

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 – 2023.07.24 YCCAC Meeting Minutes



**MEETING MINUTES**  
**Yolo County Climate Action Commission**  
**July 24<sup>th</sup>, 2023 | 4:00 PM – 6:30 PM**

**BOARD OF SUPERVISORS CHAMBERS**  
**625 COURT STREET, ROOM 206**  
**WOODLAND, CA 95695**

**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**) (*not in attendance*)  
Adelita Serena, District 5 Appointee  
Chris White, Technical Lead  
NJ Mvondo, Environmental Justice Lead (**CHAIR**)  
Bernadette Austin, Climate Scientist/Subject Matter Expert  
Pelayo Alvarez, Climate Scientist/Subject Matter Expert (*not in attendance*)  
Mica Bennett – At Large  
Ken Britten – At Large

**EX-OFFICIO MEMBERS:**

Sarah Morgan, Yocha Dehe Wintun Nation  
Camille Kirk, 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 (*not in attendance, represented by Kathleen Moreno and Oliver Snow*)

**MEETING MINUTES**

- 1. Land Acknowledgement** (*Attachment A*) (*S. Reed*)
- 2. Approval of the Agenda**

**Decision:** Approve

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

**Ayes:** S. Reed, R. Datel, M. Aulman, A. Serena, C. White, NJ Mvondo, B. Austin, M. Bennett, K. Britten

**Noes:** None

**Abstain:** None

**Absent:** A. Kim, P. Alvarez

### 3. Public Comment

- Staff read aloud a public comment expressing hopes that wide participation in the new extended CAAP survey will lead to benefits for the community, particularly farmworkers and those most affected by climate change impacts. The commenter recommended watching the July 11<sup>th</sup> Board of Supervisors testimony and to consider bringing forward issues involving commercial wells to the Board. The commenter advocated for climate-focused local nonprofits to push the Biden administration to declare climate change an emergency.

### 4. Approve May 22, 2023 Meeting Minutes

**Decision:** Approve

**Approved By / Seconded By:** S. Reed / M. Aulman

**Ayes:** S. Reed, R. Datel, M. Aulman, A. Serena, C. White, NJ Mvondo, B. Austin, M. Bennett, K. Britten

**Noes:** None

**Abstain:** None

**Absent:** A. Kim, P. Alvarez

#### **Additional Comments/Action Items:**

- No public comment at this time.

### 5. Staff Announcements/Reports (Staff)

- Staff provided a summary from the first round of Climate Action and Adaptation Plan Workshops
- Staff shared that the sign-up list for summer tabling events is available and Staff are accepting suggestions for more events to add to our outreach list.
- Staff provided an update on the Agricultural Equipment Replacement (AER) Program Timeline (*G. James*) (*Attachment D*)
  - It was shared that the AER program is expected to launch in the fall as well as outreach to share information about the project. The application will open in November and close in February 2024. Additionally, there will be technical assistance provided to applicants.
- Staff shared the Summer Tabling and Event Schedule (*J. Olsen*) (*Attachment E*)
  - Staff shared that suggestions for additional workshops should be emailed to [sustainability@yolocounty.org](mailto:sustainability@yolocounty.org).

- A question was asked what content will be available by the time of the October Workshops, such as survey results and draft measures under consideration of being included in the CAAP.
  - Staff responded that the extended CAAP survey will be open through September of 2023, allowing time for responses to be analyzed and used to inform the workshops and help drive targeted discussions on sections of the CAAP.
  - Staff added that there is a separate outreach channel to organize a series of Ag Roundtable Discussions to take place in November.
- A question was asked when community profiles are expected to be available in draft form, and whether the communities profiled will have an opportunity to review.
  - Staff responded that this could be incorporated into the next round of community roundtables and will be discussed when planning the agendas.
- A question was asked if outreach events will be held throughout the entire survey response collection period.
  - Staff shared that they currently have scheduled events through August. It was added that Staff are looking into scheduling more events in September to fill the entire period of survey response collection.
- A comment was made that the outreach events schedule is extremely full and not as geographically widespread as it could be.
- A question was asked if the survey end date could be pushed out to allow for survey collection at Festival de la Comunidad, which takes place on the last week of September.
  - Staff responded that this is a possibility they will look into.
- A comment was left in the chat that suggested collaborating with Latino Outdoors Events.
- It was shared that there is a Yolo Resilience Summit on September 19<sup>th</sup>.
- Staff shared that they have hired two CivicSpark Fellows for the 2023-24 Service Year!
- Staff provided an update on the Community Based Organization (CBO) Partner Selection Process. Staff shared that interviews for new CBO partners will be taking place over the next two weeks. Selection should be finalized by mid-August.
- Staff shared that there will be a discussion on allocations of the last pool of ARP funding on Tuesday, July 25<sup>th</sup> in the Board Chambers Room.

## **6. Update on Technical Advisory Committees (TACs) (10 minutes)**

- Equity and Engagement (E&E) TAC Update (*A. Serena*)

- It was shared that the Equity & Engagement TAC held a meeting to discuss outreach strategies and sharing takeaways from the first series of CAAP workshops.
- It was added that the overall goal is to encourage ongoing engagement, particularly from those that typically face barriers to participation.
- Natural and Working Lands (NWL) TAC Update (*K. Reza, H. Nichols*)
  - It was shared that the Natural and Working Lands Technical Advisory Committee did not meet in July to make space for the Working Lands survey launch. At the last TAC meeting the group reviewed interview questions for one-on-one interviews with County growers. It was added that the original deadline for the Working Lands survey is being extended to better cooperate with the busy summer growing season. It was added that one-on-one grower interviews are underway.
  - A question was asked regarding what the current approach is with Natural Lands, such as federal lands in reserves within the County.
    - It was shared that focus has so far been centered around the Working Lands of the County, and that Natural Lands strategies have not yet been developed.
  - A comment was made that the net-negative goal requires more than sequestration strategies. It was suggested to include more language around ecosystem restoration and nature-based solutions for carbon removal in outreach efforts.
  - It was asked which TAC would be best to host these discussions with farmworkers.
    - Staff responded that one of the E&E TAC is in a role that supports and advocates for farmworkers. It was added that the E&E TAC has discussed the possibility of Hazard Pay as an option when farmworkers are working in extreme conditions. It was added that the TAC groups could collaborate to discuss solutions to farmworker marginalization.
  - A comment was made that the workshop summary noted that Yocha Dehe Tribe has asked for more involvement in the CAAP process.
    - Staff responded that one of the NWL TAC members is staff with Yocha Dehe. It was added that coordination with the E&E TAC on overlapping topics would be an effective strategy to ensure gaps are filled in future outreach efforts and strategizing.
    - A comment was made that the Tribe is actively participating in the Natural and Working Lands TAC, emphasizing that these partnerships are important to making sure climate impacts felt by the Tribe and rural parts of the County are addressed in the CAAP.

