321,168 in ARP funding allocated to CAAP Phase 1 Priorities
Dec. 31, 2024	All ARP Funds Obligated
Dec. 31, 2026	All ARP Funds Expended

Attachment I – Presentation on ARP Update and Additional Funding Requests

CLIMATE SUSTAINABILITY ARP UPDATE & ADDITIONAL FUNDING REQUESTS

Climate Action Commission
March 25, 2024

Kristen Wraithwall, Sustainability Manager
Yuridiana Pantoja, CivicSpark Fellow
Julia Olsen, Sustainability Analyst

CLIMATE ACTION ARP UPDATE

Project Title	Lead Entity	Amount Funded
Carbon Farming Partnership	Center for Land Based Learning	$149,845
Electrification Retrofit Rebate Outreach Program	Valley Clean Energy	$100,000
Yolo County RCD Support for CAAP	Yolo RCD	$45,287
CAAP Community Engagement Package	Community Services	$31,000
Agricultural Equipment Replacement Program	Community Services	$130,000
	Total Allocated	$456,232
	Total Remaining as of 3/2024	$543,768

ADDITIONAL FUNDING REQUESTS

Project Title	Lead Entity	Amount Funded
Home Energy Score Pilot Program	Sustainability Division	$72,600
Weatherization Program (3 yrs)	Sustainability Division	$50,000
Yolo County CAAP Tracking Dashboard + TA (3 yrs)	Sustainability Division	Up to $100,000

Total Remaining as of 3/2024	$543,768
Total Additional Requests	$222,600
Total Remaining for CAAP Implementation	$321,168

YOLO COUNTY

HOME ENERGY SCORE PILOT PROGRAM

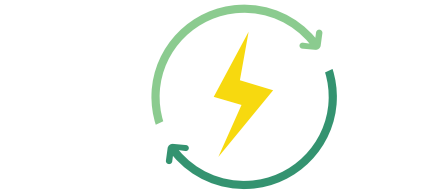
Yuridiana Pantoja
CivicSpark Fellow

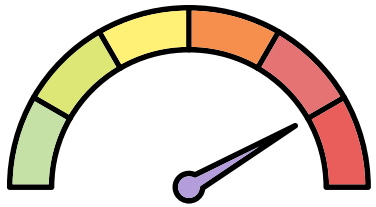
earth advantage

STOPWASTE
at home • at work • at school

Davis CALIFORNIA

EDUCATION • AGRICULTURE • INDUSTRY
COUNTY OF YOLO
Founded 1850





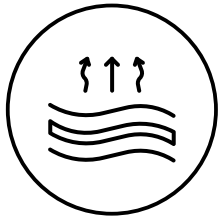
PROJECT DESCRIPTION

The Home Energy Score (HES) pilot program is a voluntary initiative targeting homes listed for sale in the unincorporated areas of Yolo County. Utilizing the Department of Energy scoring system, the program aims to encourage upgrades through toolkits, energy assessments , and educational efforts for realtors and assessors, with financial support for low-income households.

BENEFITS OF HES

Health & Safety

Improved indoor air and living conditions through better ventilation, non-toxic materials, insulation, and efficient systems enhance health and comfort.



Comfort

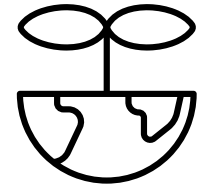
Energy-efficient upgrades improve home comfort by maintaining consistent temperatures and eliminating drafts and hot spots.

Property Value

Higher energy scores boost market appeal and resale value, making homes more attractive and financially beneficial for sellers.

Long-Term Savings

Energy-efficient upgrades, guided by a home energy score, can lower energy bills and offset initial costs, leading to homeowner savings.



Environmental Benefit

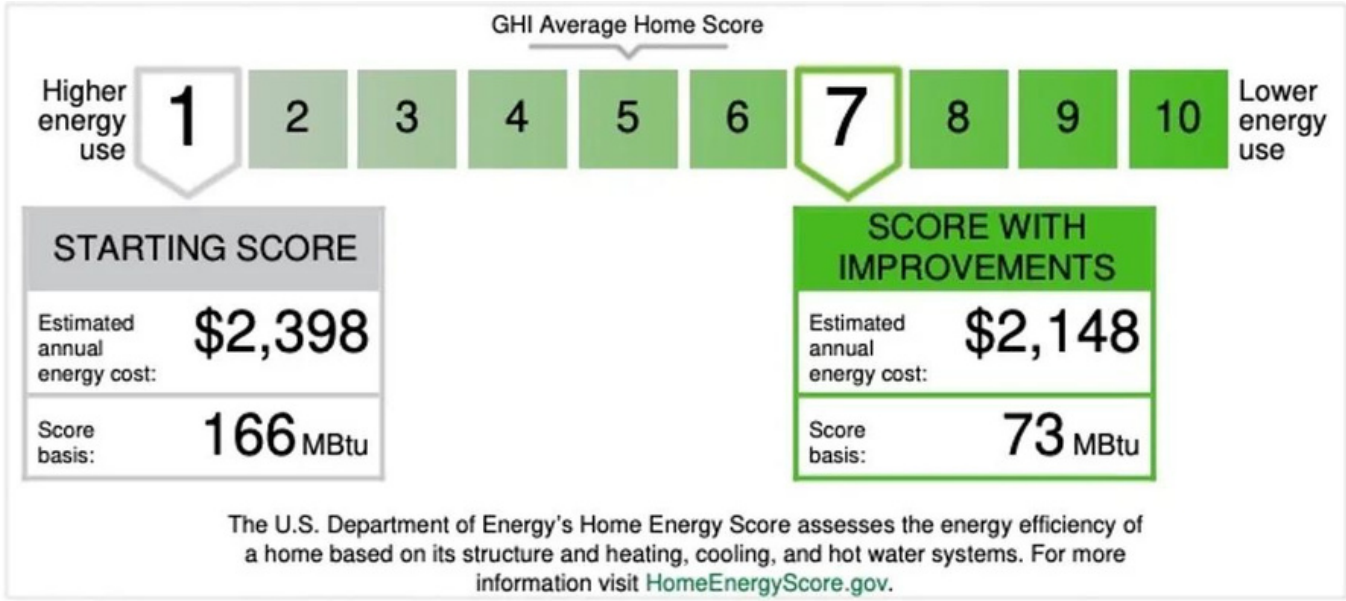
Reducing a home's energy consumption lowers its carbon footprint, contributing to environmental preservation and supporting global efforts against climate change.

Resilience & Sustainability

A strong home energy score mitigates impacts from energy price volatility and promotes energy-efficient, sustainable living, aiding in environmental conservation and cost stability.

HOW HES WORK?

The Home Energy Score simplifies home energy efficiency into a single, comparable number using a 1 to 10 scale.



Date Collection

- Evaluates 50 characteristics related to energy use.
- Key factors include insulation, HVAC, and more.

Scoring System

- Scale from 1 to 10 based on efficiency.
- Accounts for local climate impacts.

Outcomes & Benefits

- Offers estimates on energy costs and savings.
- Recommends upgrades to enhance efficiency and property value.

Funding Structure

Description	Cost
One-Time Launch Costs	$25.6k
Pilot Program Management Costs	$16k
Home Energy Score Rebate Costs	$21k
Community Outreach Partnerships	$10k
Total:	$72,600

Projected Timeline

APRIL 9TH 2024

HES Pilot Program presented to Board of Supervisors for approval.

SUMMER 2024

Promote HES through targeted social media campaigns, partnerships with community leaders and real estate professionals, and educational workshops to ensure widespread awareness.

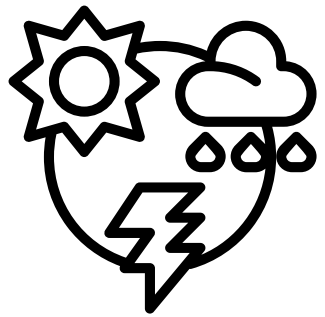
FALL 2024

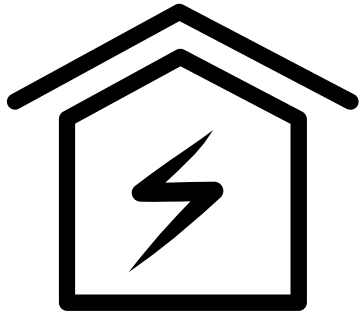
Launch pilot program targeting up to 60 homes in the incorporated areas, aiming to evaluate and enhance their energy efficiency through comprehensive assessments.

