



# CONTRA COSTA COUNTY

## AGENDA

### Sustainability Committee

Supervisor John Gioia, Chair  
Supervisor Federal D. Glover, Vice Chair

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Thursday, December 12, 2024

1:00 PM

**\*\* SPECIAL MEETING \*\***

11780 San Pablo Ave., Ste. D,  
El Cerrito, CA 94530 |

190 East 4th Street,  
Pittsburg, CA 94565

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#### ZOOM LINK

<https://cccounty-us.zoom.us/j/85829571760>

| Dial: 888-278-0254 |

ACCESS CODE: 841892

The public may attend this meeting in person at either above locations and/or remotely via call-in or ZOOM.

*AGENDA ITEMS may be taken out of order based on the business of the day and preference of the Committee.*

1. INTRODUCTIONS Call to order and roll call.
2. PUBLIC COMMENT on any item under the jurisdiction of the Committee and not on this agenda (speakers may be limited to two (2) minutes).
3. APPROVE Record of Action from September 16, 2024, meeting of the Sustainability Committee. [24-4243](#)  
**Attachments:** [Sustainability Committee Minutes\\_09-16-24](#)
4. RECEIVE report on the Circular City Strategy employed the City of Richmond, British Columbia. [24-4244](#)

5. RECEIVE report on Strategic Energy Management Program in County Facilities and RECOMMEND ADOPTION to the Board of Supervisors. [24-4245](#)  
**Attachments:** [Strategic Energy Management Plan\\_Final](#)
6. RECEIVE report from the Sustainability Commission Chair, or Designee. [24-4246](#)
7. RECEIVE report on staff activities that support sustainability goals. [24-4247](#)  
**Attachments:** [2024\\_12\\_12 Sust. Staff Report to Sust. CMTE](#)
8. **ADJOURN until the next Sustainability Committee meeting; date TBD after new Board is seated in January 2025.**

### GENERAL INFORMATION

This meeting provides reasonable accommodations for persons with disabilities planning to attend a the meetings. Contact the staff person listed below at least 72 hours before the meeting. Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the County to a majority of members of the Committee less than 96 hours prior to that meeting are available for public inspection at:

1025 Escobar St., 4th Floor, Martinez,

### HOURS:

Monday through Friday  
8 a.m. to 5 p.m.

Staff reports related to items on the agenda are also accessible on line at [www.co.contra-costa.ca.us](http://www.co.contra-costa.ca.us).

### HOW TO PROVIDE PUBLIC COMMENT

Persons who wish to address the Committee during public comment on matters within the jurisdiction of the Committee that are not on the agenda, or who wish to comment with respect to an item on the agenda, may comment in person, via Zoom, or via call-in. Those participating in person should offer comments when invited by the Committee Chair. Those participating via Zoom should indicate they wish to speak by using the “raise your hand” feature in the Zoom app. Those calling in should indicate they wish to speak by pushing \*9 on their phones.

Public comments generally will be limited to two (2) minutes per speaker. In the interest of facilitating the business of the Board Committee, the total amount of time that a member of the public may use in addressing the Board Committee on all agenda items is 10 minutes. Your patience is appreciated.

Public comments may also be submitted to Committee staff before the meeting by email or by voicemail. Comments submitted by email or voicemail will be included in the record of the meeting but will not be read or played aloud during the meeting.

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

Jody London  
(925) 655-2815



# CONTRA COSTA COUNTY

1025 ESCOBAR STREET  
MARTINEZ, CA 94553

## Staff Report

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**File #:** 24-4243

**Agenda Date:** 12/12/2024

**Agenda #:** 3.

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### **SUSTAINABILITY COMMITTEE**

**Meeting Date:** December 12, 2024

**Subject:** APPROVE Record of Action from September 16, 2024, meeting of the Sustainability Committee

**Submitted For:** SUSTAINABILITY COMMITTEE

**Department:** DEPARTMENT OF CONSERVATION & DEVELOPMENT

**Presenter:** Jody London || DEPARTMENT OF CONSERVATION & DEVELOPMENT | SUSTAINABILITY COORDINATOR

**Contact:** Jody London (925) 655-2815

### **Referral History:**

This is a standing item of the Committee.

### **Referral Update:**

PLEASE SEE ATTACHMENT.

### **Recommendation(s)/Next Step(s):**

APPROVE Record of Action from the September 16, 2024, meeting of the Sustainability Committee.

### **Fiscal Impact (if any):**

None.



# CONTRA COSTA COUNTY

## Committee Meeting Minutes - Draft

### Sustainability Committee

Supervisor John Gioia, Chair  
Supervisor Federal D. Glover, Vice Chair

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Monday, September 16, 2024

1:00 PM

11780 San Pablo Ave., Ste. D,  
El Cerrito, CA 94530 |

190 East 4th Street,  
Pittsburg, CA 94565

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AGENDA ITEMS may be taken out of order based on the business of the day and preference of the Committee.

1. INTRODUCTIONS Call to order and roll call.

*Chair called meeting to order at 1:01pm.*

**Staff Present:** Demian Hardman-Saldana, Principal Planner, Dept. of Conservation and Development;  
Luz Gomez, Sustainability Commission;  
Brendan Havenar-Daughton, Energy Manager, Dept. of Public Works;  
Raquel De La Torre, Secretary, Dept. of Conservation and Development;  
Vivian Lee, Glover Office Administrator, Office of the Board of Supervisors;  
Emily Growth, Planner, Dept. of Conservation and Development;  
Arianna Aguilera, DER specialist Fellow, Dept. of Public Works;  
Ricky Williams Fleet Manager, Public Works  
Nicole Shimizu, Planner, Dept. of Conservation and Development;  
Adam Scarbrough, Planner, Dept. of Conservation and Development;  
Salvador Morales, Planner, Dept. Of Conservation and Development;  
John Kopchick, Director, Dept. of Conservation and Development

**Attendees:** Sean Armstrong, Managing Principal, Redwood Energy  
Luz Gomez, Sustainability Commission

Riley Ramirez  
 Michelle Rinehart  
 Mike Moore  
 Lynda Deschambault  
 Sra. Cheryl Sudduth  
 Jan Warren

**Present:** District I Supervisor John Gioia and District V Supervisor Federal D. Glover

2. PUBLIC COMMENT on any item under the jurisdiction of the Committee and not on this agenda (speakers may be limited to two (2) minutes).

*There was no Public Comment.*

3. APPROVE Record of Action from May 20, 2024, meeting of the Sustainability Committee.

**Attachments:** [05.20.24 MINUTES](#)

*The Record of Action was approved unanimously.*

*There was no Public Comment.*

4. RECEIVE report on options for using lower amperage electric panels to facilitate all-electric buildings.

**Attachments:** [Redwood Energy 100 Amp Presentation](#)

*Sean Armstrong, Managing Principal of Redwood Energy, provided a presentation on options for using lower amperage electric panels to facilitate all-electric buildings. The National Electrical Code passed in 1962 and requires a minimum of 100 amp panels to be included for all new houses. Armstrong highlighted those 100 amps is enough power to have an all-electric home. Data shows that summer peak energy usage drops 26% due to high efficiency Alternating Current that comes with Heat Pump Retrofits. Small computers were added to heat pumps in 2009, which allow for up to 80% summer AC power savings. Armstrong shared that service upgrades to 200A can cost from \$2,000-\$60,000 varying on delivering new wire to the house Two houses can work with 100A with the correct set up including heat pumps, air conditioners, appliances. There are options to use smart circuit splitters for sharing a 240V outlet for EV chargers, for example. Other options include a whole house management panel of 100A that can support up to 400A of load up.*

