PENINSULA CLEAN ENERGY

# Peninsula Clean Energy Board of Directors Meeting

March 25, 2021

# Agenda

- Call to order / Roll Call
- Public Comment
- Action to set the agenda and approve consent items

# Regular Agenda

1. Chair Report (Discussion)

# Regular Agenda

2. CEO Report (Discussion)

# Today’s Updates

- Staffing Updates
- CPUC Certification of Amended PCE Implementation Plan
- CC Power Board meeting
- CalCCA bill: SB 612
- Upcoming PCE meetings

# Staffing Update

- Tj Carter is leaving PCE on April 16 and moving to ReThink Waste on April 19


Open Positions:

- Energy Contracts Manager
- Los Banos Community Outreach Specialist/Manager
- Senior Legislative Analyst; Legislative Analyst

# CPUC Certification

- Amended PCE Implementation Plan submitted in December
- Enroll Los Banos in 2022 as new member of PCE

# CC Power Board Meeting

- Second board meeting held on March 17
- Notes from that meeting are in your agenda packet
- Policy discussion
  - LDES project
  - CC Power
  - Next steps

# SB 612

- SB 612, introduced by Senator Portantino, sponsored by CalCCA
  - 10 co-authors, including Senators Becker and Wiener, and Assembly Members Berman and Mullin
  - PCE submitted letter of support
  - Next step:
    - PCE member jurisdictions to submit letters of support

# SB 67 and SB 68

- SB 67: 24/7 Clean Energy Standard
- SB 68: Reducing Electrification Barriers

# Upcoming Meetings

These meetings will continue to be held by video/teleconference

- Citizens Advisory Committee:
  - April 8 at 6:30 p.m.
- Executive Committee:
  - April 12 at 8:00 a.m. or 10:00 a.m. depending on Consent vote on meeting change this evening
- Board of Directors:
  - April 22 at 6:30 p.m.

# Regular Agenda

3. Citizens Advisory Committee Report (Discussion)

# Regular Agenda

4. Appointments to the Executive Committee and other Standing Committees (Action)

# Regular Agenda

5. Approve Revised Policy 16 – Selection of the Chair and Vice Chair and appointment to the Executive Committee and other standing Board Committees (Action)

# Regular Agenda

6. Authorization to Adjust PCE Rates in Response to March 1 2021 PG&E Rate Changes (Action)

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# Proposed Rate Change

Board of Directors Meeting March 25, 2021

# Current PCE Rate Making Methodology

**(PG&E Generation Rate * 0.95) – PCIA –FFS**

**= PCE ECOplus Rate**

# March 1, 2021 PG&E Rate Change

- PG&E implemented its second rate change of 2021 on March 1st
- PCIA fees **increased** by 8% and PG&E Generation rates **increased** by a weighted average of 1.8%
- The Generation rate increase was lower than we were anticipating – when combined with the 8% PCIA, pushes PCE rates further downward
- Staff proposes that PCE rates are decreased to back in alignment with our 5% discount value proposition by lowering the ECOPlus Generation rates by an average of 2.8%

# Additional Rate Changes in March 2021 Update

- PG&E will be transitioning all remaining eligible C&I customers over to the “B” rates throughout March
  - Aligns TOU peak hours to 4pm-9pm
- A handful of C&I NEM customers will remain on the legacy “A” and “E” rates (~340 customers)
  - PG&E implemented changes to the Peak/Off-Peak Rates in the legacy rates-flattening out the cost differentials to more closely mirror the new ”B” rates
  - PCE staff conducting some additional outreach to Strategic Accounts regarding this change

# Staff Recommendation

- Staff recommends that the Board authorize rate adjustments to PCE ECOplus rates to continue with the net 5% discount value proposition
- If approved, new rates are expected to go into effect April 1, 2021