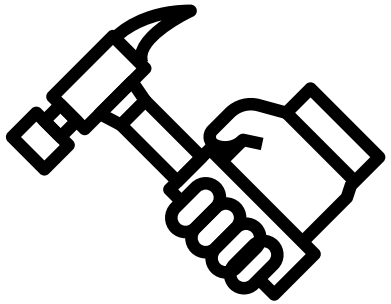
YOLO COUNTY

WEATHERIZATION PROGRAM

Yuridiana Pantoja
CivicSpark Fellow







PROJECT DESCRIPTION

The Weatherization Program stems from community feedback during the 2023 CAAP workshops, aims to enhance home energy efficiency through DIY solutions. The program will provide kits for targeted insulation improvements and energy cost reduction.

Weatherization Kits

Kits may include:

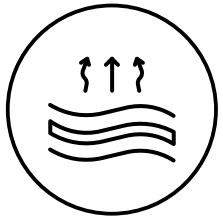
- Weatherstrips
- LED Light Bulbs
- Window Insulation
- Door Sweep
- Water Leak Detection Tablets
- Door Sweep
- Installation Guide Sheet
- Energy Saving Tips Booklet

An example of a weatherization kit, provided by Redwood Coast Energy Authority.

BENEFITS OF HES

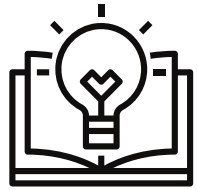
Health & Safety

Improved indoor air and living conditions through better ventilation, non-toxic materials, insulation, and efficient systems enhance health and comfort.



Comfort

Energy-efficient upgrades improve home comfort by maintaining consistent temperatures and eliminating drafts and hot spots.

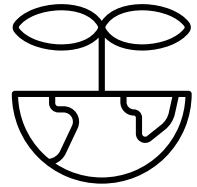


Education

These kits provide residents with the tools and knowledge to take charge of their own energy efficiency, fostering a sense of empowerment and promoting ongoing energy education.

Cost Savings

Improvements like insulation and sealing air leaks lead to lower energy consumption, directly reducing utility costs for residents.



Environmental Benefit

By enabling homeowners and renters to implement energy-saving measures, DIY kits contribute to broader greenhouse gas emission reductions, supporting community-wide environmental goals.

Resilience & Sustainability

Reducing a home's energy consumption lowers its carbon footprint, contributing to environmental preservation and supporting global efforts against climate change.

Funding Structure

Description	Cost
Weatherization Kits (100 kits/year for 3 years)	$35,000
Community Outreach Partnerships	$15,000
Total	**$50,000**

Projected Timeline

APRIL 9TH 2024

Weatherization Program presented to Board of Supervisors for approval.

SUMMER 2024

Promote program through targeted social media campaigns, partnerships with community leaders and educational workshops to ensure widespread awareness.

FALL 2024

Launch program targeting low-income, disabled, elderly, and renter communities.