*Suggested Polices by Armstrong; Hold educational events for local contractors. Intervene with information when a service upgrade permit is requested. Provide handouts. Educate on cost and time saving from not getting a service upgrade. Educate on our limited community grid resources. Deny service upgrades permits to 400A, permit 200A, encourage 100A. MCE to encourage use of these strategies and talk with*

*electricians.*

**COMMITTEE DISCUSSION:**

*Chair Gioia is interested in educating planning directors and is curious about how to find information on incentives or rebates. Armstrong explained you will see your savings in the winter and summer time when your electricity bill is reduced. Gioia inquired how the public can know how much service is being provided. Armstrong stated that you should be able to find it on the service panel but if not, you can always call an electrician because 95% of homes should be 100A unless they are older and have never been updated.*

*Luz Gomez, Chair of the County Sustainability Commission, inquired about Armstrong's thoughts regarding vehicle to home integration and how it plays into his presentation. Armstrong explained you should be able to use a 120-volt charger at night unless you are using a fast charger at home which is rare due to the fact people only drive 38 miles a day on average.*

**PUBLIC COMMENT:**

*Lynda Deshchambault with Contra Costa County Climate Leaders asked for city examples, and offered to host a workshop with Armstrong. Armstrong stated he would be happy to attend a workshop. The example city given was The City of Palo Alto because they have been implementing this set of recommendations with incentives.*

5. RECEIVE report on Strategic Energy Management Program in County Facilities and PROVIDE DIRECTION as appropriate.

**Attachments:** [SEM Presentation SustainabilityCmteeAug2024](#)

*Brendan Havenar-Daughton, Public Works Energy Manager, presented the Strategic Energy Management (SEM) program focused on goals for County operations. Havenar-Daughton explained there are existing energy plans as far back to 2001: the Energy Reduction Action Plan to more recently the Distributed Energy Resource plan (2018) and Climate Action Plan(2024). Havenar-Daughton stated that the Goal of the SEM is to have a clear tracking of the key results. The SEM program is divided into three overarching goals, with many objectives associated with those goals. Each objective will be tracked on a quarterly basis. Havenar-Daughton described how this will open opportunities to help staff have the capacity to reach these goals. Havenar-Daughton went into depth about the three key results which include Infrastructure, Financing, and People. Related plans from key results include re-commissioning 11 facilities, winning \$15M to install 100+ EV chargers at 15 county libraries, and onboarding a local sustainability fellow for the next year. The goals for the future include energy resilience*

*microgrids for at least three County facilities. Installing EV chargers for Zero-emission fleet; pursuing external funding; and hiring three or more employees. Havenar-Daughton provided a snapshot of what tracking would look like and the SEM program timeline. Havenar-Daughton hopes to bring this program to the Board of Supervisors on October 22, 2024.*

**COMMITTEE DISCUSSION:**

*Chair Gioia inquired to confirm that Havenar-Daughton would like feedback on key results presented. Havenar-Daughton replied, yes. No further comments were made.*

**PUBLIC COMMENT:**

*There was no Public Comment.*

6. RECEIVE report on energy efficiency and all-electric building pilot programs.

**Attachments:**      [Exhibit A. EE and All-Electric Building Pilot Programs Report 9-16-24 Sust Comm](#)

*Demian Hardman-Saldana, Principal Planner in the Department of Conservation and Development (DCD), gave a verbal report on energy efficiency and all-electric building pilot programs. DCD started a pilot energy efficiency program in-house that began with the Contra Costa Asthma Initiative established in partnership with the Health Department to connect patients of the County's health plan with high asthma rates to get asthma education. This initiative was funded through grant funding from the Bay Area Air Quality Management District and the State Health Department (the pilot concluded in 2023). Hardman-Saldana highlighted that the Asthma Initiative provided services to over 150 clients and performed 15 energy efficiency retrofits to those with high asthma rates.*

*The County is currently working with the City of Pinole to administer an energy efficiency rebate program on the City's behalf. The has contributed \$250,000 for the program.*

*Hardman-Saldana explained that DCD has submitted an application for \$150,000 to the Keller Canyon Mitigation Fund, which was granted. This funding will be used for a program for the Bay Point/ Pittsburgh area to cover most of the upfront rebate cost.*

*Hardman-Saldana mentioned staff is waiting to hear back regarding the Energy Efficiency and Conservation Block Grant that will be used for licensed, family-based daycare facilities to qualify for energy efficiency retrofits.*



*Hardman-Saldana stated their team had just submitted a Community Change grant application to the U.S. EPA to help make improvements in North Richmond.*

**COMMITTEE DISCUSSION:**

*There was no discussion.*

**PUBLIC COMMENT:**

*There was no Public Comment.*

7. RECEIVE report from Sustainability Commission Chair, or Designee.

*Luz Gomez provided a report on behalf of the Sustainability Commission. At its August meeting, the Commission received a report from DCD staff on the Contra Costa resilient shoreline plan and is interested in making sure that all the relevant stakeholders are engaged, including special districts, and utilities like the East Bay Municipal Utility District. Gomez mentioned the Commission received the draft of the Contra Costa County SEM program that Havenar-Daughton had presented earlier in the meeting, and the Commission is proud that the County has staff that are focusing specifically on the County's energy efficiency and sustainability goals. Gomez explained the Commission is looking forward to the Board of Supervisors considering a building efficiency ordinance at the October 1 Board meeting. The Commission is getting ready to plan for a transition in leadership.*

**COMMITTEE DISCUSSION:**

*There were no Questions.*

**PUBLIC COMMENT:**

*There was no Public Comment.*

8. RECEIVE report on Staff Activities that Support Sustainability Goals.

**Attachments:** [2024\\_09\\_16 Sust. Staff Report to Sust. CMTE v.1](#)

*Hardman-Saldana noted that there is a lengthy written report published with the agenda. He provided a verbal report on the energy efficiency toolkits that have been in County libraries since 2020. Staff is looking to make updates to the toolkits this fall and winter. Hardman-Saldana explained staff is working hard on the Climate Action and Adaptation Plan and are collaborating with many other departments for this effort.*

***COMMITTEE DISCUSSION:***

*There were no questions*

***PUBLIC COMMENT:***

*There was no Public Comment.*

9. **ADJOURN** until the next Sustainability Committee meeting to be held on November 18, 2024, at 10:00am.

*ADJOURN @ 2:33pm The next meeting will occur on November 25, 2024, at 1:00pm.*

GENERAL INFORMATION

HOW TO PROVIDE PUBLIC COMMENT

For Additional Information Contact:

DRAFT



# CONTRA COSTA COUNTY

1025 ESCOBAR STREET  
MARTINEZ, CA 94553

## Staff Report

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**File #:** 24-4244

**Agenda Date:** 12/12/2024

**Agenda #:** 4.

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### **SUSTAINABILITY COMMITTEE**

**Meeting Date:** December 12, 2024

**Subject:** RECEIVE report on the Circular City Strategy employed the City of Richmond, British Columbia

**Submitted For:** John Kopchik || DEPARTMENT OF CONSERVATION & DEVELOPMENT | DIRECTOR

**Department:** DEPARTMENT OF CONSERVATION & DEVELOPMENT

**Presenter:** Marcos Alejandro Badra || Circular Economy, City of Richmond, BC | Program Manager

**Contact:** Jody London (925) 655-2815

### **Referral History:**

N/A

### **Referral Update:**

The County's 2024 Climate Action and Adaptation Plan includes goals and strategies for building a regenerative and circular economy, with a goal of reducing existing and anticipated greenhouse gas emissions. In the 2024 General Plan, Policy HS-P3.2 is to "facilitate carbon-neutral development projects and communities that support a circular economy, zero-emission modes of transportation, reliable and renewable energy resources, energy-efficient buildings, zero waste, water efficiency and conservation, green infrastructure, soil conservation, and a system of natural and working lands that support natural carbon sequestration and climate resilience."