**7. Receive Update on Launch of Climate Action and Adaptation Plan Surveys (K. Wraithwall, H. Nichols, K. Reza) (Attachments F, G, H, I) (30 minutes)**

- Natural and Working Lands Outreach Survey (*Attachments F, G, H*)
  - An update was provided on outreach efforts for the Working Lands CAAP Survey. It was shared that the online survey has been launched on the County's website, along with an active social media push. It was added that RCD is reaching out to local farming organizations to spread this survey via their network channels. It was added that the priority of this survey is to gain an understanding of what emissions reduction and sequestration strategies are currently in place within the County, along with what strategies are feasible, and what barriers exist that are preventing the implementation of more strategies.
- Extended CAAP Survey (*Attachment I*)
  - Staff shared that the English and Spanish versions of the Extended CAAP Survey are available

**Public Comment:**

- A question asked if Tier 4 tractor replacements are going to be as efficient as switching to fully-electric vehicles.
  - Staff responded that Tier 4 tractors are tractors with efficient engines. It was added that current electric tractor models are not viable for farming operations.
  - It was added that Tier 4 engines primarily focus on reducing diesel particulate matter, reducing air pollutants. It was added that fully electric replacements are currently focusing on on-road vehicles.

**8. Receive Update on Greenhouse Gas (GHG) Inventory Methodology (M. Hendrix) (Attachment J) (30 minutes)**

- An update was provided on the GHG Inventory methodology. It was shared that there are three inventories being done for Yolo County as part of the CAAP, including a municipal inventory, a community-wide inventory, and a consumption-based inventory.
- A comment was made that the technical report does not cite the origin of data used. It was asked how raw data points used for calculations are gathered.
  - A response was made that data collection takes up about 80% of the inventory's work. Data has been collected from water districts, utilities, solid waste intake, vehicle miles traveled within the County, and more.
- A question was asked how estimates on emissions from off-road equipment use is calculated.
  - A response was made that data is gathered on how many pieces of equipment are in use in the county and how often they are used.
  - Staff added that the Working Lands survey includes a question about what equipment use levels exist in the County, although this is a difficult



point to gather data on and many of the results will have to result to estimates.

- A question was asked for more information on how methane is being handled and the degree to which in Yolo County we could identify the sources of methane emissions and ways to reduce them.
  - A response was made that methane emissions from solid waste are tracked through decomposition at the Landfill. It was added that tracking other sources of methane, such as rice cultivation, riparian habitat decay, and other natural (biogenic) sources of methane emissions is an evolving science.
  - A question was asked whether this would be included in the inventory.
    - It was shared they are trying to get as accurate of a picture as possible of methane emissions given the state of the evolving science.
- A question was asked regarding whether data on gravel-mining trucks within the County could be shared.
  - It was shared that the ultimate solution to emissions from carbon-based fuel emissions is electrification
  - A question was asked about what collaboration would be needed to deal with the impact of that. The efficiency of the Landfill and whether there are available credits for emissions reductions was also asked about.
- A comment was made on the rice production system and that the methane produced from that can be pipelined into the Landfill.
  - A response was made that one of the issues with hydrogen is getting fuel positions right, but with gravel mining trucks could be efficient.
- A question was asked if there is a way to point to the geographic origin when inventories are done. This was asked because there have been questions about emissions related to specific locations, such as I-80, and if there is a way to track emissions to highway-based locations.
  - It was shared that yes, it is possible to look at vehicle miles traveled (VMT) within the County. The only data that can't be tracked is passing-through traffic through Yolo County, but they can estimate emissions when there is a start and end point for VMT, which will help give an estimate of where to build charging stations.

**Public Comment:**

- A question was asked if the inventory that is currently being done will include data for the year 2023. This was asked due to an interest in the GHG emissions reductions from electricity since the County's increase of electric accounts that were not 100% renewable in 2022. An assumption was shared that in 2023, all accounts would be 100%

renewable. It was shared that at VCE's meeting last week, their new goal transitioned from 85% renewable to 100% by 2030.

- It was shared that a municipal inventory for 2023 cannot be done as we are in the middle of 2023, so the data needs to be available well before the end of 2023 which is not possible given the timeline of the planning process. The hope is to have a comprehensive inventory for 2022 and to not go prior to that as it teeters into the slowed pandemic economy.

**9. Action: Consider Support for Governor's Office of Planning and Research Regional Resilience Grant Application (K. Wraithwall) (Attachment K) (15 minutes)**

- Staff provided an update that they are in the process of applying to the Governor's Office of Planning and Research Regional Resilience Grant Application.
- It was shared that the grant program seeks to support and promote regional collaboration and there is a high interest among neighboring agencies for this type of work. This grant application hopes to seize this funding opportunity from OPR to get us to a point where we have a successful, funded collaborative structure.
- It was asked how much money the grant is proposing.
  - Staff responded that the award amount is around \$350k.

**Decision:** 1. Approve support of the application.

**Approved By / Seconded By:** K. Britten / M. Aulman

**Ayes:** S. Reed, R. Datel, M. Aulman, A. Serena, C. White, NJ Mvondo, B. Austin, M. Bennett, K. Britten

**Noes:** None

**Abstain:** None

**Absent:** A. Kim, P. Alvarez

**Decision:** 2. Approve the Chair and Co-Chair providing letters of support

**Approved By / Seconded By:** S. Reed / R. Datel

**Ayes:** S. Reed, R. Datel, M. Aulman, A. Serena, C. White, NJ Mvondo, B. Austin, M. Bennett, K. Britten

**Noes:** None

**Abstain:** None

**Absent:** A. Kim, P. Alvarez

**Additional Comments/Action Items:**

- A commenter noted the request to support the allocation of groundwater or a temporary moratorium and asked if this is a possible future agenda item.

- Staff said that this can be added to a future meeting or held as a conversation with the Board.
- A representative of the Board shared that this item is not on the Board agenda for tomorrow.

**Public Comment:**

- It was noted that there is no funding plan to electrify homes and the County should start on that process soon and encouraged a discussion on that as it fits in with the overall allocation of money from ARP funds.

**10. Commission Member Reports, Comments, Future Agenda Items**

- It was shared that ex-officio commission member Camille Kirk will be moving to southern California to take on her new role as Sustainability Director at the Getty Center.
  - It was shared that there will be an interim director in her place until a full-time replacement is found.
  - Staff shared gratitude for Camille’s leadership in regional coordination.
  - C. Kirk shared the following links: [Farewell and Appreciation for Camille Kirk | Campus Planning and Environmental Stewardship \(ucdavis.edu\)](#) and [Camille Kirk | LinkedIn](#)

**11. Commission Correspondence (*Attachment L*)**

**12. Long Range Calendar (*Attachment M*)**

**13. Adjournment**

- Meeting adjourned at: 6:30 PM
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Attachment C – Introduction of CAAP Community Outreach Partners



September 25, 2023

# Introduction to the CAAP Community Outreach Partners



**Adelita Serena**

*Chair, Equity and Engagement Technical  
Advisory Committee (E&E TAC)*

# Community Outreach Partner Role



The Yolo County Climate Action Commission recruited Community Outreach Partners to **build and maintain relationships with the Yolo County community** throughout the CAAP development and implementation process, with a particular focus on the unincorporated area.

## Partners support the following outreach goals:

- **Engaging the community** in the unincorporated area of Yolo County in the CAAP development and implementation process.
- **Providing input on outreach activities and communications strategies** that will promote and support community engagement in CAAP development and implementation.
- Interacting with communities and **generate input on strategies, policies, and programs** that will support a Just Transition to a net-negative and sustainable Yolo County.