YOLO COUNTY

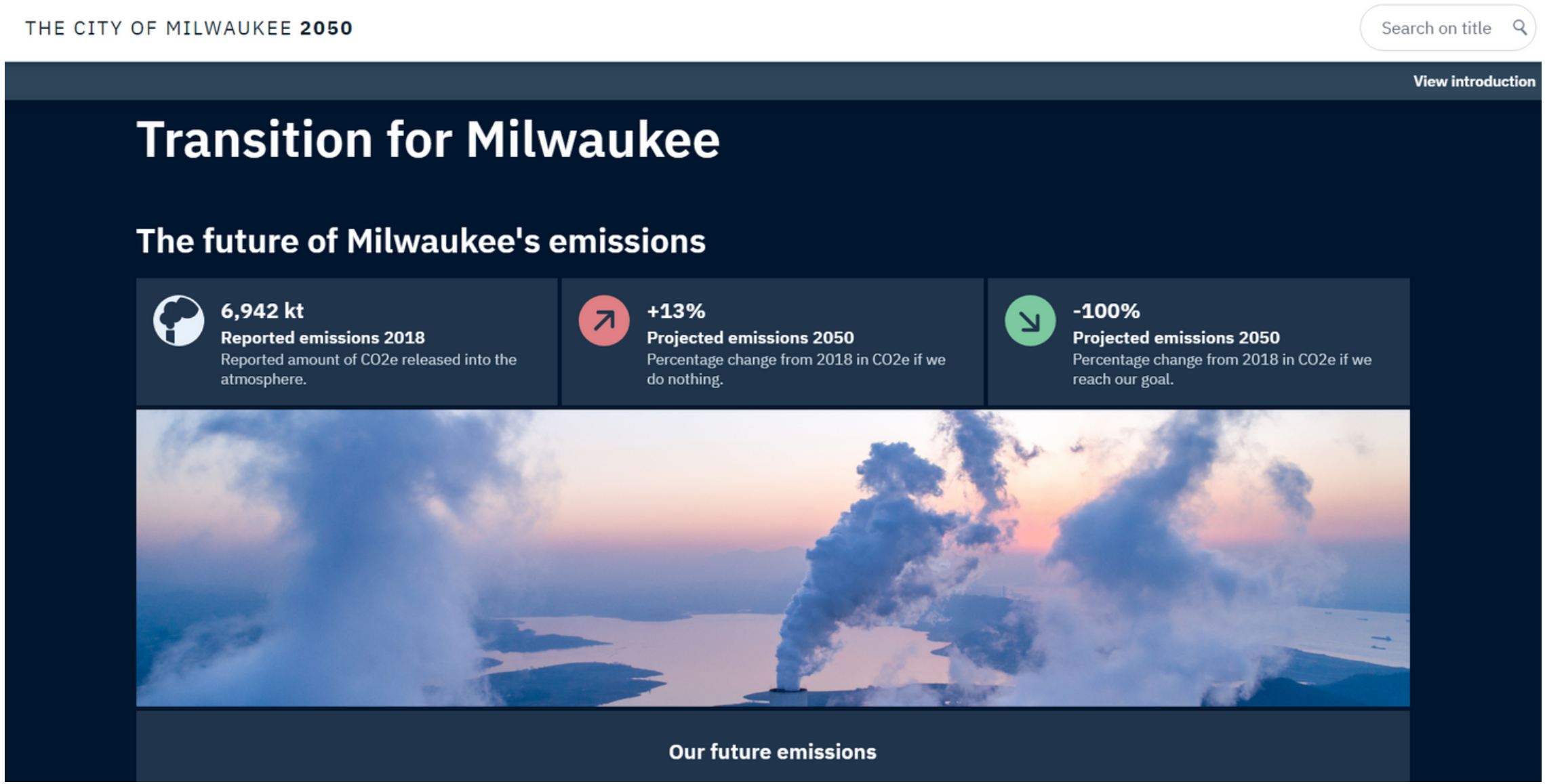
CAAP TRACKING DAHBOARD

Julia Olsen
Sustainability Analyst

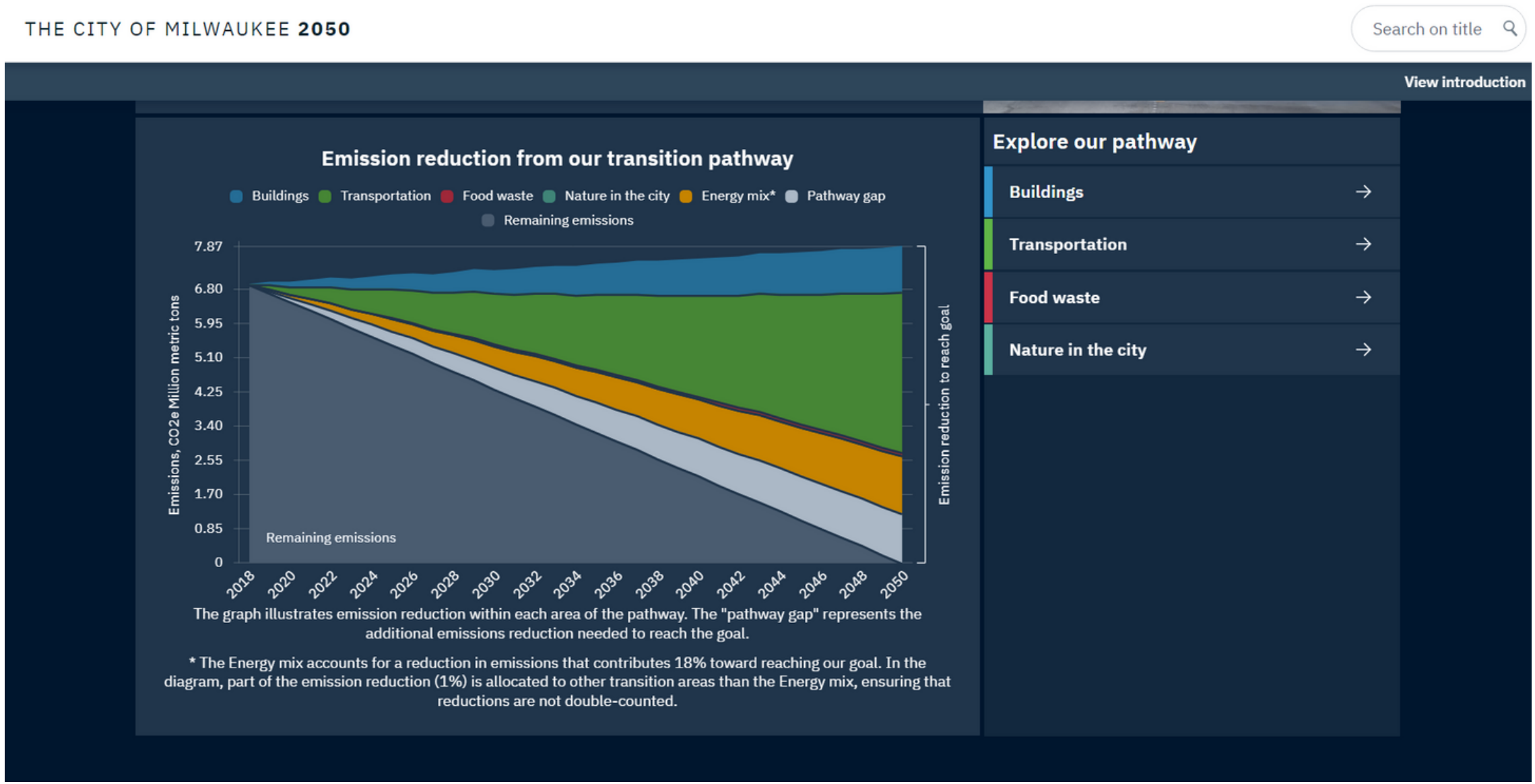
WHY DO WE NEED A CAAP DASHBOARD?

The need for a public-facing, interactive CAAP Dashboard stems from previous Commission discussions, emphasizing the need to integrate emissions reductions progress, emissions forecasting, clear visuals, and more into a single, user-friendly system with accessible messaging available in multiple languages.