The city of Richmond, British Columbia, through its Richmond Circular City Strategy, is working toward a goal of a 100% circular economy by 2050. This policy is reflected in every aspect of the city's operations and sectors of the economy. Richmond's work could inform how Contra Costa County approaches its circular economy goal.

### **Recommendation(s)/Next Step(s):**

RECEIVE report on the Circular City Strategy employed the City of Richmond, British Columbia

### **Fiscal Impact (if any):**

N/A



# CONTRA COSTA COUNTY

1025 ESCOBAR STREET  
MARTINEZ, CA 94553

## Staff Report

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**File #:** 24-4245

**Agenda Date:** 12/12/2024

**Agenda #:** 5.

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### **SUSTAINABILITY COMMITTEE**

**Meeting Date:** December 12, 2024

**Subject:** REFER to Board, report on Strategic Energy Management Plan in County Facilities

**Submitted For:** Warren Lai || PUBLIC WORKS | DIRECTOR

**Department:** PUBLIC WORKS

**Presenter:** Brendan Havenar-Daughton || PUBLIC WORKS | ENERGY MANAGER

**Contact:** Brendan Havenar-Daughton (925) 812-7703

### **Referral History and Update:**

On September 16, the County Energy Management Team provided the Sustainability Committee with a report on the Strategic Energy Management Plan (SEMP) and received feedback.

The SEMP builds upon, and aligns with, existing and in-process County plans such as the draft General Plan, draft Climate Action and Adaptation Plan, Facilities Master Plan (2022), Distributed Energy Resources Plan (2018), and Energy Reduction Action Plan (2001). The Program directs and organizes the County's Energy Program for the next ten years and beyond.

### **Recommendation(s)/Next Step(s):**

RECEIVE Draft Contra Costa County Strategic Energy Management Plan and REFER the Plan to the Board of Supervisors for approval.

### **Fiscal Impact (if any):**

There is no fiscal impact at this time. The Program provides guidance on maximizing the impact of the annual Measure X Sustainability Fund, appropriated at \$2.5 million annually.

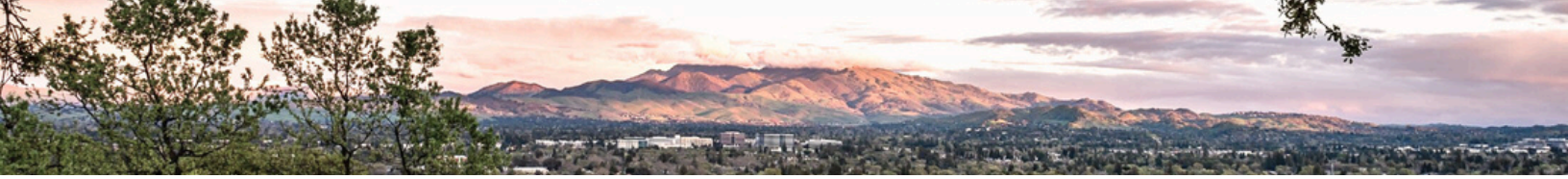


# CONTRA COSTA COUNTY

# STRATEGIC ENERGY MANAGEMENT PLAN







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# ACRONYM GUIDE

Acronym	Term
AC	Air Conditioning
BMS	Building Management Software
CAAP	Climate Action and Adaptation Plan
DCD	County Department of Conservation and Development
DER	Distributed Energy Resource
DR	Demand Response
ERAP	Energy Reduction Action Plan
EV	Electric Vehicle
EVSE	Electric Vehicle Supply Equipment
FIT	Feed-in Tariff
ICE	Internal Combustion Engine
ISF	Internal Service Fund
GHG	Greenhouse Gas
HVAC	Heating, Ventilation and Air Conditioning
KPI	Key Performance Indicator
LCFS	Low Carbon Fuel Standard
MCE	Marin Clean Energy
OSHA	Occupational Safety and Health Administration
PG&E	Pacific Gas and Electric Company
PR	Public Relations
PV	Photovoltaic (Solar)
RES-BCT	Renewable Energy Self-Generation Bill Credit Transfer
ROI	Return on Investment
SEM	Strategic Energy Management
V2G/ V2X	Vehicle-to-Grid / Vehicle-to-Everything
ZEV	Zero-Emission Vehicle
ZNE	Zero Net Energy

# KEY DEFINITIONS

Key Term	Definition
Community Solar	A solar project within a geographic region where benefits flow to nearby residents and/or businesses
County Service Center	A facility that hosts multiple County-provided services; for example: mental health services, workforce development, training, child support services, libraries
Decarbonized / Clean Energy	Zero- or low- carbon operations and embodied emissions. Technologies include DERs, electrification technologies (e.g. heat pumps, conduction stove tops), renewable energy, and low embodied emissions in materials.
Distributed Energy Resource (DER)	Energy Efficiency, Solar Photovoltaics, Energy Storage and Microgrids, Demand Response, Electric Vehicles
Embodied Emissions <sup>1</sup>	The amount of GHG emissions associated with upstream-extraction, production, transport, and manufacturing- stages of a product's life. Many initiatives to track, disclose, and reduce embodied carbon emissions also consider emissions associated with the use of a product and its disposal.
Remote Curtailment	The reduction of energy consumption (load) when there is too much energy load on the grid. This load reduction is controlled and managed through a remote management system.
Vehicle-to-Grid/ Vehicle-to-Everything (V2G/ V2X)	The capability of electric vehicles (EVs) to push energy back out to the grid or to a connected facility. This capability is typically enabled by real-time signals and bi-directional EV charging.
Zero-Emission Vehicle (ZEV) <sup>2</sup>	Full battery-electric, hydrogen fuel cell and plug-in hybrid electric vehicles. Note that County policy only considers plug-in hybrid electric vehicles as viable replacements for ICE vehicles when full battery-electric vehicles are not sufficient.
Zero Net Energy (ZNE) <sup>3</sup>	An energy-efficient building or facility that produces as much clean renewable energy as it consumes over the course of a year, when accounted for at the energy generation source

<sup>1</sup> Definition provided by the U.S. Environmental Protection Agency <https://www.epa.gov/greenerproducts/what-embodied-carbon>

<sup>2</sup> County Vehicle and Equipment Acquisition and Replacement Policy, and Zero-Emission Vehicle Policy and Goals, Administrative Bulletin 508.6, February 10, 2022

<sup>3</sup> California Department of General Services Office of Sustainability definition: <https://www.dgs.ca.gov/en/OS/Resources/Page-Content/Office-of-Sustainability-Resources-List-Folder/Zero-Net-Energy>.










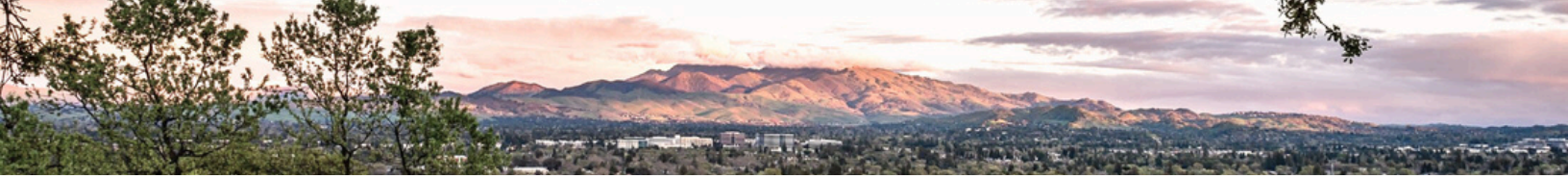
# INTRODUCTION

The Contra Costa County 2025 Strategic Energy Management Plan (SEM Plan) guides the direction of the County's longstanding Energy Program. The SEM Plan sets the Energy Program's priorities, projects and investments for the next ten years and beyond, arriving at a critical juncture when the County is pursuing ambitious sustainability initiatives to mitigate and adapt to climate change while improving quality of life for all County residents.