# Center for Land-Based Learning



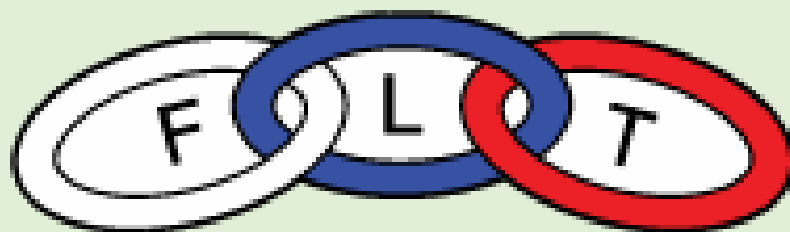
# Cool Davis



**COOL**  
**DAVIS**



# Davis Odd Fellows



Davis Odd Fellows

# Yolo Food Bank



Attachment D – Presentation on Food System and Consumption Based Inventory



# Food System and the Consumption-Based Inventory

COUNTY OF YOLO

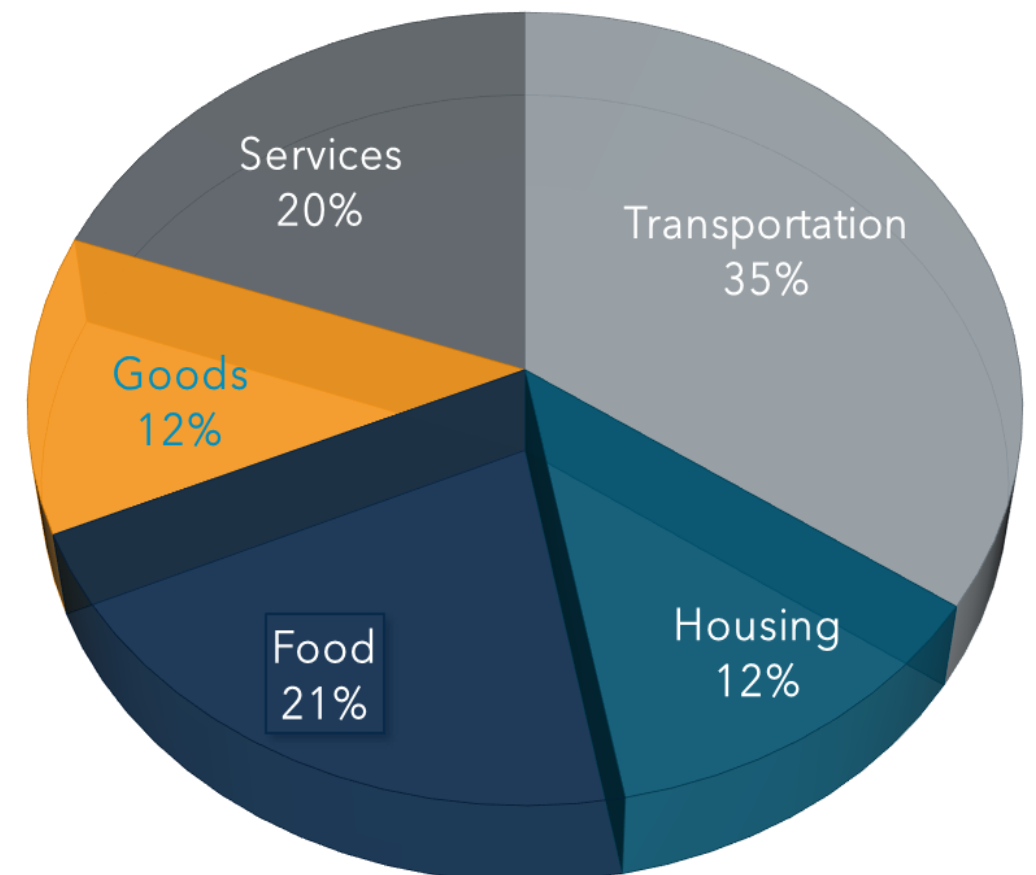
**PRESENTED BY DUDEK TEAM**

**SEPTEMBER 25, 2023**

# Consumption – Food Overview

## YOLO COUNTY CONSUMPTION BASED INVENTORY

- Consumption Based Inventory Purpose
  - Provide households within the County information on their carbon footprint and how they can reduce it.
- Food
  - At 21 percent, food is the second highest source of emissions within the Consumption-based inventory.