# Regular Agenda

7. Review Programs Accomplishments (Discussion)

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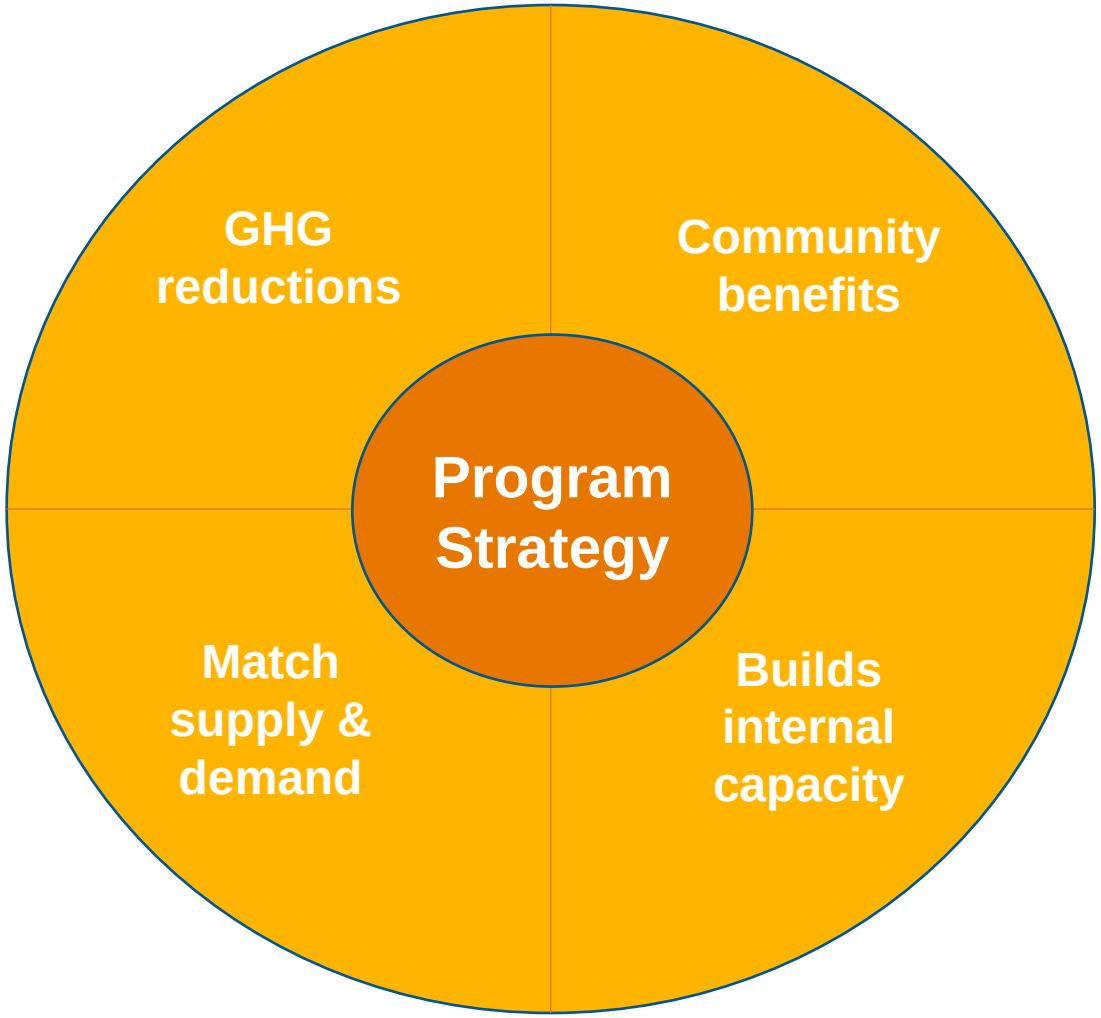
# Programs Accomplishments