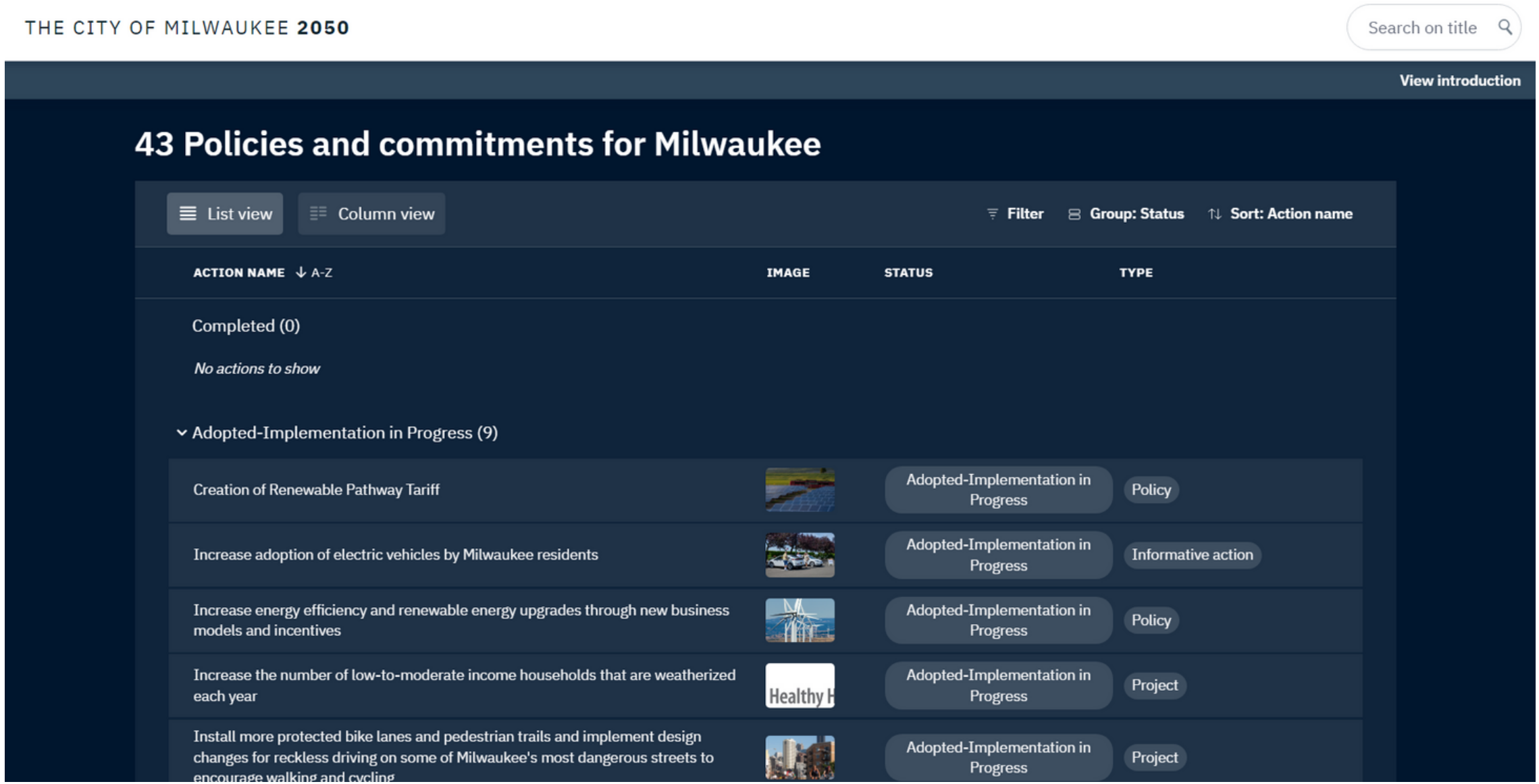
EXAMPLES OF CAAP DASHBOARDS



EXAMPLES OF CAAP DASHBOARDS

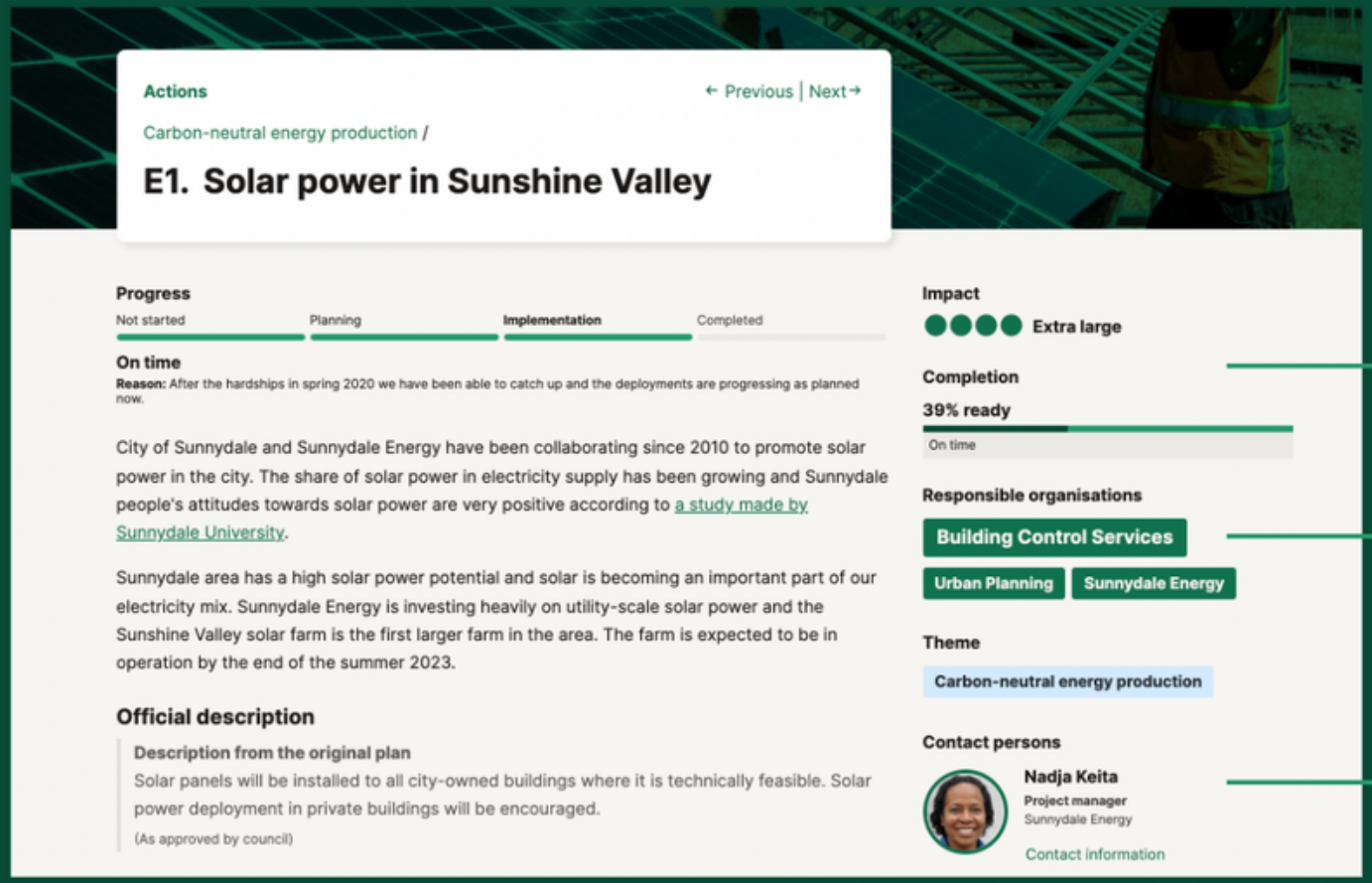


EXAMPLES OF CAAP DASHBOARDS



EXAMPLES OF CAAP DASHBOARDS

Provide detailed real-time information to all stakeholders



https://sunnydale.test.kausal.tech/actions/E1

Customizable data fields related to each action (e.g. impact estimates, costs, links to other programs)

One unit inside the organization always has the main responsibility of the action. This enables real-time dashboards for each department of the organization.

Each action has one or more contact persons. The contact person is automatically reminded if they haven't updated the information in e.g. 2 months.

EXAMPLES OF CAAP DASHBOARDS

View

Access & Crisis Dashboard

Improve linkage of Yolo County children and youth to appropriate level of mental health care.

The Access and Crisis Response Program serves children and youth, age 0-20, who appear to be in need of mental health services, or are in crisis or at risk of being in crisis. The goals of this program are to stabilize children and youth in crisis to ongoing services, provide follow-up to ensure they are engaged in services, and provide crisis or de-escalation services to prevent avoidable usage of emergency services, hospitalization and incarceration.

02/09/24

Program Contacts

Kerrie Covert

Important Dates

Fiscal Period	Fiscal Timeframe	Data Due Date
FY 23-24 Q1	July 2023 - Sept 2023	Nov 13, 2023
FY 23-24 Q2	Oct 2023 - Dec 2023	Feb 12, 2024
FY 23-24 Q3	Jan 2024 - March 2024	May 13, 2024
FY 23-24 Q4	Apr 2024 - June 2024	Aug 12, 2024

Missing PMs/PMs Due

Missing PMs	PM 1.1, PM 1.2, PM 1.3, PM 1.4, PM 1.5, PM 1.6, PM 1.7; PM 2.1, PM 2.2, PM 2.3; PM 3.1, PM 3.1, PM 3.2, PM 3.2, PM 3.3, PM 3.3
PMs Due This Quarter	PM 1.1, PM 1.2, PM 1.3, PM 1.4, PM 1.5, PM 1.6, PM 1.7; PM 2.1, PM 2.2,

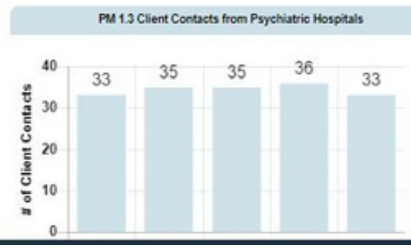
Key Resource Links

- HHSA Performance Dashboard!
- PPM Home Page
- RBA Training Resources!

Help

Please click on the help button to submit a request for dashboard or data matrix maintanence

Performance Measure 1: How much did we do?



Request for Allocation of ARP Funds

Avg. Start Up Costs	Avg. Annual Costs
~$30,000	~$10,000
Total for 3-yr Contract	**~$60,000+**
ARP Request	Not to exceed **$100,000**

Next Steps

APRIL 9TH 2024

CAAP Dashboard presented to Board of Supervisors for approval.

MAY/JUNE 2024

Launch of RFP for CAAP Dashboard Vendors

FALL/WINTER 2024

Launch Tracking Dashboard along with CAAP Adoption

STAFF RECOMMENDATIONS

1. Approve Updated Home Energy Score Early Action Project Description

2. Approve the Yolo County Weatherization Program Proposal

3. Approve ARP Allocations of:

- $72,600 for Home Energy Score Pilot Program
- $50,000 for Weatherization Program
- $100,000 for CAAP Tracking Dashboard

Attachment J – Staff Report on Updated Home Energy Score Early Action Project

STAFF REPORT

DATE: March 25th, 2024

TO: Yolo County Climate Action Commission

FROM: Yuridiana Pantoja, CivicSpark Fellow
Kristen Wraithwall, Sustainability Manager

RE: Approve Updated Home Energy Score Early Action Project Description

RECOMMENDED ACTION

1. Approve the Updated Home Energy Score Early Action Project Description (Attachment K).
2. Recommend allocation of $72,600 in Climate Action American Rescue Plan (ARP) funds for the implementation of the Home Energy Labeling pilot program.

REASON FOR RECOMMENDED ACTION

Launching a Home Energy Score (HES) Pilot Program will enable the County to assess the GHG benefits of voluntary HES assessment programs prior to pursuing a Countywide program or a time-of-listing HES requirement. Allocating ARP funding to this effort will enable staff to officially launch the seventh and final early action project as approved by the Commission in 2022, and to provide free-of-cost home energy assessment to up to 60 homes in the unincorporated area.

BACKGROUND

From September 2021 to January 2022, Yolo County staff and the Yolo County Climate Action Commission (Commission) sought applications from the public for early actions to further Yolo County's climate action and sustainability initiatives and support the goals in the 2020 emergency climate resolution. In January 2022, the Commission approved early action eligibility and prioritization criteria, which Yolo County staff used to recommend rankings of the 21 early action proposals received by the Commission. County staff used the approved prioritization criteria to recommend seven early action priorities to the Climate Action Commission, including a Home Energy Labeling Program, which recommended the development of an ordinance to require the completion of a Home Energy Score at time-of-listing. This proposal was approved in concept by the Board of Supervisors on May 24, 2022, however immediate progress on this project was delayed due to limited staff capacity.

In the interim two years, staff have revisited this early action project with the Board Subcommittee on Climate and implementors of Home Energy Score programs across California. These conversations have led staff to recommend the development of a Home Energy Score (HES) Pilot Program to assess community buy-in and interest in conducting assessments, analyze the voluntary energy efficiency upgrades undertaken by

homeowners as a result of receiving a HES assessment, and to assess the costs and greenhouse gas (GHG) reduction benefits of implementing a time-of-listing program as the early action was initially outlined.

The updated project description for this early action project is attached (Attachment K), and outlines a pilot program for the unincorporated County, wherein the County leverages ARP funds to administer Home Energy Scores free of charge for up to 60 homes, with a priority on low-income homeowners and renters.