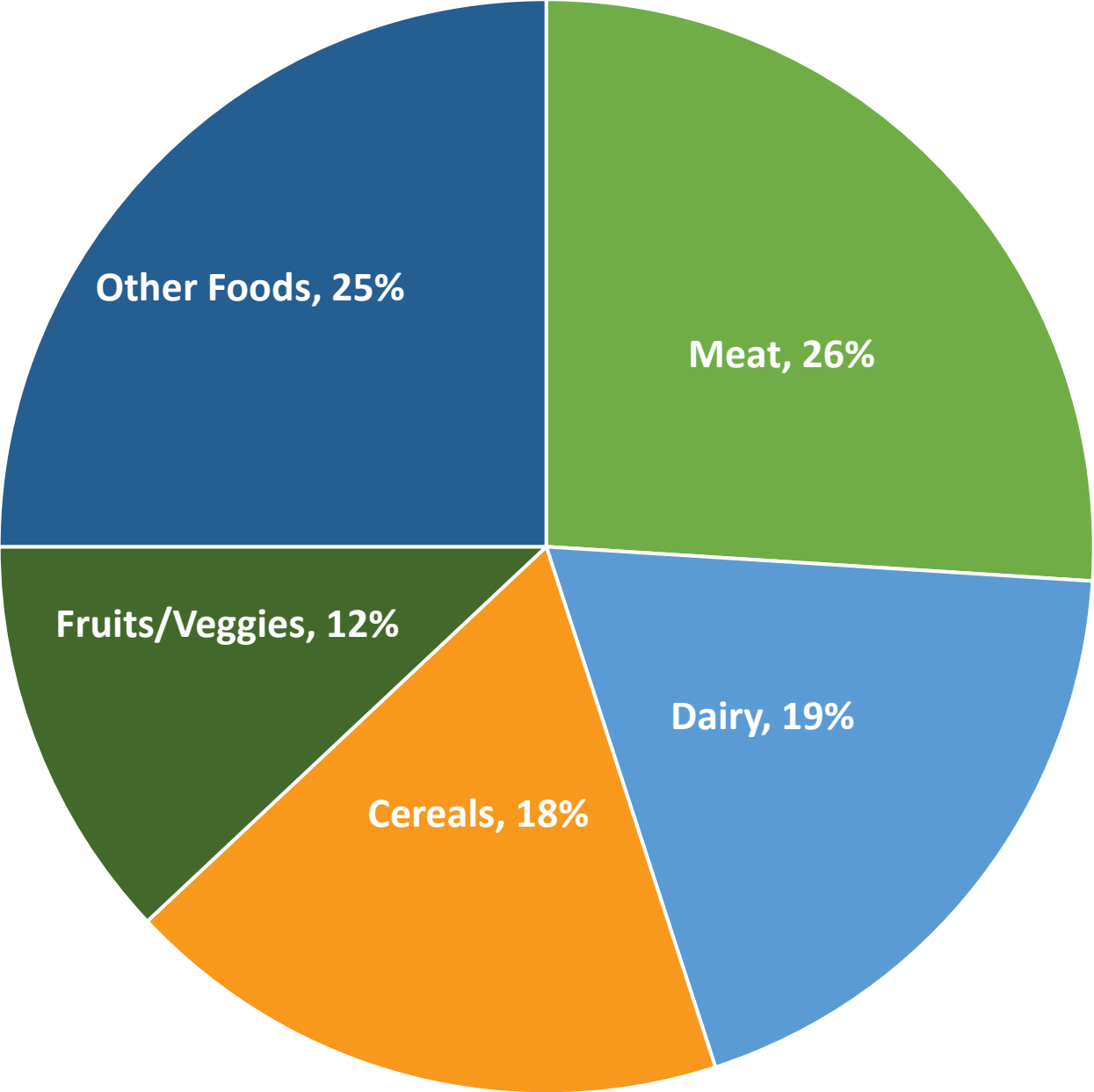


# Consumption – Food Emission Sources

- Planting and harvesting emissions
  - Farm equipment
  - Irrigation water
  - Fertilizer
- Food processing emissions
  - Sorting, washing, cleaning
  - Other processes
- Food transport emissions
- Wholesale and retail phase of food
- Food waste disposal



# Consumption – Food Inventory Types



# Consumption – Food Overview

- Meats are not all the same
  - Pound for pound beef production generates 13 times more GHGs than chicken
    - One pound of beef = 31 pounds of CO<sub>2</sub>e
    - One pound of chicken = 2.5 pounds of CO<sub>2</sub>e
    - One pound of wheat = 1.14 pounds of CO<sub>2</sub>e
  - One reason for the high GHGs associated with beef is that grazing and feedlots require 243.3 acres of alfalfa and grazing lands per butchered cow.
  - The same amount of land would produce 678,807 pounds of harvested wheat.





# Consumption – Food Overview

- Recommendations

- Buy local foods when possible
- Eat more grains, fruits, and veggies
- Eat less red meat



# Questions?

Thank you for your time and attention.

Attachment E – Presentation on Yolo County Integrated Waste Management Division and SB 1382 Implementation

PLACEHOLDER – TO BE SHARED AT COMMISSION MEETING

Attachment F – Presentation on Yolo Food Hub Development

SEPTEMBER 25TH, 2023

# Yolo Food Hub Network

Presentation to the Yolo County  
Climate Action Commission



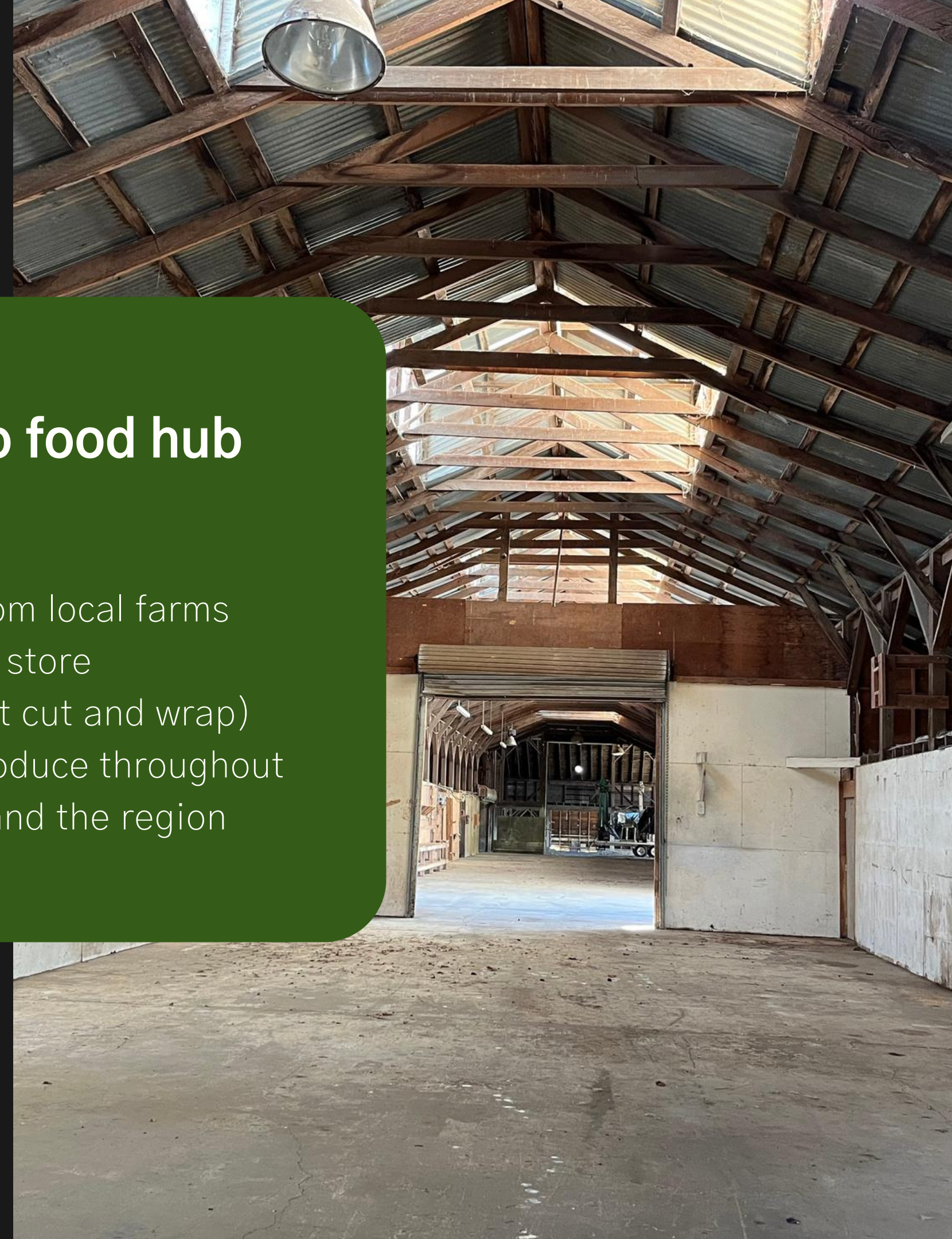


# What is the Yolo Food Hub Facility and what will it do?

## The Esparto food hub facility will:

- Aggregate from local farms
- Pre-cool and store
- Process (light cut and wrap)
- Distribute produce throughout Yolo County and the region

The Yolo Food Hub Network facility includes a 100+ year old barn that will be renovated





# What is the benefit of a hub network?



- Shared processing facility → value-added product development



- Shared cold storage and trucking/backhauling → increased volumes and lower VMT



- Collaborative crop planning with buyers → precommitments and pricing improvements



# Who is part of the Yolo Food Hub Network?



The Yolo Food Hub Network functions as one partner within a broader network of food hubs, farmers, nonprofit partners, and other stakeholders in Yolo County.