The SEM Plan establishes Goals in three main categories: Infrastructure, Financing and People. Under these Goals, the SEM Plan sets specific Objectives that envision a clean energy end-state. To carry out these Objectives, the SEM Plan lays out specific Key Results and Ongoing Initiatives that guide the day-to-day priorities of County Energy Management Team. The SEM Plan should be considered a "dynamic document" that will be updated as the County implements, and learns from, its climate action efforts.

The SEM Plan weaves together energy initiatives from five of the County's key strategic plans that direct the County's infrastructure and operational priorities. The color-coded legend below reminds the reader how each SEM Plan Objective maps back to the County's strategic direction. See Appendix 3 for more information on each plan:

-  Climate Action and Adaptation Plan (CAAP) (2024)
-  General Plan (2023)
-  Facilities Master Plan (2022)
-  Distributed Energy Resources (DER) Action Plan (2018)
-  Energy Reduction Action Plan (2001)



# MISSION STATEMENT



The Strategic Energy Management Plan prioritizes clean energy resources for County operations through fiscally responsible actions that improve quality of life for all



# INFRASTRUCTURE



**Goal 1:** County facilities foster cost-effective, clean energy operations and comfortable work environments

## Objective I-1

Evaluate and prioritize County facilities for Distributed Energy Resource (DER) investments

### Key Results

- Evaluate, measure and verify County facilities for DER investments, based on the logical loading order of energy reduction, electrification, and renewable generation. Implement up to three (3) high priority projects annually. ►

### Ongoing Initiatives

- Conduct energy use and cost tracking activities, audits, and upgrades of County facilities, including DERs and conversion to all-electric space and water heating ►
- Research and recommend emerging clean energy technologies, and analyze their scalability and cost-effectiveness
- Implement pilot projects that will inform future County policies and procedures, including but not limited to: microgrids, battery storage, all-electric buildings, vehicle-to-grid (V2G), and electric circuit buses/ shuttles

## Objective I-2

Update the County Design and Construction Guide (Design Guide) to incorporate standards for clean energy

### Key Results

- Ensure the Design Guide contains a pathway for new parking facilities to host integrated solar, battery storage and Electric Vehicle (EV) chargers ►
- Design at least one (1) County Service Center or County Youth Center as a Net Zero Energy (NZE) pilot project ►

### Ongoing Initiatives

- Revise the Design Guide to require on-site renewable energy production and all-electric new construction



# INFRASTRUCTURE



## Objective I-3

Build a Countywide Electric Vehicle (EV) Charging Network supporting a zero-emission fleet by 2035 and ensure equitable public access to charging ►

### Key Results

- Develop a zero-emission fleet transition plan and timeline through 2035
- Develop a master list of potential EV charger sites, and prioritize based on fleet use cases, facility and grid capacity, parking lot features, Facility Master Plan guidance, and equitable countywide EV charger access ►
- Install and manage EV chargers to exceed goals in the 2035 Fleet Transition Plan, accommodate employee EVs, and serve the broader community

### Ongoing Initiatives

- Monitor Vehicle-to-Grid (V2G) technological development and make recommendations for deployment
- Report, register and broker Low Carbon Fuel Standard (LCFS) credits as a revenue stream for Objective F-4

## Objective I-4

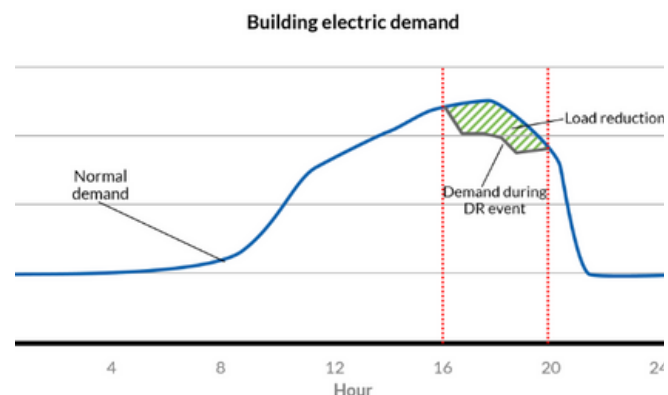
Develop a Demand Response (DR) protocol to reduce County energy usage during grid-critical times

### Key Results

- Increase the number of facilities successfully participating in utility DR programs, utilizing remote curtailment and occupant behavior
- Pilot one (1) candidate facility for participation in a near real-time DR program (i.e. 1-2 hour curtailment notification), and scale up participation if possible

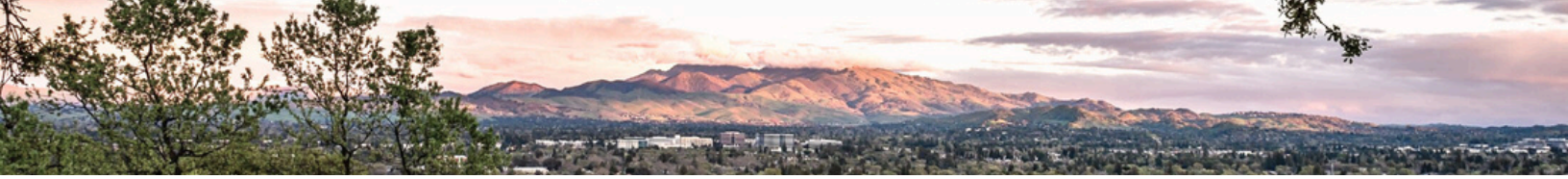
### Ongoing Initiatives

- Explore technical specifications of available DR programs and recommend facilities for participation based on flexible loads and presence of DERs



*Demand Response programs such as the MCE Peak Flex Program direct building operators to reduce electricity demand during grid-critical times.*

*Image Credit: Shifted Energy*



# INFRASTRUCTURE



### Objective I-5

Develop a Strategic Battery & Microgrid Deployment Plan

#### Key Results

- Develop islandable microgrids at three (3) new County facilities, with a focus on Service Centers ▶▶

#### Ongoing Initiatives

- Provide technical assistance to County-hired architects for evaluating microgrid design capabilities for major new construction projects
- Foster partnerships with long-duration battery energy storage companies to design and implement pilot projects

### Objective I-6

Increase the proportion of electricity used and generated from renewable sources in the County ▶

#### Key Results

- Develop at least one (1) new County solar + battery storage project, leveraging PG&E’s Renewable Energy Self Generation Bill Credit Transfer (RES-BCT) program or MCE’s Feed-in Tariff (FiT) program ▶

#### Ongoing Initiatives

- Foster partnerships with local mission-driven solar partners to build photovoltaic (PV) systems with a focus on community solar with battery storage for Impacted Communities ▶



*Contra Costa County’s Public Works and Sheriff’s Offices in Martinez currently have ~400 kW of solar panels on carports in the parking lots. These solar panels provide a power source for EV chargers at the parking lot as well as shade for parked vehicles*



# FINANCING



**Goal 2:** *Investments in clean energy generate sustainable funding for future projects*

## Objective F-1

Establish robust analytical methods to determine the cost-benefit, return on investment (ROI), and overall financial performance of energy investments