March 2021

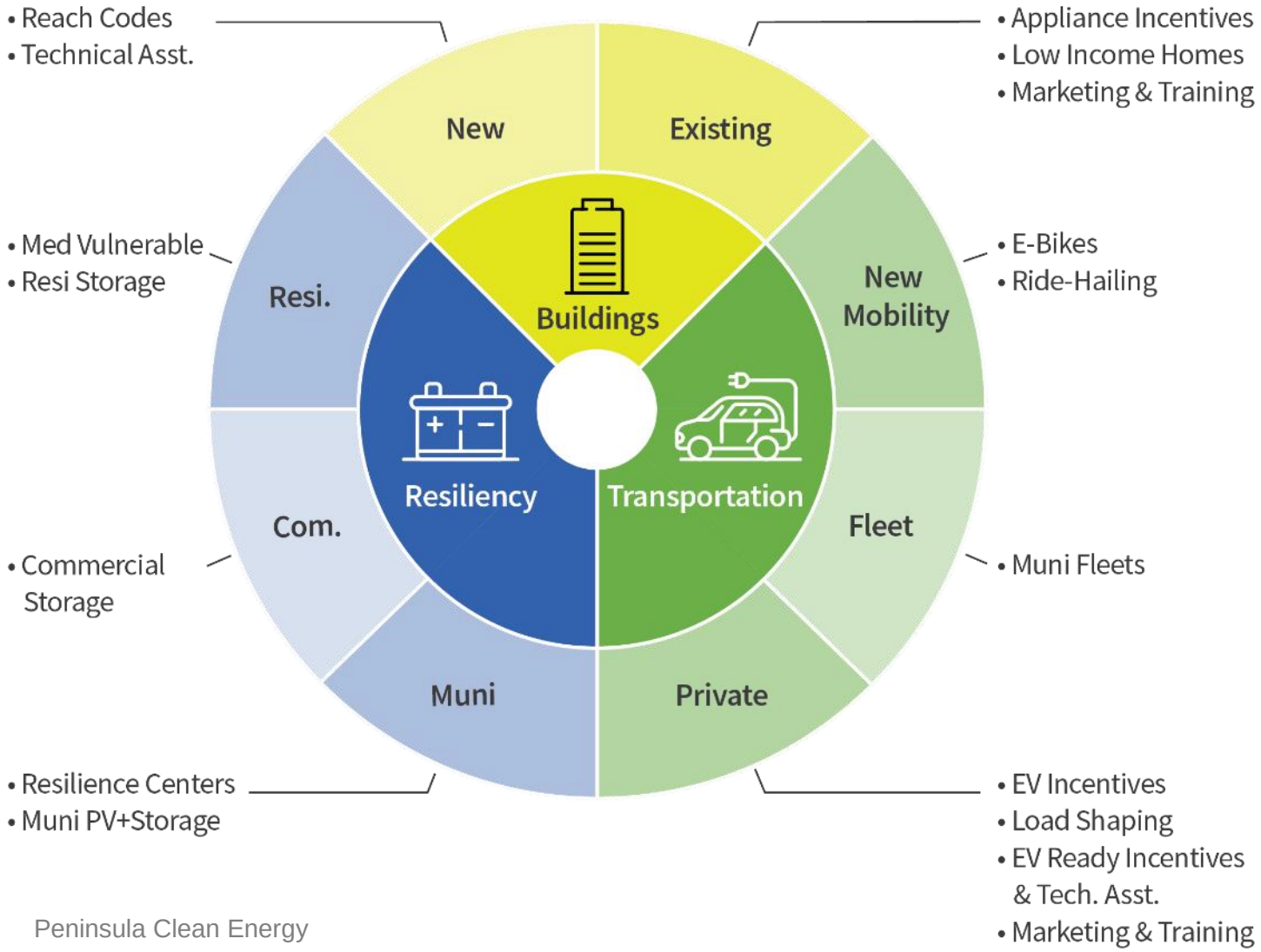

# Program Objectives




**Levers**

- Influence Individual Decisions
- Propagate Innovation
- Shape Policy

# Programs Portfolio




## Budget

- Buildings & Transportation: $28.2M forecast FY21-24
- 60% for transportation
- Pilot projects

## Additional Focus

- Systems
- Roadmap & metrics
- Additional funds

# San Mateo County Emissions (draft)

| | Total Emissions (MT CO2e) | Electricity Generation | PCE Supply |
|---|---|---|---|
| **2015** | 5.2 million* | 15% | n/a |
| **2019** | 4.1 million* | 6.4% | 90% GHG-free |
| **2021** | TBD | ~2.5% | 100% GHG-free |