# Design of the Yolo Food Hub Network Facility





# Sustainability is a focus

**We want the facility to be a model for renovation and innovation**

- Alternative water supplies, including reuse, rainwater, and stormwater
- Energy efficiency and resilience, including rooftop/canopy PV, battery storage systems

# Adaptation Goals of the Facility

...

## Water-related goal

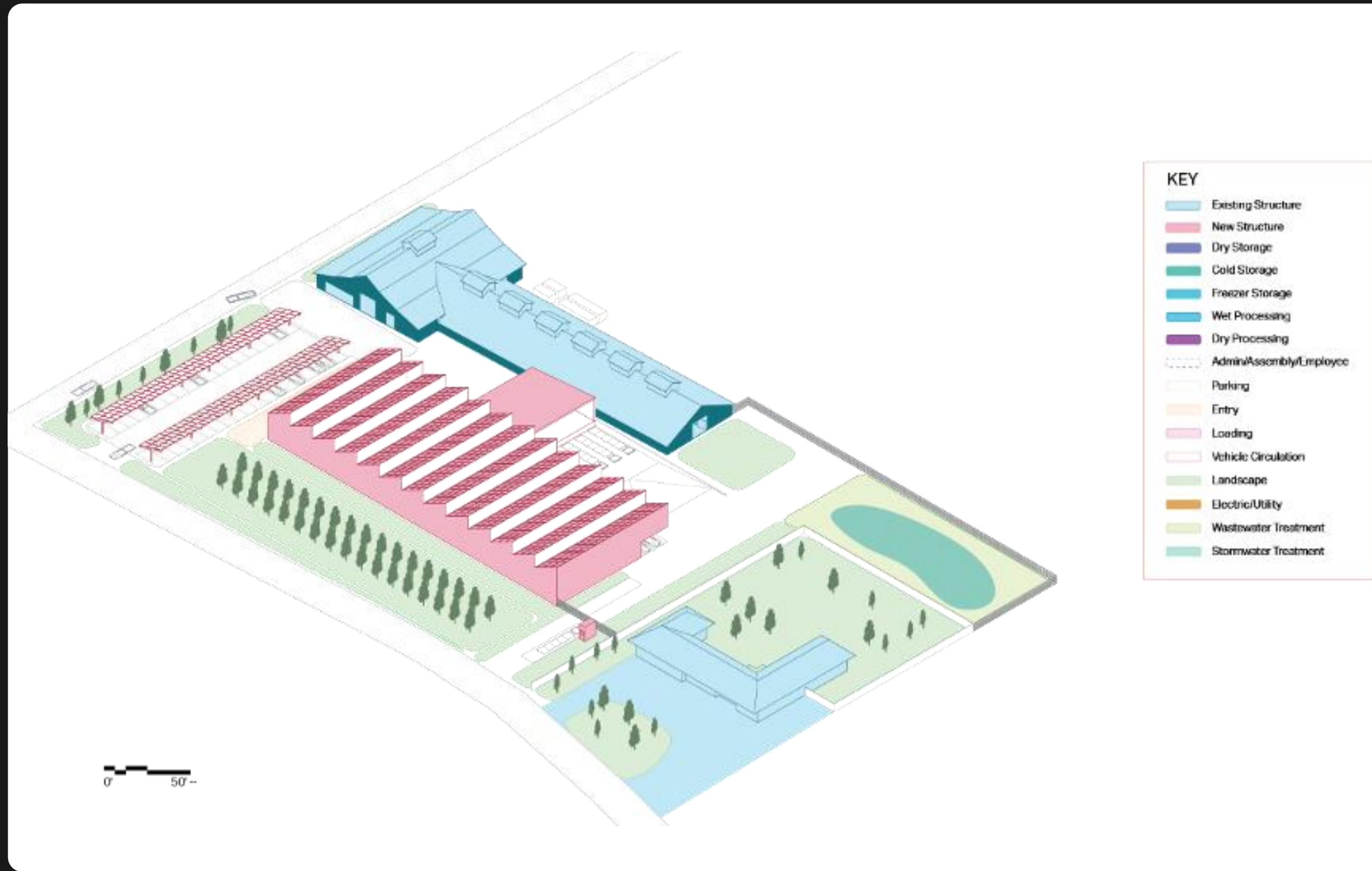
- Supply 100% of the project's water needs through captured precipitation or other natural closed-loop water systems, and/or through recycling used project water.

## Energy-related goal:

- Supply 100% of the project's energy needs through solar and on-site battery energy storage systems.