### Key Results

- Develop and implement a cost-benefit and ROI framework for all County energy investments, inclusive of GHG emissions reduction and equity metrics, that can be applied across Distributed Energy Resources (DERs), electrification, and renewable energy projects
- Propose an internal price on carbon to be used in County infrastructure investment decisions

### Ongoing Initiatives

- Adjust County financial planning and expenditures for infrastructure to ensure equitable investment in Impacted Communities, consistent with environmental justice principles ▶▶
- Establish technology-specific analytical methods to consider the cost-benefit and ROI of specific DERs and other technologies

## Objective F-2

Financially incentivize Departments to invest in clean energy technologies

### Key Results

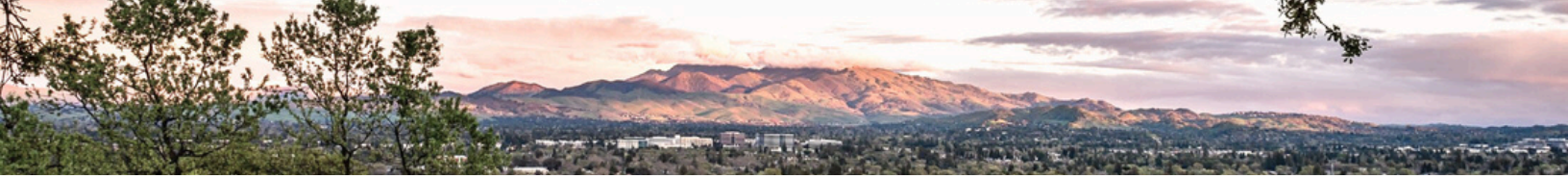
- Pilot innovative solutions to enable Departments to financially benefit from their investments in clean energy technologies
- Implement at least one (1) cost-sharing partnership between Public Works and other Departments to fund clean energy projects ▶

### Ongoing Initiatives

- Monitor the effectiveness of the Internal Service Fund (ISF) to support fleet and building electrification and energy management, and recommend ISF policy and procedure changes



*County departments are investing in electrifying their fleets; for example, these Flo Level 2 electric vehicle (EV) chargers*



# FINANCING



## Objective F-3

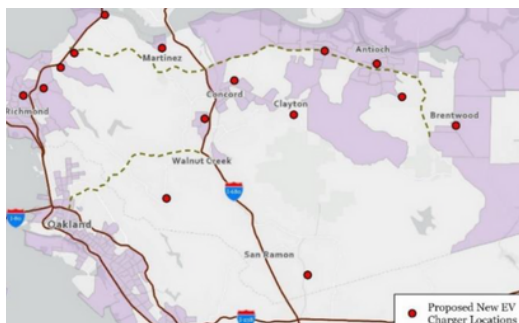
Develop innovative funding models to leverage County financial resources

### Key Results

- Develop at least one (1) Public Private Partnership to support SEM Plan goals and generate additional revenues for the County

### Ongoing Initiatives

- Pursue funding partnerships with municipalities, private industry, academia, national labs, nonprofits and community-based organizations to deploy clean energy projects
- Pilot innovative third-party financing structures to cover up-front costs of energy infrastructure in new and existing County buildings, and make recommendations for implementation
- Evaluate on-bill financing for energy efficiency investments ▶



*In 2024, the County Public Works Energy Management team won \$15M in Federal funds to install EV chargers at 15 County libraries*

## Objective F-4

Manage the Measure X Sustainability Fund for long-term growth by pursuing outside funding

### Key Results

- Develop a financial model for net growth of the Sustainability Fund, projecting annual expenditures, returns from tax allocations, Department investments, outside funding, public subscriptions, and other sources
- Extend the Sustainability Fund by at least 50% annually by capturing outside funding for clean energy projects

### Ongoing Initiatives

- Research and identify outside funding opportunities before, or as soon as, they become publicly available
- Maintain an inventory of projects that can be supported with outside funding
- Pursue grant, rebate and incentive funding from utilities as well as local, state and Federal agencies to pair with Sustainability Fund investments
- Explore funding mechanisms, including a carbon impact fee, to supplement the Sustainability Fund, in alignment with Objective F-1 ▶
- Maintain robust records of funding applications and project reports

# FINANCING



## Objective F-5

Refine the budgeting process for energy investments to support a financial forecast for the Energy Program

### Key Results

- Develop an Energy Program budget that transparently reflects Sustainability Fund spend, outside funding and other sources of funds for each fiscal year

### Ongoing Initiatives

- Develop a financial forecast for the Energy Program prior to each fiscal year, and explore extending the forecast to five-year increments

## Objective F-6











Develop a utility rates strategy to maximize cost savings and electricity usage from clean sources

### Key Results

- “Opt up” all County MCE electricity accounts to the Deep Green rate

### Ongoing Initiatives

- Research and recommend rate add-on options with MCE and PG&E for additional cost savings
- Maintain strong relationships with utility partners to troubleshoot rate issues and learn about potential new rate options

	 <b>MCE Light Green</b> <b>\$511.67</b>	 <b>MCE Deep Green</b> <b>\$523.33</b>	 <b>PG&amp;E</b> <b>\$505.89</b>
Average Total Cost			
Electricity Generation	\$166.66 served by MCE	\$178.33 served by MCE	\$164.27 served by PG&E
PG&E Electricity Delivery	\$331.50	\$331.50	\$331.50
Additional PG&E Fees	\$13.51	\$13.51	\$10.13
Local Community Reinvestment			
Access to MCE Rebates and Programs			
Access to PG&E Rebates and Programs			
	<input type="button" value="Choose MCE Light Green"/>	<input type="button" value="Choose MCE Deep Green"/>	<input type="button" value="Choose PG&amp;E"/>

*“Opting up” all County Facilities to MCE’s Deep Green rate presents an opportunity to ensure that the County’s consumed energy is 100% renewable.*

*Image Credit: MCE, dated 2024 for commercial facilities*



# PEOPLE & POLICY



**Goal 3:** *The County models how local governments can take action on clean energy leadership* ►

## Objective P-1

Staff up the Energy Management Team to successfully implement the SEM Plan

### Key Results

- Grow the Energy Management Team to five (5) full-time, permanent employees by 2034

### Ongoing Initiatives

- Develop job descriptions and seek Board approval; then recruit, hire, train and retain candidates for the Energy Management Team

## Objective P-2

Incorporate energy management tasks into personnel job responsibilities

### Key Results

- Review energy management tasks embedded in Public Works job descriptions and protocols, and implement revisions per SEM Plan Infrastructure Objectives (I-1 to I-6)

### Ongoing Initiatives

- Engage employees to explore where their jobs interact with energy management



*County Energy Manager (center) with Public Works staff responsible for carrying out key energy results*

# PEOPLE & POLICY



## Objective P-3

Develop policies, procedures and administrative bulletins as necessary to implement the SEM Plan Objectives. Update and prioritize the list of policy topics annually.