* Methodologies for calculation may differ

# Outcomes

# Outcomes Summary

| Metric | Outcome |
|---|---|
| **Reach Codes** | **11 in San Mateo Co**, 11 in SVCE adopted<br>• Half of the 42 adopted state-wide, catalyzed EBCE and San Luis Obispo<br>• Supporting existing building code development @Menlo Park |
| | Tech assist. & training: >30 projects, >120 developers, 17 contractors |
| | |
| **EV Charging** | **>3,200 ports applied** for incentives |
| | Tech assist: >85 customer projects |
| | |
| **Electric Vehicles** | **Incentives: 474** total (incl. 93 low-inc used) |
| | Consumer preference: >+10% |
| | |
| **Innovation Pilots** | 6 in-progress |
| | |
| **Leadership & Policy** | • PCE is “go-to” resource on EVs for CPUC, AQMD and CCAs<br>• Influence: CPUC Transportation Framework, 2022 CA EV Code |

# Reach Codes

## Program

- Timeframe: CY19-ongoing
- Budget: $850,000 (PCE cost)
- Includes:
  - Model codes for low-carbon buildings & EV readiness
  - Assistance & training for agencies, developers, contractors
  - Grants for agencies
  - SVCE partnership

## Outcomes Summary

- Most ambitious reach code effort in US
- Major innovation in building and EV codes
- Est. 8,500 MT CO2e per year benefit

# Adoption in San Mateo County

| Member Agency | Reach Code Status | Building (proposed) | EV |
|---|---|---|---|
| Brisbane | Adopted | All-electric w/ exceptions | MUD 1xL2/ unit |
| Burlingame | Adopted | All-electric w/ exceptions | PCE model code (variant) |
| East Palo Alto | Adopted | All-electric w/ exceptions | PCE model code (variant) |
| Millbrae | Adopted | All-electric w/ exceptions | PCE model code (variant) |
| Menlo Park | Adopted | All-electric w/ exceptions | (existing EV code) |
| Pacifica | Adopted | All-electric w/ exceptions | (existing EV code) |
| County of San Mateo | Adopted | All-electric w/ exceptions | PCE model code |
| Redwood City | Adopted | All-electric w/ exceptions | PCE model code |
| San Mateo | Adopted | All-electric w/ exceptions (updated) | Increase EV capable |
| San Carlos | Adopted | All-electric w/ exceptions (updated) | PCE model code |
| Colma | Adopted | Prewiring required | Increase EV capable |
| Portola Valley | 1st reading TBD | (All-electric w/ exceptions) | (existing EV code) |
| Atherton, Belmont, Daly City, South SF | Scheduling study session | | |
| Foster City, Half Moon Bay, Hillsborough, San Bruno | Letter of Intent, Staff discussions or Council briefing done | | |
| Woodside | Declined | | |

# EV Charging

**Program**

- Timeframe: CY20-24
- Budget: $16 million PCE + $12 million CEC
- Includes:
  - Target: 3,500 ports
  - Advanced technical assistance
  - Workforce training

**Outcomes Summary**

- Attracted additional $12 million from CEC
- 3,200 ports applied for incentives (as of March 2021)
- >85 customer projects receive tech asst.

# EV Charging

- Developed advanced design guidelines
- Preferred contractor network with IBEW
- Negotiated pricing for equipment
- Scaled deployment scopes
- Assistance for sites to secure incentives (PCE, CALeVIP, BAAQMD, other)

**San Mateo Apartments Example (17 ports)**

| Approach | Ports | Total Cost | Per Port Cost |
|---|---|---|---|
| PCE | 2 L2 + 15 L1 | $90,600 | $5,300 |
| Typical | 17 L2 | $251,500+ | $14,800 |