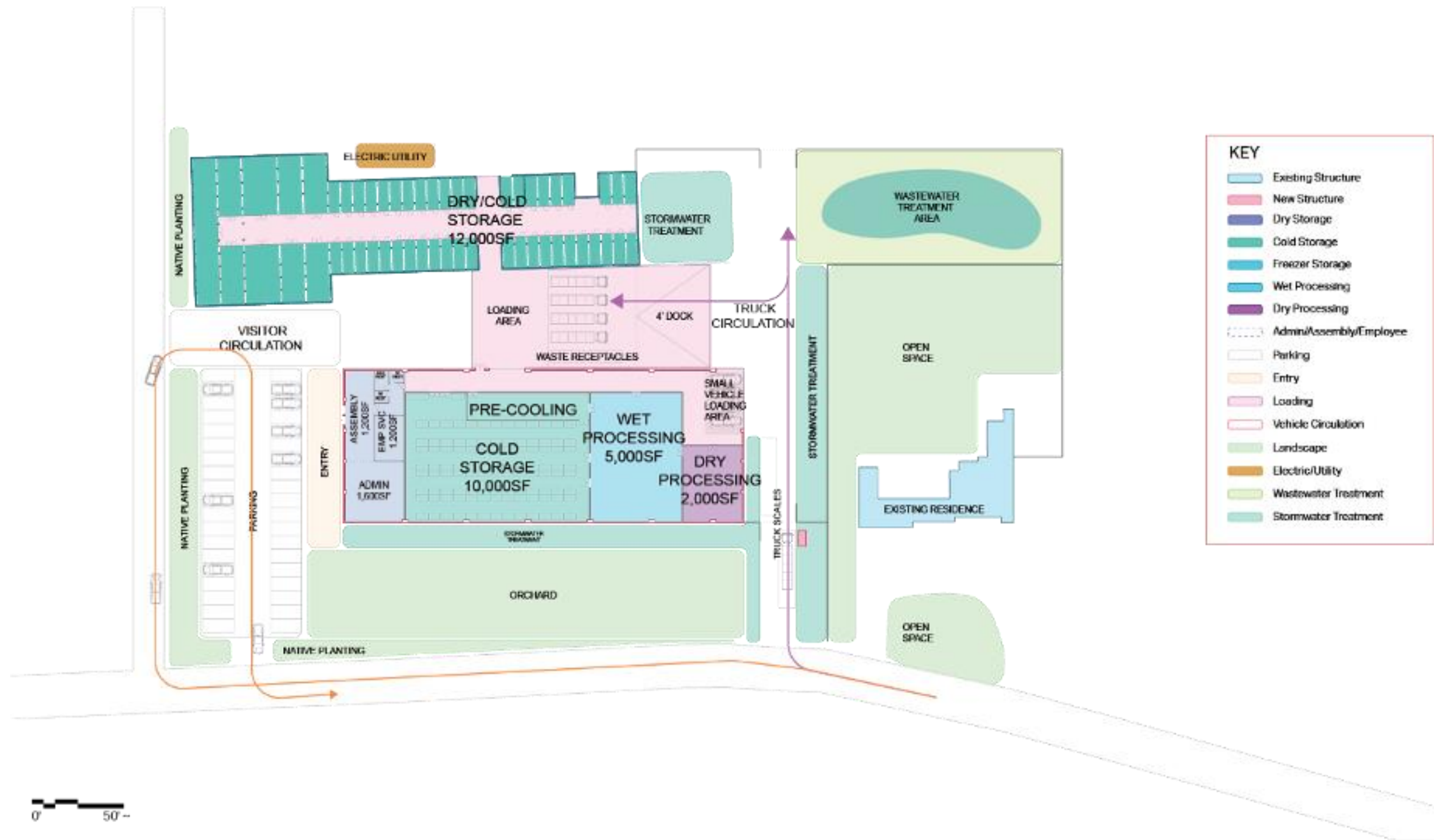


# Draft design



The construction and renovation will occur in stages

# Draft design



The construction and renovation will occur in stages



# **Taking the facility to the next level**

**Electric truck charging**

**Low-GWP refrigerant  
technologies**

**Independent microgrid**





# Thank you!

Please contact me with  
any questions

**Grace Kaufman**



Project Leader

[Grace.Kaufman@valleyvision.org](mailto:Grace.Kaufman@valleyvision.org)



Attachment G – Presentation on CAAP Strategy Framework



# Climate Action & Adaptation Plan Framework

COUNTY OF YOLO

**PRESENTED BY DUDEK TEAM**

**SEPTEMBER 25, 2023**

# Overall Structure

- Strategies

- High-level strategies that encompass all GHG emission and adaptation sectors relevant to achievement of the County's CAAP objectives

- Measures

- Measures are focused on the sector- or sub-sector-specific objectives that are achieved through individual implementing actions.

- Actions

- Individual actions, which are specific policies, programs, or tools to be implemented.
- The actions will include activities that can be documented and used in monitoring progress toward the implementation of the Measures and Strategies.



# Draft Strategies

*Equity considerations are woven into each strategy*

1. Decarbonize Transportation and Equipment
2. Reduce Vehicle Miles Traveled
3. Decarbonize Energy and Buildings
4. Conserve Water
5. Minimize Waste
6. Encourage Sustainable Agriculture
7. Sequester and Store Carbon in Natural and Working Lands
8. Reduce Carbon Footprint of Consumption and Production
9. Build Resilient Infrastructure and Healthy Communities

*NWL strategies in development with NWL TAC - to be discussed with Commission in October.*



# Phasing

- Successful CAAP implementation will happen over years.
- Given the County's ambitious GHG emission reduction goal (i.e., carbon negative by 2030), the CAAP will include a comprehensive set of actions that will need to be implemented as soon as possible.
- However, the significance of specific actions as well as certain constraints (e.g., availability of funding, feasibility of technology), will require intentional phasing and prioritization of the available actions.
- Implementation of the CAAP will be organized into three main phases:
  - **Phase 1: 2024 to 2027**
  - **Phase 2: 2027 to 2030**
  - **Phase 3: 2030 to 2045**



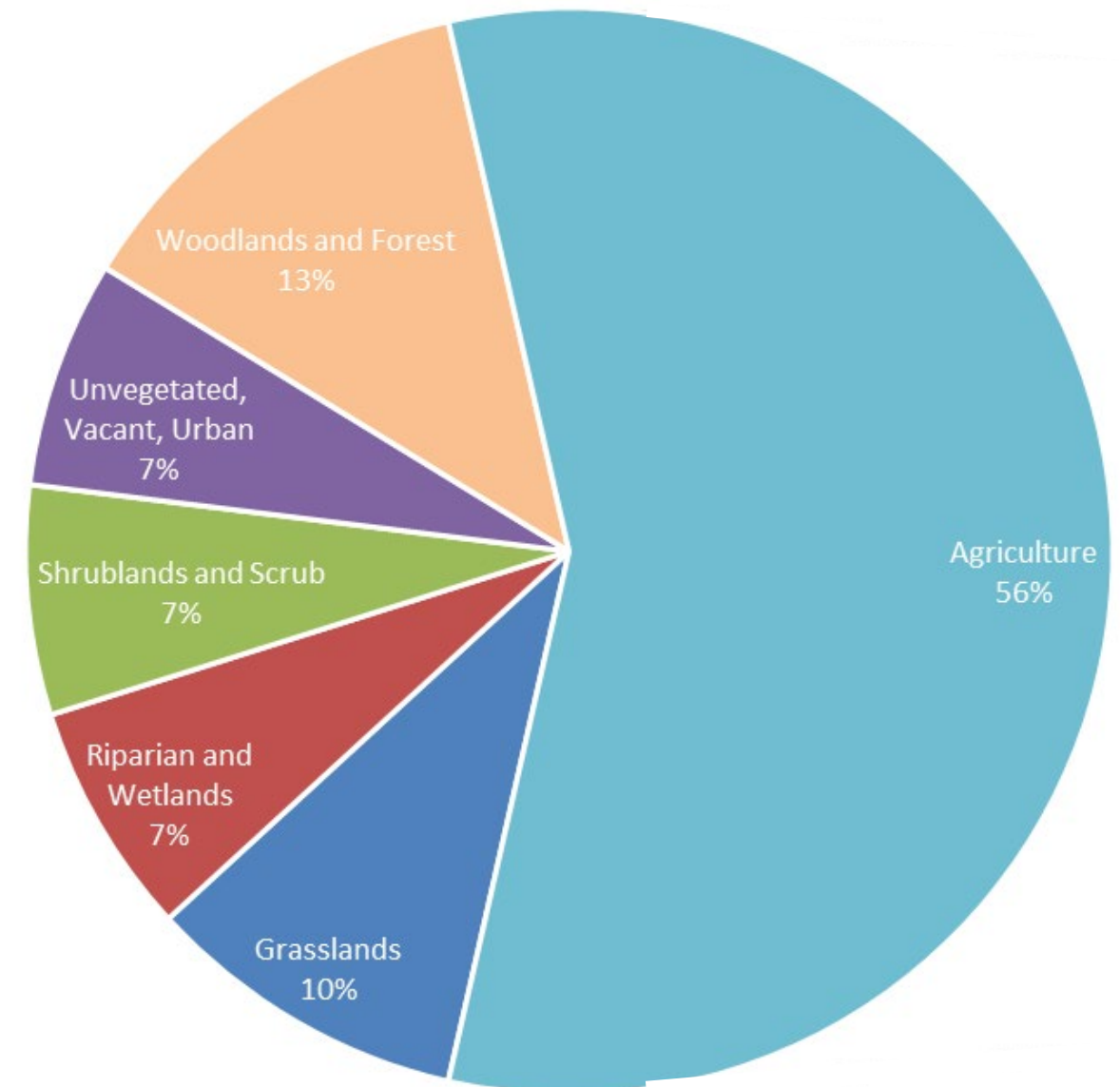
# Prioritization

- Actions can be prioritized based on a variety of criteria that assess suitability for achieving overall goals.
- Nine criteria identified as important considerations for action prioritization:
  1. Greenhouse Gas Reduction Potential/Adaptation Value
  2. Foundational/Unlocking
  3. Cost-Effectiveness
  4. Funding Available
  5. Enhance Equity
  6. Co-Benefits
  7. Community Interest
  8. Technologically Feasible
  9. Local Governance & Control
- Not all criteria are of equal importance and will be weighted appropriately.