Topic	Purpose	SEM Goal	Time Frame
Workplace EV Charging	Ensure County EV fleet access to charging while accommodating employees and the public	Infrastructure	2025 - 2027
EV Charger Design Planning	Plan for EV charging conduits in parking lots, dedicate facility capacity for charging, and other design accommodations for EV chargers	Infrastructure	2025 - 2027
Indoor Facility Temperature Management	HVAC protocols to manage a comfortable and OSHA-compliant work environment for all indoor employees	Infrastructure	2025 - 2027
Inter-Departmental Cost Sharing and ISF Augmentation	Develop inherent incentives for Departments to invest in clean energy, including augmentation of the Internal Service Fund (ISF)	Finance	2025 - 2027
Clean Energy Project Procurement	Streamline procurement for clean energy projects, leveraging piggybacking and sole sourcing, when appropriate	Finance	2025 - 2027
Demand Response	Protocols to maximize Demand Response revenues and support grid needs while maintaining facility comfort and function	Infrastructure	2025 - 2027
EV Charger Operations	Protocols for managing EV charger demand and for enabling vehicle-to-grid (V2G/ V2X) services	Infrastructure	2027 - 2029
Facility Resiliency	Guidance on transitioning to clean energy and battery sources to provide resiliency during emergencies	Infrastructure	2027 - 2029
Battery Storage and Microgrids	Protocols to develop and operate battery storage and microgrids to maximize economic and environmental value streams	Infrastructure	2027 - 2029
Feed-in-Tariffs for Clean Energy	Requirements for developing cost-effective clean energy generation projects, leveraging Feed-in-Tariffs	Infrastructure	2030+
Circuit Bus	Plan for implementation and shared service of an electric circuit bus serving County employees and the public	Infrastructure	2030+

# PEOPLE & POLICY



## Objective P-4

Partner with the County Communications Office to launch a Clean Energy Communications Plan, engaging both internal and external audiences

### Key Results

- Collaborate with the Green Government Group (G3) Champions on employee engagement, training and empowerment centered around the County’s clean energy goals
- Plan at least one (1) event annually to empower employees to participate in the transition to all-electric energy at home and at work ▶

### Ongoing Initiatives

- Develop and maintain a library of more than a dozen (12+) trainings for County personnel whose jobs intersect with the Energy Program, building upon Objective P-2 actions
- Develop campaign materials including short videos, posters and fact sheets to raise awareness and encourage employee participation in the Energy Program

*The County Energy Management Team engages employees to participate in the transition to clean, all-electric energy*

## Objective P-5

Position the County as a local government clean energy leader and ambassador

### Key Results

- As part of the Clean Energy Communications Plan (Objective P-4), launch a public relations (PR) campaign to raise public awareness of the County’s clean energy work, including press releases, interviews, placed articles and more
- Present County energy initiatives at conferences and workshops at least four (4) times annually

### Ongoing Initiatives

- Pursue awards and accolades for the County’s work in clean energy
- Create engaging posts on the County’s social media accounts about its clean energy leadership





# PEOPLE & POLICY



## Objective P-6

County personnel serve on multiple boards, commissions and working groups to advance clean energy goals across the County, region and state

### Key Results

- Attend board/ commission working group meetings at least once per month to exchange strategies for shared success

### Ongoing Initiatives

- Lead the Countywide Transportation Electrification Coordination (C-TEC) working group of local governments to engage and share strategies on transportation electrification activities
- Serve on the Association of Bay Area Government's POWER Committee, overseeing the natural gas bulk purchasing program
- Serve on the Board and committees of the Local Government Sustainable Energy Coalition (LGSEC)
- Participate in PG&E's Transportation Electrification Working Group

## Objective P-7

Maintain robust records and provide reporting for data stewardship, benchmarking, compliance and collaboration

### Key Results

- Conduct an internal audit of the County's current recordkeeping protocols for energy to identify gaps in scope, length of retention and more

### Ongoing Initiatives

- Maintain robust records of all energy management contracts, grants and projects
- Provide reports required by state, local and Federal regulations as well as agency funding partners



*The County Energy Management Team meets with local government partners to plan the regional EV transition*

# APPENDIX 1

## SEM Plan Roles & Responsibilities

Organization	Mission	SEM Plan Role
Public Works Energy Management Team	Dedicated team within County Public Works that manages and implements the Energy Program, in accordance with the SEM Plan	Leading management, implementation, tracking, reporting and updating the SEM Plan
County Board of Supervisors	Five-member elected governing Board of Contra Costa County, tasked with supervising County departments, creating Boards and Officers, setting policy direction, and approving all contracts and budgets for the County	Reviews, provides feedback and approves SEM Plan initiatives as part of the Board's policy, contract and budget approval processes
Sustainability Committee	Subset of the County Board of Supervisors focused on overseeing the County's Climate Action and Adaptation Plan (CAAP) and making recommendations to the Board of Supervisors	Reviews, provides feedback and approves SEM Plan initiatives prior to Board of Supervisors review and approval
Sustainability Commission	Board of external experts appointed to advise the Board of Supervisors on opportunities to effectuate equity across the diverse communities of the County in sustainability programs that support the CAAP. They furnish suggestions to staff and Board on how to better engage County residents and businesses on sustainability issues and implement the CAAP.	Reviews SEM Plan Key Results and provides directional feedback on the SEM Plan, with a focus on the SEM Plan's role in broader County CAAP initiatives
Inter-Departmental Climate Action Task Force	County Department Heads focused on urgently implementing the CAAP and identifying additional actions, policies, and programs the County can undertake to reduce and adapt to the impacts of a changing climate	Reviews, provides feedback, and approves key SEM Plan initiatives, with focus on Measure X Sustainability Fund spending
Green Government Group (G3) Champions	Staff-level volunteer organization across County Departments that ideates and implements sustainability initiatives, especially employee engagement in sustainability	Provides feedback to SEM Plan initiatives and collaborates on SEM employee empowerment initiatives such as interactive workshops and lunch-and-learns

# APPENDIX 2

## Guiding Policies

The following regional, state and Federal policies shape and guide the SEM Plan






Policy	Purpose	SEM Reference
The California Occupational Health and Safety Administration (Cal OSHA) 2024 Heat Illness and Injury Prevention policy; 2024	A comprehensive set of regulations that require both indoor and outdoor workplaces to maintain a maximum ambient temperature, provide shade, allow for cool-down areas and distribute potable drinking water	Objective I-1. County facility energy upgrades will result in comfortable workplace temperatures that meet Cal OSHA safety requirements
California California Senate Bill 1000 (SB 1000); 2018	A statewide environmental justice law that requires local governments to identify disadvantaged communities in their jurisdictions and address inequities in their general plans	Objective F-1. Clean energy investments will be distributed equitably amongst impacted communities within the County
California Government Code 4217; 2023	A regulation stating that a public facility may enter into a financing contract if the governing body determines that the contract is in the best interest of the public agency and if the contract will result in energy revenues produced, or energy cost savings	Objective P-3. The County will explore leveraging Government Code 4217 to finance energy generation and/or energy savings projects
California California Advanced Clean Fleets (ACF) & Advanced Clean Trucks (ACT) regulation; 2023	A regulation requiring that local governments transition their medium and heavy duty fleet purchases to zero emission vehicles by 2027	Objective I-3. The County will ensure that the ACF and ACT requirements are met while also following its own clean fleet goals



# APPENDIX 3

## County Key Strategic Plans

The following strategic plans set the foundation for Goals, Objectives, Key Results and Ongoing Initiatives in the SEM Plan