Following the completion of the pilot program and an analysis of program effectiveness completed by the County in partnership with identified technical assistance providers, the County will consider identifying funding opportunities to expand the scale of the program in the future.

BENEFITS OF HES

Economic Impact

Through comprehensive energy assessments, the HES pilot program equips homeowners with the knowledge and recommendations to decode and enhance their residential energy efficiency, potentially leading to improvements that drive down utility expenses. The HES pilot program will provide participants with a straightforward list of home improvements that can improve energy efficiency and reduce utility bills, particularly crucial for low-income families for whom these savings can translate into essential financial reprieve. While the pilot program in its current form does not provide direct incentives for home energy improvements, staff will connect program participants to the Home Weatherization Program and the Electrification Retrofit Rebate Outreach Program (ERRO) to help address financial gaps in implementing improvements.

The Home Energy Score (HES) program, initiated by the U.S. Department of Energy, plays a vital role in reducing greenhouse gas (GHG) emissions by promoting residential energy efficiency. By evaluating homes on a scale from 1 to 10, HES provides homeowners with actionable insights to enhance their energy performance, directly contributing to GHG emissions reduction.

Notably, in cities like Portland, Oregon, a mandatory Home Energy Score program has successfully incentivized energy-efficient improvements in homes, aligning consumer behavior with environmental sustainability goals.[7] In the case of time-of-sale or time-of-listing programs, studies confirm that energy-efficient homes can command higher market values, further motivating investments in energy upgrades reduce emissions.[8]

[7] Report to Portland City Council on Residential Energy Performance Rating and Disclosure (Ordinance No. 188143) October 2020

[8] Pigman, M., Stratton, B. C., & Mercado, A. (2022). Quantifying the Multiple Benefits of Energy Efficiency and Low-Income Energy Programs at the Household Level [Preprint]. Lawrence Berkeley National

The emissions reductions benefits of a Home Energy Score Program in Yolo County, particularly one that is voluntary, is unknown at this time. This is a key reason for pursuing a pilot program before launching an expanded Countywide program or exploring time-of-listing or time-of-sale HES requirements. Yolo County is committed to developing a robust mechanism to track the program's impact on reducing greenhouse gas emissions, such as through post-assessment surveys and assessing utilization of ERRO and Weatherization Program offerings to implement home energy efficiency upgrades.

Target Demographics

The HES pilot program is tailored to support our community's most vulnerable residents, including low-income families, seniors, individuals with disabilities, and renters and will provide energy assessments for up to 60 homes in unincorporated area with a focus on low-income single-family homes and eligible multifamily units. The program will launch in coordination with the Electrification Retrofit Rebate Outreach Program (ERRO) and the Home Weatherization programs, and staff will provide additional support and guidance to pilot program participants to connect them with additional resources and funding opportunities to implement home energy efficiency upgrades.

Services Provided

This program employs the DOE's Home Energy Score system, rating homes on a scale of 1-10. Each pilot program participant will receive a report that provides their home's energy efficiency score and specific recommendations for improvements, such as upgrading to LED lights or enhancing insulation. This standardized scoring helps homeowners understand their energy usage and identify impactful changes.

Funding Allocation

Running a HES pilot program in Yolo County for up to 60 homes will cost $72,600, as outlined below:

Description	Cost
One-Time Pilot Program Launch Costs	$25,600
Pilot Program Management Costs	$16,000
Energy Score Rebate Costs ($350 each, up to 60 scores)	$21,000
Community Outreach Partnerships	$10,000
Total Budget	$72,600

Monitoring and Evaluation

Laboratory. https://eta-publications.lbl.gov/sites/default/files/pigman_aceee_summer_study_2022_preprint.pdf

To assess the program's impact, staff will conduct post-assessment surveys to assess program value and to track any upgrades that occurred as a result of the program. This approach allows us to quantify the energy savings and emission reductions achieved, providing essential feedback to optimize the program and consider the correct path forward for a potential expansion.

NEXT STEPS

Pending recommendations by the Commission, the next steps and estimated timeline for the HES program are as follows:

April 9th, 2024	HES Program to Board of Supervisors
Spring/Summer 2024	Preliminary Outreach Begins
	Release RFP for Community Outreach Partners
Fall 2024	Launch HES Pilot Program

Attachment K – Home Energy Score Pilot Program

County of Yolo

DEPARTMENT OF COMMUNITY SERVICES

Leslie Lindbo
DIRECTOR

Planning & Public Works
292 West Beamer Street
Woodland, CA 95695-2598
(530) 666-8775
FAX (530) 666-8156
www.yolocounty.org

Environmental Health
292 West Beamer Street
Woodland, CA 95695-2598
(530) 666-8646
FAX (530) 669-1448
www.yolocounty.org

Integrated Waste Management
44090 CR 28H
Woodland, CA 95776
(530) 666-8852
FAX (530) 666-8853
www.yolocounty.org

HOME ENERGY SCORE PILOT PROGRAM

Proposed Early Action to Implement Resolution No. 20-114 Related to the Climate Crisis

PROPOSED ACTION

The proposed action will launch a voluntary Home Energy Score (HES) pilot program for homes in the unincorporated area of Yolo County. Homeowners will be given the opportunity to voluntarily undergo a home energy assessment conducted by trained technicians, resulting in the assignment of a score on a one to ten scale to assess energy use, utilizing the Department of Energy's scoring system. This score provides targeted recommendations for improving the home's energy efficiency, including installing energy-efficient appliances or making other home weatherization upgrades. The County will work with partners to provide toolkits, checklists, information about rebates/incentives, and other recommendations to homeowners regarding options to improve home energy efficiency. Program rollout will coincide with the launch of the Electrification Retrofit Rebate Outreach (ERRO) Program and Home Weatherization Program, enabling pilot program participants to be connected to immediate technical assistance programs. The pilot program will cover assessment costs for up to 60 homes and will prioritize outreach to low-income homeowners and owners of multifamily properties to ensure low-income households can access energy efficiency benefits and associated technical assistance programs. The County may host webinars for real estate agents to educate them about the program and coordinate with local job training centers to explore opportunities for training additional home energy assessment technicians.

BACKGROUND

The County hopes to undertake a Home Energy Score Pilot Program as a way to assess the potential benefit of developing a Countywide program similar to those currently implemented in jurisdictions such as Berkeley, California and Portland, Oregon. While home energy labeling is mandatory at time of home listing in Portland and at time of sale in Berkeley, improving the home energy score is not mandatory. In Berkeley, the Bay Area Regional Energy Network (BayREN) provides incentives to low scoring homes to implement energy efficiency measures and partners with Rising Sun, a job training program, to hire and train technicians. BayREN's Green Labeling Program has two offerings: 1) Regional Home Energy Sector Score (HEScore) that trains assessors to complete a HEScore and provides incentives for scores, and 2) continuing education and other opportunities for realtors, appraisers and lenders to increase their ability to understand, market, and evaluate energy efficient and green homes. The primary objective of the program is to establish integrated and aligned green labeling to increase awareness and transparency of residential energy information. In 2020, BayREN, through the Green Labeling program, provided single family homes with 1,626 Home Energy Scores and $317,300 in incentives.

Yolo County plans to run a pilot program for up to 60 households, and will assess the benefits of the program based on post-assessment surveys, an analysis of upgrades undertaken as a result of the completed assessments (including whether or not pilot households utilized the ERRO or Weatherization programs as a means to achieve energy efficiency improvements), and consideration of community interest in participating in the pilot program. At the conclusion of the pilot program, staff will assess the potential for expanding the HES program and/or exploring time-of-listing or time-of-sale HES programs.

CONSISTENCY WITH EXISTING POLICIES

The February 2021 *Yolo County Sustainability Plan* includes the following relevant strategies to support this project:

- Action ED 1.1. Support existing County outreach and awareness programs arounds stormwater quality, energy efficiency, water conservation, and waste
- Action ED 1.1. Work with indigenous groups, vulnerable populations, and community-based organizations in creating sustainability outreach and education programs
- Action AQ 2.2 Work with school districts, community colleges, and career technical education providers to develop a green workforce pipeline
- Action BU 2.1. Provide incentive programs to encourage electrification of existing homes

The 2024 *Yolo County Climate Action Plan* includes the following relevant strategies:

- Strategy 3: Decarbonize Energy and Buildings and Increase Energy Efficiency
- Measure: 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.