# Natural and Working Lands Strategies

- DRAFT Strategies relevant to the County's NWL pending NWL TAC/RCD input:
  - Encourage Sustainable Agriculture
  - Sequester and Store Carbon in Natural and Working Lands
- Data Collection
  - GIS Land Cover Distribution
    - Majority working lands
    - Subtypes for quantifying sequestration potential
  - Working Land Surveys
    - Current practices
    - Barriers or challenges
    - Incentives
    - Overall feasibility
  - RCD Outreach for Natural Lands
    - Specific locations to prioritize
    - Past/ongoing efforts
    - Coordination with relevant responsible parties





# Natural and Working Lands Strategies

- Leverage Current Ongoing Efforts:
  - Local (e.g., early actions, Agricultural Conservation Priority Plan)
  - State (e.g., CARB Scoping Plan, CNRA Climate Smart Strategy)
- Measure and Action Development
  - Working Lands
    - Emission reduction measures (i.e., equipment, energy, water use)
    - Carbon sequestration measures, USDA NRCS conservation practice standards
    - Avoided Conversion and Preservation
    - Informed by survey results
  - Natural Lands
    - Habitat Restoration
    - Support Sustainable Land Stewardship
    - Avoided Conversion/Habitat Preservation
- Will require coordination with relevant responsible parties



Questions?

Thank you for your time and attention.

Attachment H – Staff Report on CAAP Strategy Framework

## STAFF REPORT

**DATE:** September 21, 2023  
**TO:** Yolo County Climate Action Commission  
**FROM:** Kristen Wraithwall, Sustainability Manager  
Jennifer Reed, Dudek  
Cc: Jane Gray, Sarah Halterman, Rose Newberry, Henry Eckold, Dudek;  
Michael Hendrix, Michael Hendrix Consulting  
**RE:** Yolo County Climate Action and Adaptation Plan Framework

### RECOMMENDED ACTION

1. Receive update on proposed Climate Action and Adaptation Plan (CAAP) Framework from the Dudek Team.
2. Provide input on proposed CAAP Framework.
3. Approve CAAP Framework.

### REASON FOR RECOMMENDED ACTION

The strategy framework will set the foundation for the development of the draft CAAP, and more immediately, draft strategies for discussion at the November Yolo County Climate Action Commission (Commission) Meeting. Providing input on and approving this framework will allow Dudek to proceed with developing draft strategies.

### BACKGROUND

To achieve the County's greenhouse gas (GHG) emission reduction and resiliency goals, the CAAP will include a suite of strategies, measures, and actions that together comprise the roadmap for implementation. Given the breadth of actions and measures that are required to achieve the County's ambitious GHG emission reduction target, the Dudek team has developed the following framework to establish the approach for identifying and organizing the CAAP initiative components.

The initiative framework identifies broad strategies that reflect the overarching action and adaptation objectives of the CAAP, integrates adaptation into action as relevant, appropriately prioritizes actions to focus staff and community efforts, and positions the County for progress towards achieving their GHG emission reduction and resiliency targets.

## **INITIATIVE FRAMEWORK**

The CAAP initiative framework contains three main components that organize the County’s plan for achieving their emission reduction and resiliency objectives. These components include strategies, measures, and actions, which are described in the following sections.

### Strategies

The first component of the CAAP initiative framework are the high-level strategies that encompass all GHG emission and adaptation sectors relevant to achievement of the County’s CAAP objectives. The nine strategies identified for the County’s CAAP are listed below. The strategies are generally grouped by emissions sector categories and are presented as statements that reflect the ambitions of the plan. The ninth strategy represents resilience strategies that do not relate to an emissions sector.<sup>1</sup>

1. Decarbonize Transportation and Equipment
2. Reduce Vehicle Miles Traveled
3. Decarbonize Energy and Buildings
4. Conserve Water
5. Minimize Waste
6. Encourage Sustainable Agriculture
7. Sequester and Store Carbon in Natural and Working Lands
8. Reduce Carbon Footprint of Consumption and Production
9. Build Resilient Infrastructure and Healthy Communities

Equity considerations are woven into each strategy. In the introduction for each strategy, equity issues and solutions will be noted. Each strategy introduction will also include an expanded description that explains what each strategy aims to achieve, relevant past and current County efforts, and alignment with state initiatives. Survey and community outreach/workshop feedback will also be summarized for each strategy.

Strategies 6 and 7 relate to Natural and Working Lands (NWL) and are draft strategies pending review from the NWL Technical Advisory Committee and the Yolo Resource Conservation District (YRCD).

### Measures

Each of the nine strategies presented above will be further organized by relevant measures to achieve the given strategy. Measures are focused on the sector-, or sub-sector–specific objectives that are achieved through individual implementing actions, described below. For each measure, co-benefits will be noted along with the estimated GHG reduction or sequestration potential for the following milestones: 2027, 2030, 2035,

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<sup>1</sup> Many resilience strategies also reduce GHGs and will be included in their respective emissions strategy.

2040 and 2045. Various performance objectives or tracking metrics will be identified for each measure to assess the success of implementation.

### Actions

The third component of the initiative framework are individual actions, which are specific policies, programs, or tools to be implemented. The actions will include activities that can be documented and used in monitoring progress toward the implementation of the Measures and Strategies. Each action will include a responsible implementor and performance standards that are designed to be quantified for GHG emissions reductions or resiliency, as appropriate to be tracked by the implementing department. In addition, each action will include: partners (noting municipal or community), approximate cost, and if the action is quantitative or qualitative. Funding opportunities will be identified for actions as well; however, a separate section will be dedicated to available funding.

Actions will be prioritized into implementation phases based on the methodology described below.

### Phasing and Prioritization

Successful CAAP implementation will happen over years. Given the County's ambitious GHG emission reduction goal (i.e., carbon negative by 2030), the CAAP will include a comprehensive set of actions that will need to be implemented as soon as possible. However, the significance of specific actions as well as certain constraints (e.g., availability of funding, feasibility of technology), will require intentional phasing and prioritization of the available actions, as described below. The CAAP includes a phasing plan to help guide the County through implementation and create a pathway the County can follow as technology and funding opportunities become available.

#### *Phasing*

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

- **Phase 1:** 2024 to 2027
- **Phase 2:** 2027-2030
- **Phase 3:** 2030-2045

Phase 1 of CAAP implementation represents the foundational period, characterized by actions that will help the County achieve its first milestone, which is the interim checkpoint of 2027. Phase 2 will also include foundational actions and those necessary for achieving the 2030 goal of net negative carbon emissions. Phase 1 and Phase 2 are intended to capture critical actions that are feasible now, and those that need to occur for the success of future actions.