County Strategic Plan	Purpose	Link
Climate Action and Adaptation Plan (2024) 	Strategic plan to reduce greenhouse gas (GHG) emissions and adapt to changing climate conditions in the unincorporated areas of the County	<a href="http://www.contracosta.ca.gov/8678/Climate-Action-Plan">www.contracosta.ca.gov/8678/Climate-Action-Plan</a>
General Plan (2023) 	Primary policy tool to guide physical changes in the unincorporated areas of the County	<a href="http://www.contracosta.ca.gov/4732/General-Plan">www.contracosta.ca.gov/4732/General-Plan</a>
Facilities Master Plan (2022) 	Strategic plan to improve customer service delivery and utilization of County real estate and facilities assets	<a href="http://www.contracosta.ca.gov/DocumentCenter/View/77500/Contra-Costa-County-Facilities-Master-Plan-2022-Report">www.contracosta.ca.gov/DocumentCenter/View/77500/Contra-Costa-County-Facilities-Master-Plan-2022-Report</a>
Distributed Energy Resources (DER) Action Plan (2018) 	Planning document guiding goals and actions for DERs sited at County facilities	Available at Board of Supervisors' Prior Agenda Search: <a href="http://contra-costa.legistar.com/Legislation.aspx">contra-costa.legistar.com/Legislation.aspx</a>  Approved May 8, 2018
Energy Reduction Action Plan (2001) 	Framework for a countywide effort to reduce electrical usage by 10% and reduce energy usage by 8% at County facilities	Referred to at Board of Supervisors' Prior Agenda Search: <a href="http://contra-costa.legistar.com/Legislation.aspx">contra-costa.legistar.com/Legislation.aspx</a>  Dated October 19, 2021

# APPENDIX 4

## SEM Plan Development & Reporting Timeline

Milestone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>2024</b>												
Workshop: Strategy Scoping					May 8							
Workshop: Framework Review					May 28							
Workshop: Stakeholder Mapping					May 30							
Report: County Administrator						Jun 11						
Workshop: PW Office Hours							Jul 17					
Workshop: Martinez Office Hours							Jul 24					
Presentation: Climate Action Task Force								Aug 16				
Presentation: Sustainability Commission								Aug 24				
Presentation: Sustainability Committee									Sep 16			
Presentation: G3 Champions Meeting										Oct 9		
Workshop: PW Leadership												Dec 3
Presentation: Sustainability Committee												Dec 12
<b>2025</b>												
Presentation: Board of Supervisors	Jan 21											
Scorecard Report and Workshop : PW Leadership	Q1			Q2			Q3			Q4		
Scorecard Report and Presentation: Climate Action Task Force	Q1			Q2			Q3			Q4		
Scorecard Report and Presentation: Board of Supervisors	Bi-Annual 1						Bi-Annual 2					



# APPENDIX 5

## SEM Plan Quarterly Reporting Scorecard Template

Label	Goal	Key Result	Current Status	Progress Summary	Q1 Milestone	Q2 Milestone	Q3 Milestone	Q4 Milestone
I-1	Infrastructure	Evaluate, measure and verify County facilities for clean energy investments and recommend up to three (3) high priority projects	On Track	Installed LED lighting and launching a retro-commissioning initiative on key County sites.				
I-3	Infrastructure	Install and manage EV chargers to exceed the 2035 Fleet Transition Plan, accommodate employee EVs, and serve the broader community	On Track	Installed 62 Level 2 EV charger ports with an additional 85 ports pending design approval. Installed one (1) DC Fast Chargers and six (6) ARC BEAM chargers.				
I-3	Infrastructure	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus gravida dolor ut dolor fermentum tincidunt. Fusce laoreet mattis.	At Risk	Curabitur ante purus, luctus luctus hendrerit vitae, lacinia vel tellus. Duis eu risus neque.				
F-4	Finance	Extend the Sustainability Fund by at least 50% annually by capturing outside funding for decarbonized energy projects	On Track	Won \$15M in Federal grant funding to install EV chargers on County libraries. Won \$3.6M in state funding to install EV chargers on 15 County-owned sites.				
F-7	Finance	Nullam eget lacinia nisl, semper condimentum metus. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis	Off Track	Donec pretium justo vel nulla tristique egestas id nec lacus. Nam sit amet facilisis ligula, quis iaculis velit.				
P-1	People	Grow the Energy Management team to five (5) full-time, permanent employees by 2034	On Track	Onboarded one (1) Sustainability Fellow in Q3 2024; fellow has not been made permanent full-time.				
P-2	People	Review energy management tasks embedded in Public Works job descriptions and protocols, and implement revisions per Infrastructure energy goals	Not Started	Slated for Q1.				



# CONTRA COSTA COUNTY

1025 ESCOBAR STREET  
MARTINEZ, CA 94553

## Staff Report

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**File #:** 24-4246

**Agenda Date:** 12/12/2024

**Agenda #:** 6.

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### **SUSTAINABILITY COMMITTEE**

**Meeting Date:** December 12, 2024

**Subject:** Report from Sustainability Commission Chair/Designee

**Submitted For:** John Kopchik || DEPARTMENT OF CONSERVATION & DEVELOPMENT | DIRECTOR

**Department:** DEPARTMENT OF CONSERVATION & DEVELOPMENT

**Presenter:** Luz Gomez || SUSTAINABILITY COMMISSION | CHAIR

**Contact:** Jody London (925) 655-2815

### **Referral History:**

This is a standing item of the Committee.

### **Referral Update:**

The Sustainability Commission Chair provides an update at each meeting of the Sustainability Committee on the work of the Commission.

### **Recommendation(s)/Next Step(s):**

RECEIVE report from the Sustainability Commission Chair/Designee.

### **Fiscal Impact (if any):**

None.



# CONTRA COSTA COUNTY

1025 ESCOBAR STREET  
MARTINEZ, CA 94553

## Staff Report

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**File #:** 24-4247

**Agenda Date:** 12/12/2024

**Agenda #:** 7.

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### **SUSTAINABILITY COMMITTEE**

**Meeting Date:** December 12, 2024

**Subject:** Report on Staff Activities that Support Sustainability Goals

**Submitted For:** John Kopchik || DEPARTMENT OF CONSERVATION & DEVELOPMENT | DIRECTOR

**Department:** DEPARTMENT OF CONSERVATION & DEVELOPMENT

**Presenter:** Jody London || DEPARTMENT OF CONSERVATION & DEVELOPMENT | SUSTAINABILITY COORDINATOR

**Contact:** Jody London (925) 655-2815

### **Referral History:**

This is a standing item of the Committee.

### **Referral Update:**

See attached Sustainability Staff Report.

### **Recommendation(s)/Next Step(s):**

RECEIVE report on staff activities that support Sustainability Goals.

### **Fiscal Impact (if any):**

None.

**SUSTAINABILTY STAFF REPORT FOR  
SUSTAINABILITY COMMITTEE  
December 12, 2024**

Activities since the Sustainability Committee’s meeting on September 16, 2024, are listed below. Activities are keyed to goals in the 2023-2024 Interim Climate Action Work Plan.

ACTIVITY	2023-2024 INTERIM CAP GOAL
<b>Department of Conservation and Development</b>	
On November 5, 2024, the Board of Supervisors adopted the new General Plan, updated Climate Action and Adaptation Plan (CAAP), and Environmental Impact Report (EIR). The culmination of a long development process with significant community engagement, the General Plan and CAAP are notable for how tightly they are linked and the inclusion of four themes throughout: environmental justice, sustainability, economic development, and community health. Sustainability staff are now turning our attention to educating colleagues about the new CAAP and developing implementation strategies. The adopted documents can be found at <a href="https://envisioncontracosta2040.org/documents/">https://envisioncontracosta2040.org/documents/</a> .	All
Staff is in the process of entering into contract with the Ocean Protection Council’s (OPC) for the Senate Bill 1 Sea Level Rise Adaptation Planning Grant, which was awarded in June. The grant of almost \$1.5 million will support the development of the Contra Costa Resilient Shoreline Plan. Staff has been working with OPC to complete requirements to execute the grant and expect to receive the funds in early 2025.	Goal 2 – Resilient Communities and Natural Infrastructure
Staff has received the County’s \$356,510 Energy Efficiency & Conservation Block Grant formula allocation from the U.S. Department of Energy (DOE). The grant will fund the following activities over a two-year period: (1) Providing energy efficiency and weatherization upgrades at no cost for buildings within the unincorporated area that operate as licensed childcare facilities. County staff will partner with community-based organization CocoKids to help identify eligible daycare facilities and provide educational materials and technical support to retrofit recipients during all phases of the project. (2) Hiring a technical consultant to conduct an inventory of the existing building stock in the unincorporated areas of the county and develop cost analysis on transitioning to low- or zero-carbon energy appliances. This inventory will provide critical insights to guide the development of a Clean Energy Roadmap for the unincorporated areas of the County. On November 14, 2025, the U.S. Department of Energy shared a press release highlighting the next round of Energy Efficiency & Conservation Block Grant funding recipients. Contra Costa County was one of a select few recipients to have their projects featured in <a href="#">the press release announcing the awards.</a>	Goal 1 – Clean and Efficient Built Environment
The County participated in an interview with the Governor’s Office of Land Use and Climate Innovation on October 30 for a grant that would fund development of an Urban Forest Management Plan. The grant was submitted through the Integrated Climate Adaptation and Resilience Program, <a href="#">Extreme Heat and</a>	Goal 2 – Resilient Communities and Natural Infrastructure

