



OFFICE OF
SUSTAINABILITY
COUNTY OF SAN MATEO

RICAPS Monthly Meeting x Facilities Working Group

November 14, 2023

RICAPS technical assistance is available through the San Mateo County Energy Watch program, which is funded by California utility customers, administered by Pacific Gas and Electric Company (PG&E) under the auspices of the California Public Utilities Commission and additional funding provided by Peninsula Clean Energy.



Agenda

1:30-1:50: Welcome, Announcements, Share-Out



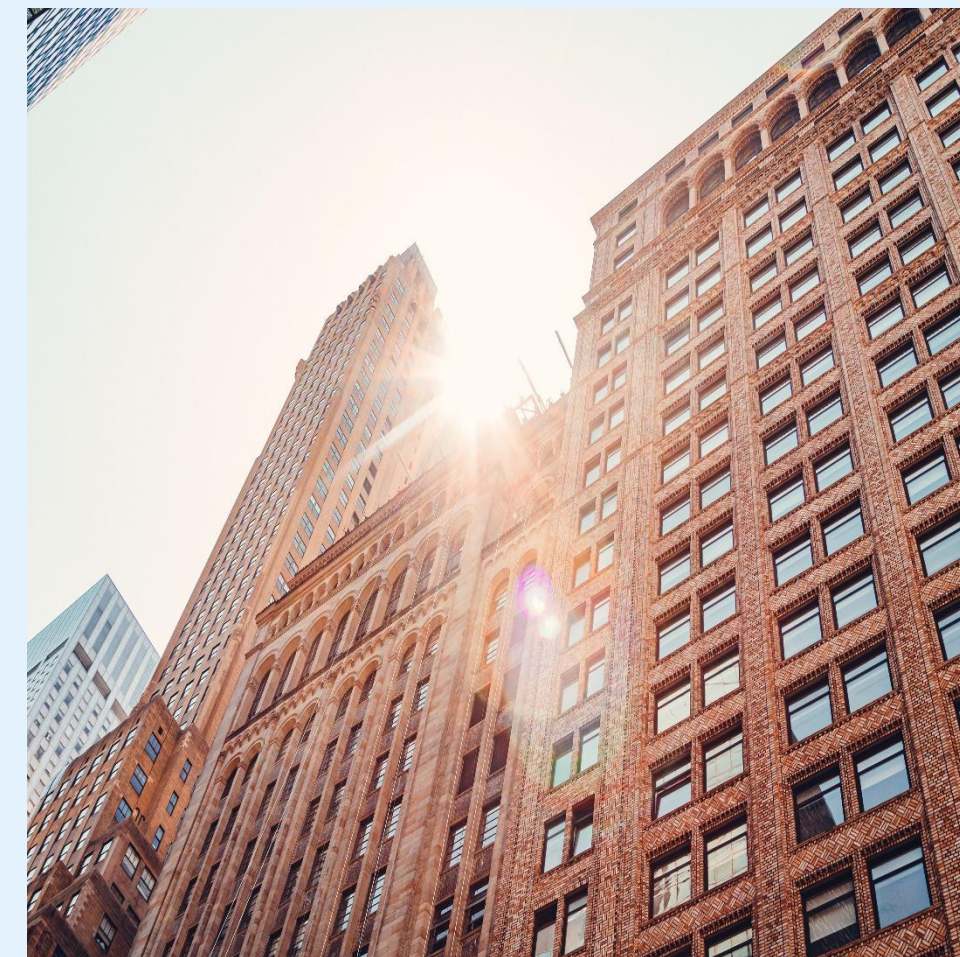
- 1:30-1:35: Welcome, Avana Andrade & Laura Wong
- 1:35-1:40: Announcements
- 1:40-1:50: Jurisdiction Peer-to-peer share-out
 - Focus on EV and CIP electrification updates



1:50-2:15 Electrifying Government Fleets: Peninsula Clean Energy GovEV Program



- 1:50-2:15- PCE GovEV Program. Phillip Kobernick, Senior Transportation Programs Manager