BENEFITS TO DISADVANTAGED/VULNERABLE COMMUNITIES

A goal of the Home Energy Score pilot program is to equip community members with knowledge about the critical opportunities to improve energy efficiency in their homes, and to connect these community members to technical assistance programs—including ERRO and the Home Weatherization Program—and support to make energy efficiency/decarbonization improvements. If implemented, these energy efficiency improvements will in turn reduce ongoing energy costs for low-income households, freeing up limited income for other household needs. To realize these benefits, the County needs to ensure low-income households and renters have the opportunity to participate in this program free of cost. For this reason, the County proposes waiving costs associated with receiving a HES for participants in the pilot program. Furthermore, as is outlined above, the 2024 CAAP has an action aimed at increasing the accessibility of home weatherization and energy assistance programs, particularly for low-income and non-English speaking households. County staff will design and carry out the HES pilot program with this action at front of mind, ensuring that these vital programs are accessible to all community members.

Greenhouse Gas Emission Reduction

The emissions reductions benefits of a Home Energy Score Program in Yolo County, particularly one that is voluntary, is unknown. This is a key reason for pursuing a pilot program before launching a Countywide program or exploring time-of-listing or time-of-sale assessment requirements. Yolo County is committed to developing a robust mechanism to track the program's impact on reducing greenhouse gas emissions, such as through post-assessment surveys and tracking utilization of ERRO and Weatherization Program offerings.

CO-BENEFITS

If the pilot program is expanded into a Countywide program, it will create "green" jobs by creating training and employment opportunities for people working to assess and retrofit homes.

TRANSFORMATIVE/REPLICABLE ELEMENTS

Should the HES pilot program achieve success in Yolo County, it presents an opportunity to consider a broader, county-wide rollout. The successful implementation and positive outcomes of this pilot could inspire and serve as a model for other jurisdictions, potentially leading to wider adoption and fostering a regional commitment to energy efficiency and sustainability.

DEGREE OF READINESS

There is a high degree of readiness to launch this program. Partnerships with StopWaste and EarthAdvantage, the current implementors of the Bay Area's regional HES program, have been developed and assessors covering the Yolo County region are ready to be deployed. Yolo County must create an outreach plan for the home energy labeling in the unincorporated area to ensure priority populations have access to the pilot program.

COSTS

The total cost of implementing the pilot program within unincorporated Yolo County is $72,600.

Pilot program costs for the County include:

- One-Time Pilot Program Launch Costs $25,600
- Pilot Program Management Costs $16,000
- Energy Score Rebate Costs (*$350 each, up to 60 scores*) $21,000
- Community Outreach Partnerships $10,000

FUNDING

County staff recommends the County allocate $72,600 in American Rescue Plan funds to this program.

CONCERNS

In its current form, the County does not provide direct incentives to implement the home energy improvements identified in the HES assessment process, which could be seen as diminishing the

value of the program for low-income homeowners and renters. To address this limitation, the County plans to waive costs associated with receiving a home energy score, and will launch this program in line with existing technical assistance programs such as ERRO and the Home Weatherization program. Staff will also provide additional support and guidance to pilot program participants to connect them with additional resources and funding opportunities to implement home energy efficiency upgrades.

PARTNERS

Yolo County is partnering with StopWaste and Earth Advantage, effective statewide leaders in Home Energy Score program implementation, to carry out the HES program. The County is also partnering with the City of Davis to launch an equivalent pilot program at the city level at the same time. Costs associated with the City of Davis pilot program are not included in this proposal, as the City will manage its own pilot program rollout and associated costs.

PERSONNEL

In the chart below, please list names, role, and contact information for all project leader(s) and project partners.

Name	Role (Lead or Partner)	Email
Yuridiana Pantoja	Lead	yuridiana.pantoja@yolocounty.org
Kristen Wraithwall	Lead	kristen.wraithwall@yolocounty.org
Emily Alvarez, StopWaste	Partner	ealvarez@stopwaste.org
MacKenzie Winchel, EarthAdvantage	Partner	mwinchel@earthadvantage.org
Maddy Salzman, EarthAdvantage	Partner	msalzman@earthadvantage.org
David Heslam, EarthAdvantage	Partner	dheslam@earthadvantage.org
Kerry Loux, City of Davis	Partner	kloux@cityofdavis.org

Attachment L – Staff Report on Proposed Weatherization Program

STAFF REPORT

DATE: March 25th, 2024

TO: Yolo County Climate Action Commission

FROM: Yuridiana Pantoja, CivicSpark Fellow
Kristen Wraithwall, Sustainability Manager

RE: Approve Yolo County Weatherization Program Proposal

RECOMMENDED ACTION

1. Approve the Yolo County Weatherization Program Proposal (Attachment M).
2. Recommend allocation of $50,000 in Climate Action American Rescue Plan (ARP) funds for the implementation of the Yolo County Home Weatherization Program from 2024-2026.

REASON FOR RECOMMENDED ACTION

Staff recommend approval of a Yolo County Weatherization Program, which addresses the community-voiced need for improved energy efficiency in homes, especially for low-income residents and renters. Developed based on feedback received during Climate Action and Adaptation Plan (CAAP) workshops, the program aligns with our goals to enhance energy efficiency and reduce greenhouse gas emissions in residential buildings across the county. It will provide residents with the tools and knowledge to enhance their home's energy performance, supported by technical assistance to ensure accessibility and effectiveness. Approval of this program would reinforce Yolo County's commitment to sustainable living and climate action, demonstrating a tangible step towards our collective environmental objectives. It would also allocate funding to a community-identified priority, particularly for low-income renters. Following the community's guidance, County staff have researched best practices, consulted stakeholders, and drafted the program proposal (Attachment M) for your consideration.

BACKGROUND

The Weatherization Program in Yolo County originated from valuable insights and community engagement during the 2023 CAAP workshops. Utilizing a dot activity, residents highlighted their preference for improving energy efficiency, especially for those facing financial challenges. The results from the dot activity supported the weatherization initiative, placing it among the top 7 climate action and adaptation community preferences Countywide. The program is crafted to enhance energy efficiency, improve indoor air quality, and boost the well-being of Yolo County's community members, emphasizing straightforward, practical weatherization solutions aimed at assisting the economically vulnerable.

Funded by the Climate Action American Rescue Plan (ARP) Fund, the program contributes to Yolo County's climate goals while addressing community needs, providing solutions that lower energy bills and enhance indoor comfort for vulnerable populations.

Adoption of a Weatherization Program would represent a dedication to both environmental sustainability and social equity. Not only does this meet both action and adaption goals, but this initiative is also an embodiment of turning community input and goals from the CAAP workshops into concrete actions that enhance resident well-being.

BENEFITS OF WEATHERIZATION

Economic Impact

Enhanced energy efficiency through weatherization not only contributes to environmental sustainability but also provides a positive economic impact for residents by reducing their utility bills. By implementing weatherization measures such as improving insulation and sealing air leaks, households can decrease their energy consumption, leading to savings on utility costs.[1] The Weatherization Assistance Program (WAP), as detailed by the U.S. Department of Energy, underscores the economic impact of enhanced energy efficiency, particularly in terms of reducing utility bills for low-income households. On average, households that have undergone weatherization through WAP experience about $372 in yearly energy savings, expressed in 2022 dollars, reflecting a direct financial benefit from reduced energy consumption.[2] The investment in weatherization returns about $1.72 in energy benefits and $2.78 in non-energy benefits for every dollar spent,[3] encapsulating the multifaceted value of these interventions. The non-energy benefits, such as improved health, safety, and comfort, enhance the living conditions of low-income families, further contributing to their economic stability and well-being.

These figures reinforce the role of weatherization in alleviating the energy burden on low-income families, who typically spend 14% of their income on energy compared to 3% for higher-income households.[4]

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[1] Bradshaw, J. L., Bou-Zeid, E., & Harris, R. H. (2016). Greenhouse gas mitigation benefits and cost-effectiveness of weatherization treatments for low-income American urban housing stocks. Energy and Buildings, 128, 911-920. https://doi.org/10.1016/j.enbuild.2016.07.020

[2] U.S. Department of Energy, Weatherization Assistance Program Fact Sheet, July 2023

[3] Tonn, B., D. Carroll, S. Pigg, M. Blasnik, G. Dalhoff, J. Berger, E. Rose, B. Hawkins, J. Eisenberg, F. Uncar, I. Bensch, and C. Cowan. 2014. Weatherization Works – Summary of Findings from the Retrospective Evaluation of the U.S. Department of Energy's Weatherization Assistance Program. Oak Ridge National Laboratory, ORNL/TM-2014/338.