ACTIVITY	2023-2024 INTERIM CAP GOAL
<p><a href="#">Community Resilience Program</a>. No announcements have been made regarding grant awards.</p>	
<p>Sustainability staff are working with the Bay Area Air Quality Management District as it develops the Bay Area Regional Climate Action Plan (BARCAP, formerly referred to as CCAP) through a grant from the U.S. Environmental Protection Agency.</p> <p>The fourth quarter Sustainability Exchange meeting on December 5, 2024, featured Air District staff engaging with Contra Costa County jurisdictions about priorities for the BARCAP.</p>	All
<p>The County was notified on December 2 that the \$19 million Community Change Grant application for the North Richmond Community Resilience Initiative submitted to U.S. EPA has been selected for potential funding. Before any award is made, the County must negotiate the terms of the agreement with U.S. EPA, a process that takes on average 120 days. The application, which has multiple community group partners as well as the County's Public Works Department, includes a resilience hub at the Urban Tilth farm, all-electric home retrofits, improvements to Wildcat Creek Trail, establishing a community garden, rehabilitating low-income housing, establishing an e-bike lending library, installing green infrastructure throughout the community, and creek and watershed stewardship and education.</p>	<p>Goal 1 – Clean and Efficient Built Environment</p> <p>Goal 2 – Resilient Communities and Natural Infrastructure</p> <p>Goal 6 – Climate Equity</p>
<p>Sustainability staff contracted with Sustainable Contra Costa using funding from the Bay Area Regional Energy Network to launch the CookSmart Program, a portable induction cooktop pilot program to increase community access to and familiarity with induction cooking technology. The pilot concluded in October 2024.</p>	Goal 1 – Clean and Efficient Built Environment
<p>Sustainability staff hosted a Spanish language induction cooking demonstration on October 1, 2024 at the Brentwood Community Center in collaboration with the Bay Area Regional Energy Network and Building Decarbonization Coalition. The event was held in a hybrid format which gave local residents the option to participate in person or virtually via Facebook Live.</p>	Goal 1 – Clean and Efficient Built Environment
<p>On November 19, the Sustainability Team hosted the final quarterly Contra Costa County Energy Efficiency Collaborative of 2024. Staff from the City of Pinole and County presented on energy efficiency and all-electric policies in climate action planning documents and reach codes. Attendees also received an update on BayREN's single-family program.</p>	<p>Goal 1 – Clean and Efficient Built Environment</p> <p>Goal 7 - Leadership</p>
<p>The County partnered with the <a href="#">Bay Area SunShares</a> program for the 2024 season, which ran from September 1 through November 15, 2024. This program resulted in the completion of 2 solar projects, 2 battery storage projects, and 8 projects with both solar and battery storage.</p>	Goal 1 – Clean and Efficient Built Environment
<p>County staff hosted an extern through the Rising Sun Center for Opportunity's Climate Careers Program from August through November. The extern refreshed the information on the County's green building materials webpage and created digital and printable collateral to educate County residents about local green building material options. The extern also provided recommendations on how to improve the user experience of the County's Sustainability Resources webpage.</p>	<p>Goal 3 – No-Waste Contra Costa</p> <p>Goal 7 - Leadership</p>

ACTIVITY	2023-2024 INTERIM CAP GOAL
Sustainability staff held the first Drought and Water Shortage Task Force meeting on September 27. The Task Force is made up of County staff, groundwater sustainability agencies, water providers, and state agencies and will support development of a countywide Drought Resilience Plan in accordance with SB 552.	Goal 4 - Reduce Water Use and Increase Drought Resilience
The <a href="#">fall 2024 issue</a> of the quarterly <i>Sustainability in Contra Costa County</i> newsletter was published on September 26. The newsletter included articles on a free Spanish induction cooking demonstration, Bay Area SunShares, Department of Child Support Services staff who facilitated electric vehicle charger installation at their office, and more.	Goal 7 - Leadership
<p>Climate Emergency Resolution:</p> <ul style="list-style-type: none"> <li>• <i>Just Transition</i>. The Economic Development Committee of the Board of Supervisors held its first meeting on December 4.</li> <li>• <i>Interdepartmental Climate Action Task Force</i>. The Green Government Group (G3) Champions will meet on December 11. The meeting will include a tour of the new County Administration Building at 1026 Escobar in Martinez, which has received TRUE certification for its low-waste construction, and a presentation from the Co-Directors of the Office of Racial Equity and Social Justice.</li> <li>• <i>All-Electric Building Ordinance</i>. The new ordinance that amends the County building code to increase energy efficiency standards for newly constructed residential buildings, offices, hotels, and retail buildings to meet the County's Climate Action Plan goals will go into effect after it is approved by the California Energy Commission.</li> </ul>	Goal 7 - Leadership
Sustainability staff continue to monitor state and federal grant opportunities and prepare to apply for projects that will support key climate goals around all-electric buildings, active transportation, sea level rise, climate resilience, and Just Transition.	All
<b>Department of Public Works</b>	
In November 2024, Public Works submitted a grant application to the California Transportation Commission Local Partnership Program 2024 cycle for the North Bailey Active Transportation Corridor project. The project will install a class IV two-way cycle track from Willow Pass Road to the westbound State Route 4 on-ramp in the Bay Point community.	Goal 5 – Clean Transportation Network
On December 2, 2024, Public Works submitted three preliminary grant applications for consideration of Transportation Development Act funding. The three projects include: (1) Arlington Crosswalk Improvements; (2) Contra Costa Centre Pedestrian Improvements; and (3) Driftwood Drive Crosswalk Improvements. All three projects will install rectangular rapid flashing beacons at existing crosswalks and may include other pedestrian enhancements such as curb extensions or new sidewalk.	Goal 5 – Clean Transportation Network
<b>Health</b>	
The Contra Costa Green Business Program is serving as a bilingual (Spanish-speaking) outreach partner for the MCE Small Business Energy Advantage Program (SBEA). SBEA provides small businesses located in underserved	Goal 1 – Clean and Efficient Built Environment

ACTIVITY	2023-2024 INTERIM CAP GOAL
communities with access to bill reducing energy efficiency upgrades that also offer health, comfort, and safety benefits.	Goal 2 – Resilient Communities and Natural Infrastructure Goal 6 – Climate Equity
<b>Ongoing</b>	
Staff participated in professional learning opportunities regarding environmental justice, carbon sequestration, climate resilience, communication and facilitation strategies, race and equity, and related.	All
Staff participated in regional activities.	All

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Attachments

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