Phase 3 includes the 15-year period between the County's 2030 goal and the State's carbon neutrality goal and represents future years of CAAP implementation and progress toward long-term goals. Given the uncertainty of future technology, regulations, and

funding opportunities, Phase 3 is intended for actions to achieve meaningful long-term progress that may not be prioritized first due to unknowns or future considerations.

The CAAP will be a living document and the phasing described above will allow the County to assess progress and adjust measures and goals to align with future technologies and programs as they become available.

### *Prioritization*

Actions can be prioritized based on a variety of criteria that assess suitability for achieving overall goals. Together with a defined scoring mechanism, the prioritization scheme provides an intentional roadmap for CAAP implementation. Below are nine criteria identified as important considerations for action prioritization.

It is important to note that while these nine criteria are identified as central to assessing prioritization, they are not of equal importance. For example, an action that is required to be implemented first so subsequent actions can build from it is more important than co-benefits, which most actions achieve. As such, each criterion will include an internal weight to appropriately calibrate the prioritization process.

1. **Enhance Equity:** Considers if the action enhances equity for disadvantaged populations and provides for a fair distribution of benefits/services.
2. **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.
3. **Foundational/Unlocking:** Actions that are necessary for the implementation of future actions.
4. **Cost-Effectiveness:** High-level cost and savings to the County government, residents, and businesses with implementation of the action.
5. **Funding Available:** Assesses whether adequate funding exists, and if barriers or challenges will prevent funding.
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)
7. **Community Interest:** Reflects if the community expressed interest in this action through outreach and engagement efforts.
8. **Technologically Feasible:** If technology to implement the action is available now, soon, or in the future.
9. **Local Governance & Control:** If the County has local control over the action or if it requires state or federal action or funding.

Each of the actions proposed for the County's CAAP will be evaluated based on the nine criteria listed above using a simple 1 to 3 point-scale scoring with associated definitions tailored to each criterion. Examples including the following (subject to revisions):

- GHG reduction potential/adaptation value may be defined as 3 points = high, 2 points = medium, and 1 point = low or not quantifiable
- Enhance equity may be defined as 3 points = good, 2 points = neutral, and 1 point = counterproductive
- Technologically feasible may be defined as 3 points = now (2024), 2 points = soon (2024-2030), and 1 point = future (2030+).

Points will be assigned for each criterion based on the Dudek team's professional experience and understanding of each proposed action, with input from the Technical Advisory Committees (TACs), Commission, and County Staff. The proposed point system is intentionally straightforward and transparent to avoid nuance. While this prioritization scheme will be used to evaluate each action in the County's CAAP, it is largely 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.



Attachment I – 2023 Long Range Calendar

## Yolo County Climate Action Commission

Long Range Calendar 2023

UPDATED – September 20, 2023

Month	Topics
January	Update on Yolo County Storm Response and Recovery
February	Discussion on Outreach Materials to Ag Community ( <i>Interview Questions + Sequestration Strategies</i> ) Discussion on Carbon Sequestration Methodology Discussion on Consumption-Based Inventory
March	Establishing Technical Advisory Committees Discussion on Equity Engagement Strategy and Communications Plan Outline Revisit Yolo Agricultural Equipment Retrofit Program Early Action Project
April	Begin In-Person Outreach Events for Climate Action and Adaptation Plan Update on Outcomes of First Round of Tabling Events Introduce Equity and Engagement (E&E) Technical Advisory Committee (TAC) Introduce Natural and Working Lands (NWL) TAC
May	Update to Board of Supervisors (BOS) on ARP Progress Yolo Agricultural Equipment Retrofit Program Early Action Project to BOS Solicitation for Community Outreach Partners Launches Review CAAP Online Portal Review Expanded CAAP Survey Review Agenda for In-Person CAAP Workshops
June	Commission Meeting Cancelled Solicitation for Community Outreach Partners Closes First CAAP Workshop Series   June 20, 21, and 22
July	Second Round of CAAP Tabling Events Launches Expanded CAAP Survey Launches Working Lands Outreach Survey Launches Discussion of Greenhouse Gas Inventory Methodology Consider Support for Regional Resilience Planning Grant Application
August	Commission Meeting Cancelled Second Solicitation for Community Outreach Partners Opens
September	Introduction of Selected Community Outreach Partners Review Framework for Emission Reduction and Adaptation Strategies Discussion of Food System and Connection to Consumption-Based Inventory: <i>Presentations from Integrated Waste Management Division (SB1383) + Valley Vision (Yolo Food Hub)</i> Expanded CAAP Survey Closes – September 22 <sup>nd</sup>
October	Working Lands Outreach Survey Closes – October 13 <sup>th</sup> Review NWL Strategy Framework Review Draft Emission Reduction and Adaptation Strategy List Review Draft Agenda for Community Conversations
November	Discussion on Commission Term Renewals and Leadership Second CAAP Workshop Series – Community Conversations CAAP Table of Contents
December	Agricultural Community Roundtables

Attachment J – Presentation on CAAP Timeline Moving Forward



# Update on CAAP Timeline Moving Forward



September 25, 2023

# TIMELINE MOVING FORWARD



## • SEPT 2023



Survey officially closes Sept 30<sup>th</sup>.

- Dudek to provide high-level *framework* for GHG reduction + adaptation strategies to share with Technical Advisory Committees (TACs) + Commission for review.

## • OCT 2023



Finalize schedule for workshops + begin advertising workshops.

- E&E TAC + Commission to review draft agendas for next round of CAAP workshops.
- Commission to review NWL Strategy Framework
- Dudek to provide complete list of draft strategies.
  - TACs + Commission to review draft strategies.
  - Interdepartmental "Green Team" (ie. General Services, Public Works, Emergency Services, Natural Resources, Public Health, etc.) to review strategies.
- Dudek to incorporate input into updated strategy list for discussion at workshops.



= *Engagement Opportunity for Outreach Partners*

# TIMELINE MOVING FORWARD cont.

- NOV 2023

- ☀ Host community workshops (a.k.a. “Community Conversations”). Tentatively aiming for eight (8) in total at varying days of the week/times of day:
  - One in each of the four cities:
    - *Davis*
    - *West Sacramento*
    - *Winters*
    - *Woodland*
  - Three in partnership with Citizens Advisory Committees in unincorporated area:
    - *Clarksburg*
    - *Dunnigan*
    - *Guinda*
  - One Fully Spanish-Language workshop at the Madison Migrant Center

- DEC 2023

- ☀ Agricultural Community Roundtables (ie. *ag-focused workshops*)

# TIMELINE MOVING FORWARD cont.



- **MAR/APR 2024**
  - Draft CAAP finalized/ready for review by Technical Advisory Committees + Commission.
- **APR 2024**
  - ☀ Community Workshops (*number TBD*) to provide input on CAAP draft.
- **SUMMER 2024**
  - Final CAAP to go before TACs, Commission, and Board of Supervisors
- **SUMMER 2024**
  - CAAP Implementation Begins!
  - ☀ Share CAAP Executive Summary + Strategies widely.