[4] Rose, E., B. Hawkins. 2020. "Background Data and Statistics on Low-Income Energy Use and Burden for the Weatherization Assistance Program: Update for Fiscal Year 2020." weatherization.ornl.gov/wp-content/uploads/2021/01/ORNL_TM-2020_1566.pdf

Health and Safety Improvements

Poor indoor air quality is a significant health hazard, with one notable risk being the exacerbation of asthma - a condition affecting millions, especially vulnerable children.[5] Through targeted weatherization efforts, such as reinforcing insulation and guaranteeing proper ventilation, the program can help diminish exposure to harmful indoor pollutants, a vital factor during extreme weather events that can exacerbate indoor air quality issues. Therefore, the Weatherization Program extends beyond simple energy conservation, serving as a tool for enhancing climate resiliency. It plays a role in protecting resident health and ensuring safer living environments, which is especially critical in preparing and responding to the challenges posed by a changing climate and its impact on vulnerable populations.

GHG Reduction Potential

The effort to mitigate greenhouse gas (GHG) emissions through weatherization contributes to our goal and a broader strategy to combat extreme weather, especially in sectors such as residential and commercial buildings. While the precise emissions benefits of a weatherization program is expected to be modest, the project has critical adaptation, equity, and economic co-benefits.

PROGRAM DETAILS

Target Demographics

Our weatherization program is designed to be inclusive, offering services to all residents while prioritizing aid for those in greatest need. In alignment with our commitment to social equity, the program will prioritize low-income households, the elderly, individuals with disabilities, and renters, recognizing these groups as the most vulnerable to energy inefficiency impacts. Staff will work with community outreach partners to conduct targeted outreach to priority populations, ensuring that the benefits of the program reach a broad and diverse population.

Services Provided

The provided kits will be comprehensive, containing a range of weatherization and energy conservation tools tailored to the specific needs and characteristics of each household. Items included are weatherstrips, window insulation kits, door sweeps, outlet and switch gaskets to prevent drafts, and water conservation tools such as toilet leak detection tablets. In addition to these materials, the kits will feature energy-saving items

[5] Asthma and Allergy Foundation of America. “Asthma Facts and Figures.” Accessed March 04, 2024. www.aafa.org/asthma-facts/

like LED light bulbs and smart outlets to help residents manage their energy use more effectively. Understanding that homes are as diverse as their inhabitants, our kits are designed to be adaptable. County staff will build an online system that allows residents to request kits tailored to their specific needs, ensuring the interventions are as effective and relevant as possible to their living environment. By allowing customization of the kits, we ensure that each household receives the most relevant and impactful solutions, minimizing potential waste.

Educational Component

Alongside the physical tools, our program will include educational materials and online resources to guide residents in the proper installation and use of the provided items. These resources will also offer additional energy-saving tips and information on further steps households can take to reduce their energy consumption. Given that this program will launch at the same time as the Electrification Retrofit Rebate Outreach (ERRO) Program this fall, kits will have information on how to take advantage of ERRO program offerings provided in partnership with Valley Clean Energy.

Community Engagement

To foster a sense of community ownership and involvement and to ensure we are reaching priority communities, we will engage with local community-based organizations and volunteers in the outreach and distribution process. Compensation for community outreach partnerships is included in the funding allocation below.

Funding Allocation

With a proposed budget of $50,000, we plan to assemble and distribute approximately 300 weatherization kits over the course of 3 years. The budget has been developed based on the cost to purchase weatherization kit elements and energy efficiency add-ons. Budget has also been added to compensate community outreach partners for providing support in program outreach and kit distribution.

Description	**Total Cost**
Weatherization Kits *100 kits per year for 3 years*	$35,000
Community Outreach Partnerships *$5,000 per year for 3 years*	$15,000
Total Annual Budget	**$50,000**

Monitoring and Evaluation

To assess the program's impact, we will conduct post-distribution surveys, enabling us to quantify the benefits achieved, and adapt our program to community need throughout

the three-year implementation period. This data will be crucial for refining the program and securing ongoing support and funding.

NEXT STEPS

Pending recommendations by the Commission, the next steps and estimated timeline for the Weatherization program are as follows:

April 9th, 2024	Weatherization Program to Board of Supervisors
Summer 2024	Begin Outreach about Program
	Release Solicitation for Community Outreach Partners
Fall 2024 - 2026	Distribution of Weatherization Kits

Attachment M – Weatherization Program Description

County of Yolo

DEPARTMENT OF COMMUNITY SERVICES

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WEATHERIZATION PROGRAM

Implementing Phase 1 Priority Action Under Climate Action and Adaptation Plan (CAAP)
Strategy 3: Decarbonize Energy and Buildings and Increase Energy Efficiency

PROPOSED ACTION

The proposed action will implement the Yolo County Weatherization Program, designed to provide low-income households and renters with free do-it-yourself (DIY) weatherization kits. These kits contain tools and resources to improve home energy efficiency independently, including educational materials and energy-efficient devices. The program will aim to empower residents to reduce their energy usage, lower utility costs, and enhance indoor air quality. Additionally, the County plans to offer workshops and support materials online to educate residents on using these kits effectively, as well as connect community members to possible financial assistance—such as through the Home Energy Score or Electrification Retrofit Rebate Outreach Program—for those who need further aid in weatherizing their homes and improving energy efficiency.

BACKGROUND

In response to rising concerns about energy efficiency and support for low-income households identified during the CAAP workshops in Fall/Winter 2023, Yolo County has prioritized the development of a Weatherization Program. This initiative aligns with the state and local goals to reduce residential energy consumption and greenhouse gas emissions, addressing a critical need highlighted by Yolo County residents for more accessible energy efficiency solutions.

CONSISTENCY WITH EXISTING POLICIES

The February 2021 *Yolo County Sustainability Plan* includes the following relevant strategies to support this project:

- Action ED 1.1. Support existing County outreach and awareness programs arounds stormwater quality, energy efficiency, water conservation, and waste
- Action ED 1.1. Work with indigenous groups, vulnerable populations, and community-based organizations in creating sustainability outreach and education programs
- Action AQ 2.2 Work with school districts, community colleges, and career technical education providers to develop a green workforce pipeline
- Action BU 2.1. Provide incentive programs to encourage electrification of existing homes

The 2024 *Yolo County Climate Action Plan* includes the following relevant strategies:

- Strategy 3: Decarbonize Energy and Buildings and Increase Energy Efficiency

- Action: 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.

BENEFITS TO DISADVANTAGED/VULNERABLE COMMUNITIES

By offering weatherization assistance, the program specifically benefits low-income and vulnerable populations, providing them with the tools and knowledge to enhance their homes' energy efficiency. This support helps reduce their energy bills, improves home comfort, and contributes to healthier living environments[i]. The weatherization program is designed to be inclusive, offering services to all residents while prioritizing aid for those in greatest need. In alignment with our commitment to social equity, the program will prioritize low-income households, the elderly, individuals with disabilities, and renters, recognizing these groups as the most vulnerable to energy inefficiency impacts. Staff will work with community outreach partners to conduct targeted outreach to priority populations, ensuring that the benefits of the program reach a broad and diverse population.

GREENHOUSE GAS EMISSION REDUCTION

The effort to mitigate greenhouse gas (GHG) emissions through weatherization program implementation contributes to the County's emissions reduction goal. While the precise emissions benefits of a weatherization program is expected to be modest, the project has critical adaptation, equity, and economic co-benefits.

CO-BENEFITS

Beyond energy savings, the program promotes public health through improved living conditions and enhances community awareness and education regarding sustainable practices. This program also will improve climate resiliency, particularly by providing efficient cooling during heat waves.

TRANSFORMATIVE/REPLICABLE ELEMENTS

If Yolo County successfully implements this program, Yolo County would serve as a model for similar programs in other jurisdictions, demonstrating an effective community-driven approach to improving residential energy efficiency.

DEGREE OF READINESS

Yolo County must identify partners to assist with outreach before launch of this project. The county will begin outreach of this program in the Summer/Fall of 2024 and distribute kits starting in Fall/Winter of 2024.