2:15-2:55: City xFleet Managers x facility Managers Workshop



- 2:15-2:55: Group discussion: hurdles and solutions for fleet electrification



1: Announcements

Available Resource for CIP Electrification : Municipal Electric First Policy



Goal: Pass municipal policy with exemption option for municipal facility upgrades and new construction to be all-electric

View draft language here [staff report upcoming]:
<https://drive.google.com/file/d/1e-Z7sML1xZKwEwyvNfiFT-WtCDL7A4zY/view?usp=sharing>

- Accompanying staff report can help City Staff move through the City Council adoption phase
- Ongoing Rincon technical support available for Cities to move through process
- *Ask: identify first mover cities who want to move forward with policy adoption*
- *Good ways to incorporate this policy into existing municipal policy1) CAAP Updates; upcoming building electrification work*

POLICY:

All new construction and major renovation of City-owned facilities shall comply with the applicable policy requirements according to project type and size. This Policy is intended to supplement, not replace, any other applicable building requirements, including those in the City Name Building Code.

1. New Construction:

All new, City-owned buildings and other infrastructure shall be constructed to comply with the following requirements:

- a. The project shall be constructed to be all-electric.
- b. Incorporate on-site renewable energy systems to the extent feasible and consider inclusion of batteries for energy storage; and
- c. Consider the life-cycle costs of the building design

2. Renovations:

Any building system upgrades and/or renovations of City owned buildings shall comply with the following requirements:

- a. All new building renovations will be all-electric.
- b. Building upgrades to electric infrastructure, building structure, or other systems shall consider future electrification needs including panel capacity, space for larger heat pump systems, or larger footprint rooftop package units.

Exceptions:

Exceptions to the electrification requirements above can be made under the following circumstances:

- a. Council determines that all-electric construction is infeasible or prohibitively expensive.

Examples of projects that may be considered for exceptions include, but are not limited to:

(1) Technology is not available for the specific end use needed in the building AND no alternative processes can be identified;



2: Jurisdiction Peer-to-Peer Share-Out

3: Peninsula Clean Energy: GovEV Program

GovEV Fleets Program

RICAPS

November 14, 2023



Today's Agenda

1. PCE's GovEV Program Overview
2. Services Being Offered
3. Other Collaboration Potential, Fleet Charging Depots
4. Questions & Answers



What is the GovEV Program?

Program Summary:

1. Help you **plan** for fleet-wide transition to EVs, **install** EV charging, **maximize savings** with energy management
2. Free service from Peninsula Clean Energy
3. Some funding available from Peninsula Clean Energy, in addition to state rebates and federal credits
4. Open to all local public agency fleets
5. Program open until 2025

What Will You Receive?