COSTS

The proposed action requests $50,000.

FUNDING

County staff recommends the County allocate $50,000 in American Rescue Plan funds to this program.

CONCERNS

To address potential concerns regarding financial burdens, Yolo County intends to cover the cost of the weatherization kits and make them free for all households (up to 100 households per year). The program will also seek additional funding to supplement existing state and federal rebates. Additionally, an ongoing feedback mechanism will adapt the program to meet community needs effectively, reinforcing its commitment to being a supportive resource for enhancing energy efficiency without adding financial strain.

PARTNERS

Yolo County may collaborate with community-based organizations, real estate agents, utility providers, local job training centers, and other units of local government, such as cities to implement this program. To secure additional funding, the County may work with the U.S. Department of Energy and the California Energy Commission to secure funding to support the program on an ongoing basis.

PERSONNEL

In the chart below, please list names, role, and contact information for all project leader(s) and project partners.

Name	Role (Lead or Partner)	Email
Yuridiana Pantoja	Lead	yuridiana.pantoja@yolocounty.org
Kristen Wraithwall	Support	Kristen.wraithwall@yolocounty.org

[i] Bradshaw, J. L., Bou-Zeid, E., & Harris, R. H. (2016). Greenhouse gas mitigation benefits and cost-effectiveness of weatherization treatments for low-income American urban housing stocks. Energy and Buildings, 128, 911–920. DOI: 10.1016/j.enbuild.2016.07.020.

Attachment N – Staff Report on CAAP Dashboard Funding Proposal

STAFF REPORT

DATE: March 25th, 2023

TO: Yolo County Climate Action Commission

FROM: Julia Olsen, Sustainability Analyst

Kristen Wraithwall, Sustainability Manager

RE: Approve Allocation of up to $100,000 of ARP Funds for Climate Dashboard Service for Tracking Implementation of 2030 Climate Action and Adaptation Plan

RECOMMENDED ACTION

1. Receive Update on the Need for a Climate Dashboard for the Yolo County 2030 Climate Action and Adaptation Plan (CAAP).
2. Approve Allocation of up to $100,000 American Rescue Plan (ARP) Funds for a 3-year Climate Dashboard Contract.

REASON FOR RECOMMENDED ACTION

The establishment of a public-facing, interactive Climate Dashboard for the 2030 CAAP is vital to track GHG emissions reductions, strategies, and actions progress, as well as ensure transparency of our progress on climate adaptation and community resilience challenges our frontline communities are facing.

BACKGROUND

At the February 2024 Yolo County Climate Action Commission (Commission) meeting, the Commission approved the draft Strategy, Measure, Action Framework for the 2030 Climate Action and Adaptation Plan. The draft framework included more than 180 individual actions across 40 measures and 10 strategies. Providing transparent, accessible, public-facing information on CAAP implementation progress will require the development of a dynamic and easy-to-navigate online platform. Previous Commission discussions about CAAP tracking platforms have emphasized a need to integrate emissions reduction progress, emissions forecasting, clear visuals, and more into a single system.

Providing clear and visually understandable information for staff, residents, and decision-makers is a challenge, particularly given the enormous scale of the County's

CAAP and the amount of data included in our updated GHG inventories and emissions reduction forecasts.

Due to limited staffing resources and the volume of actions listed in the CAAP, there is a critical need for support in establishing a Climate Dashboard. Identifying a service that integrate climate planning data analytics, real-time scenario building, interactive visualization, and progress tracking and reporting capabilities into a user-friendly dashboard with accessible messaging available in multiple languages will be critical for communicating progress on meeting our net-negative by 2030 goal.

For this reason, staff are requesting approval of up to $100,000 of Climate Action American Rescue Plan (ARP) funds to support this effort. Allocating these funds will enable staff to release a Request for Proposals (RFP) for the development of an interactive CAAP dashboard site, and ongoing programming and technical assistance support for a 3-year period.

County staff have analyzed a wide variety of Climate Action Dashboard services in the development of this budget request. Examples of Climate Action Dashboard services include:

- ClimateView – *see the ClimateOS software features and example dashboard from the City of Milwaukee, respectively*
    - https://www.climateview.global/climateos
    - https://app.climateview.global/v4/public/board/b7b9ec06-dbb5-4d4c-88e8-8ca1b6134765
- Kausal – *see example from the City of Saint Paul*
    - https://climateaction.stpaul.gov/
- Cloudsyte – *see the Cloudsyte demo*
    - https://www.cloudsyte.com/
- BrightAction – *see example of Western Washington University Energy Usage Dashboard*
    - https://energy.dudesolutions.com/?bbID=WWU1DASH#Login

Based on analysis to date, staff feel that start-up costs of approximately $30,000 and annual operating costs of $10,000 are reasonable estimates for this effort. A $100,000 budget will enable County staff to comfortably pursue a Request for Proposals for this effort; un-used funds will be allocated to other CAAP implementation efforts.

AVERAGE START UP COSTS	AVERAGE ANNUAL COSTS
~$30,000	~$10,000

NEXT STEPS

If approved by the Commission, next steps are as follows:

April 9	CAAP Dashboard Request to Board of Supervisors
May/June	Launch RFP for CAAP Dashboard Vendors
Fall/Winter	Launch Tracking Dashboard along with CAAP Adoption

Attachment O – Letter of Support for the SMAQMD Application to the EPA CPRG Grant Program

Climate Action Commission

COUNTY OF YOLO

292 West Beamer St. Woodland, CA 95695
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NJ Mvondo
Chair

Andrew Truman Kim
Vice Chair

April 1, 2024

Dr. Alberto Ayala
Air Pollution Control Officer
Sacramento Metropolitan Air Quality Management District
777 12th Street, Suite 300
Sacramento, CA 95814

RE: Letter of Support for the Sacramento Metropolitan Air Quality Management District's Application for a CPRG Implementation Grant EPA-R-OAR-CPRGI-23-07

Dear Dr. Ayala:

I am writing to express my continued support for *Going Beyond Green: Cultivating Community, Connections, and Crops*, the Sacramento Metropolitan Air Quality Management District's (Sac Metro Air District) grant application to the U.S. Environmental Protection Agency's (EPA) Climate Pollution Reduction Grants (CPRG) notice of funding opportunity. The Yolo County Climate Action Commission has been a strong partner in developing the Yolo County Climate Action and Adaptation Plan, supports the region's Priority Climate Action Plan (PCAP), known as the Capital Region Climate Priorities Plan, and stands ready to support the implementation efforts described in the Sac Metro Air District's application.

The Yolo County Climate Action Commission (YCCAC) is an eleven-member advisory body charged with the development and implementation of the Yolo County 2030 Climate Action and Adaptation Plan (CAAP) and ensuring vulnerable, marginalized, and historically underserved communities are centered in the process. The Commission has developed pilot programs to advance greenhouse gas emissions reductions and aims to create scalable regional models that are relevant to urban and rural jurisdictions alike.

The *Going Beyond Green* project will enable the Yolo County Climate Action Commission to pursue key GHG reduction measures outlined in the Capital Region Climate Priorities Plan, specifically Carbon Farming: NW-4 carbon sequestration/carbon farming. In the process of developing the Yolo CAAP, the Yolo County Climate Action Commission had the opportunity to learn about the challenges and opportunities our agricultural community faces when attempting to implement carbon sequestration practices. Support to growers to implement these practices is currently limited, sporadic, and from varying sources, so locating and obtaining technical assistance or funding represents a burden to our agricultural community. *Going Beyond Green* will support on-farm implementation of practices that sequester carbon such as mulching, compost, and cover crops. This funding will enable the County—and the region—to make substantial progress in achieving our ambitious climate goals. Having worked closely with Yolo County staff on the development of local and regional carbon sequestration programs, we are confident that County staff have the technical expertise, relationships, and capacity to lead the Carbon Farming effort for the Sacramento-Roseville, CA Combined Statistical Area.

We appreciate EPA's consideration of Sac Metro Air District's *Going Beyond Green* grant application. We ask that you fund this important project through the CPRG program this year to assist the Sacramento region in achieving its climate targets. If you have any questions regarding this request, please contact [RELEVANT CONTACT/INFO].

Sincerely,

NJ Mvondo
Chair
Yolo County Climate Action Commission