1. EV Fleet Replacement Plan

- *What vehicles should I buy? What is their TCO and savings?*

2. Fleet EV Charging Needs Assessment

- *How many chargers will I need when the whole fleet goes EV?*

3. Charging Installation Plans

- *How can chargers be installed at my depot?*

4. Permit-Ready Plans (if needed)

- *I need 100% engineered plans for my agency to hire a contractor*

5. Funding Overview

- *Which rebates apply to my project?*

6. Energy Optimization Plan

- *How can managed charging maximize my savings?*

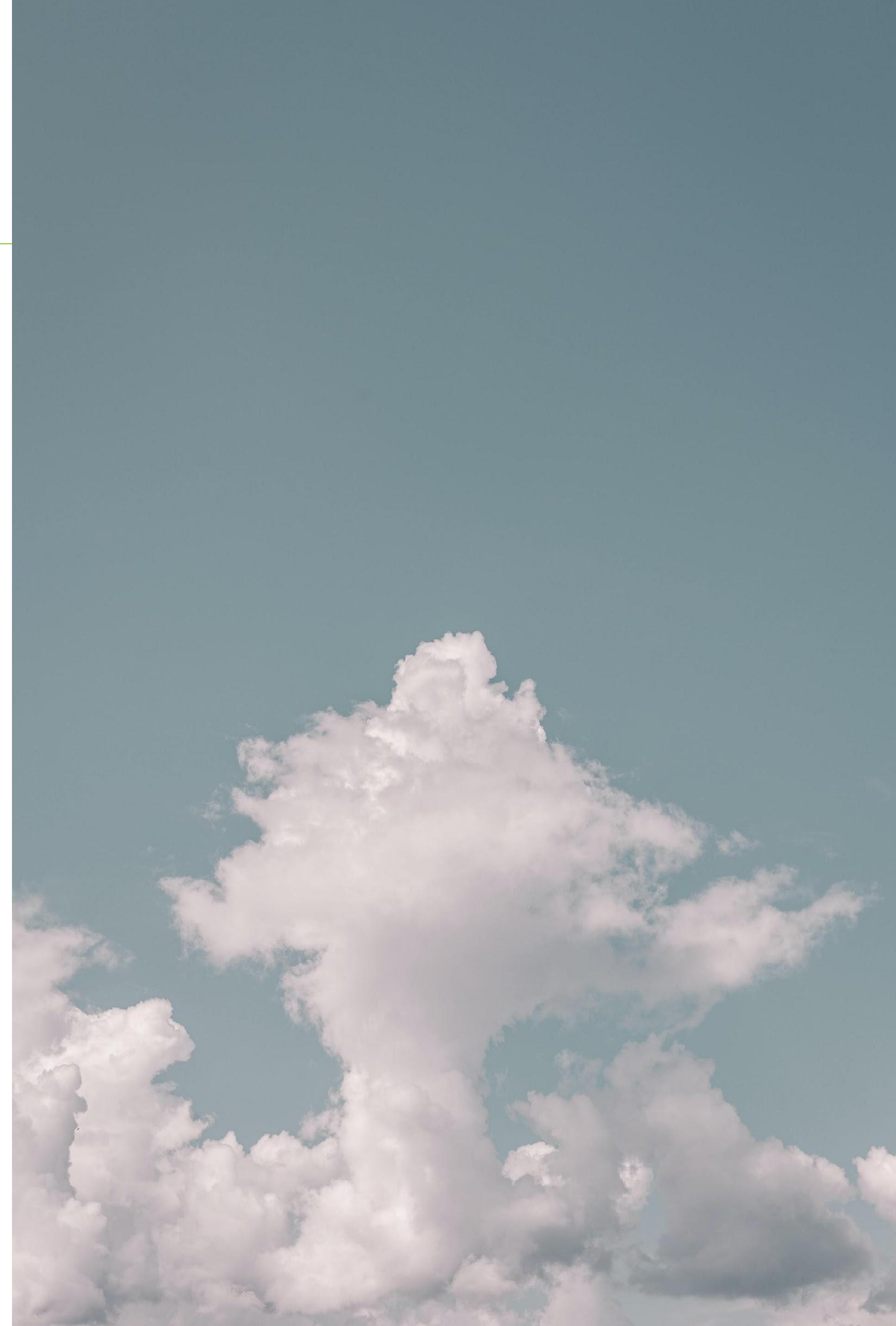
7. Energy Management Services (optional)

- *I need a system to manage my charging*

California Air Resources Board (CARB)

CARB's **Advanced Clean Fleets Regulation** and what that means for you:

- **50% EV new** annual purchases by **2024**
- **100% EV new** annual purchases by **2027**
- Limited exceptions, but don't expect broad exceptions to the mandate



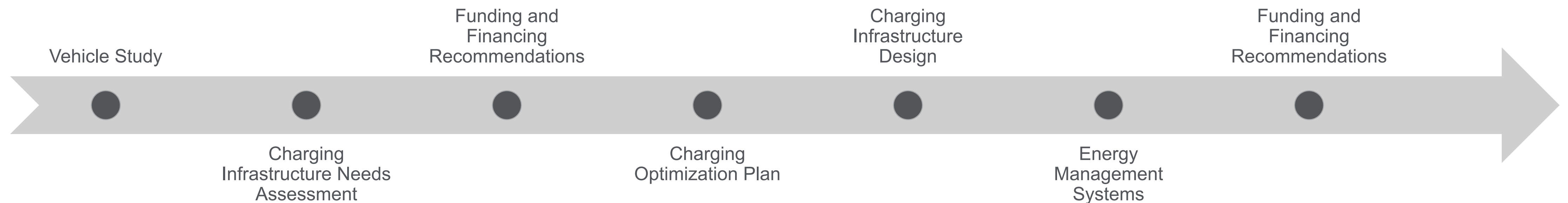
Services Offered

Whole Fleet Assessment

- Fleet Vehicle Study
- Charging Infrastructure Needs Assessment
- Charging Optimization Plan
- Funding and Financing Recommendations

Charging Infrastructure Project

- Charging Infrastructure Design
- Energy Management Systems
- Funding and Financing Recommendations



Enrolled Fleets

1. Menlo Park
2. San Mateo
3. Burlingame
4. San Carlos
5. Daly City
6. South SF



- 16.8 kW AC Level 2 (Fleet)
- 19.2 kW AC Level 2 (Fleet)
- 19.2 kW AC Level 2 (Workplace Charging)
- Accessible Space
- No Parking Space for ADA Van Unloading
- Location of new service
- Retaining Wall

Additional Collaboration Opportunity

Fleet Charging Depots

- One agency owns/operates EV charging at location that serves multiple fleets
- Other agencies pay for electricity plus small markup
- Existing precedent for inter-agency fuel sales

Questions:

1. Do opportunity hubs like this currently exist? Where?
2. Preference vs city-owned chargers?

Questions?

Phillip Kobernick
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4: Municipal Fleet Electrification Discussion

Hurdles & Solutions Workshop

First, Introductions!

- Camera on, change name on Zoom to: *Name, Title, City.*
- Write in the chat: name, role, city, and one thing you've been working on regarding fleet electrification*



What challenges are you facing for electrifying municipal fleets?

Status of fleet electrification at your City

Key Questions:

- What challenges or successes have you had using ZEV's so far at your City ?
- What challenges do you expect to face when meeting the Advanced Clean Fleets or internal fleet electrification goals (e.g. Climate Action Planning target)?

Secondary Questions:

- Who is responsible for purchasing and maintaining vehicles at your City?
- Does your City have a policy in place for ZEV purchasing currently?



Notes Slide for Municipal Fleet Electrification Challenges

City xx
Status of fleet electrification currently is: xx
Challenges we're currently facing is xx
Fleet manager is xx



Notes Slide for Municipal Fleet Electrification Challenges

City xx
Status of fleet electrification currently is: xx
Challenges we're currently facing is xx
Fleet manager is xx



Notes Slide for Municipal Fleet Electrification Challenges

City xx
Status of fleet electrification currently is: xx
Challenges we're currently facing is xx
Fleet manager is xx



Notes Slide for Municipal Fleet Electrification Challenges

City xx
Status of fleet electrification currently is: xx
Challenges we're currently facing is xx
Fleet manager is xx



What solutions brainstorm- how can we catalyze electrification of fleets at your City

Key Questions:

- **What parts of operating and maintaining ZEVs has been successful or positive?**
- **Do you have any solutions in mind for the hurdles we just discussed?**
- **What hurdles or challenges should RICAPS focus on solving?**



Notes Slide for Municipal Fleet Electrification Solutions

City xx
Solutions xx
RICAPs should focus on xx



Notes Slide for Municipal Fleet Electrification Solutions

City xx
Solutions xx
RICAPs should focus on xx



Notes Slide for Municipal Fleet Electrification Solutions

City xx
Solutions xx
RICAPs should focus on xx



Notes Slide for Municipal Fleet Electrification Solutions

City xx
Solutions xx
RICAPs should focus on xx





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**THANK
YOU**