# EV Incentives & Marketing

**Program**

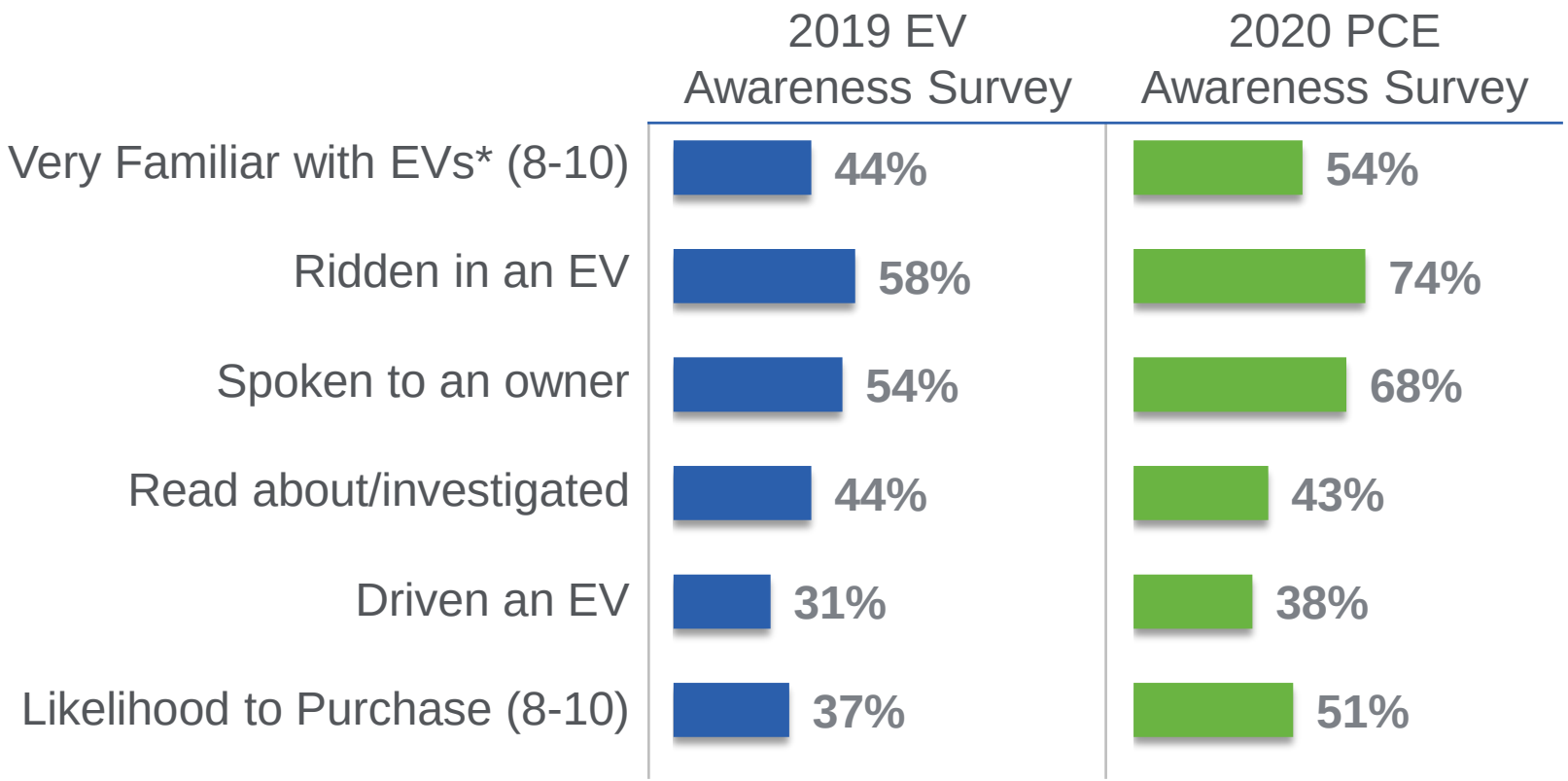
- Timeframe: CY18-24
- Budget: $2.6 million
- Includes:
  - Incentives for new EVs
  - EV test drives & events

**Outcomes Summary**

- Spent $1 million
- 474 total vehicles incentivized
  - 93 low-income used EVs
- 16 events, 1,598 participants

# Community Influence - EVs

**Direct comparison is not advisable given the different methods of data collection and screening criteria. That said, it appears most measures have improved directionally from the previous year.**



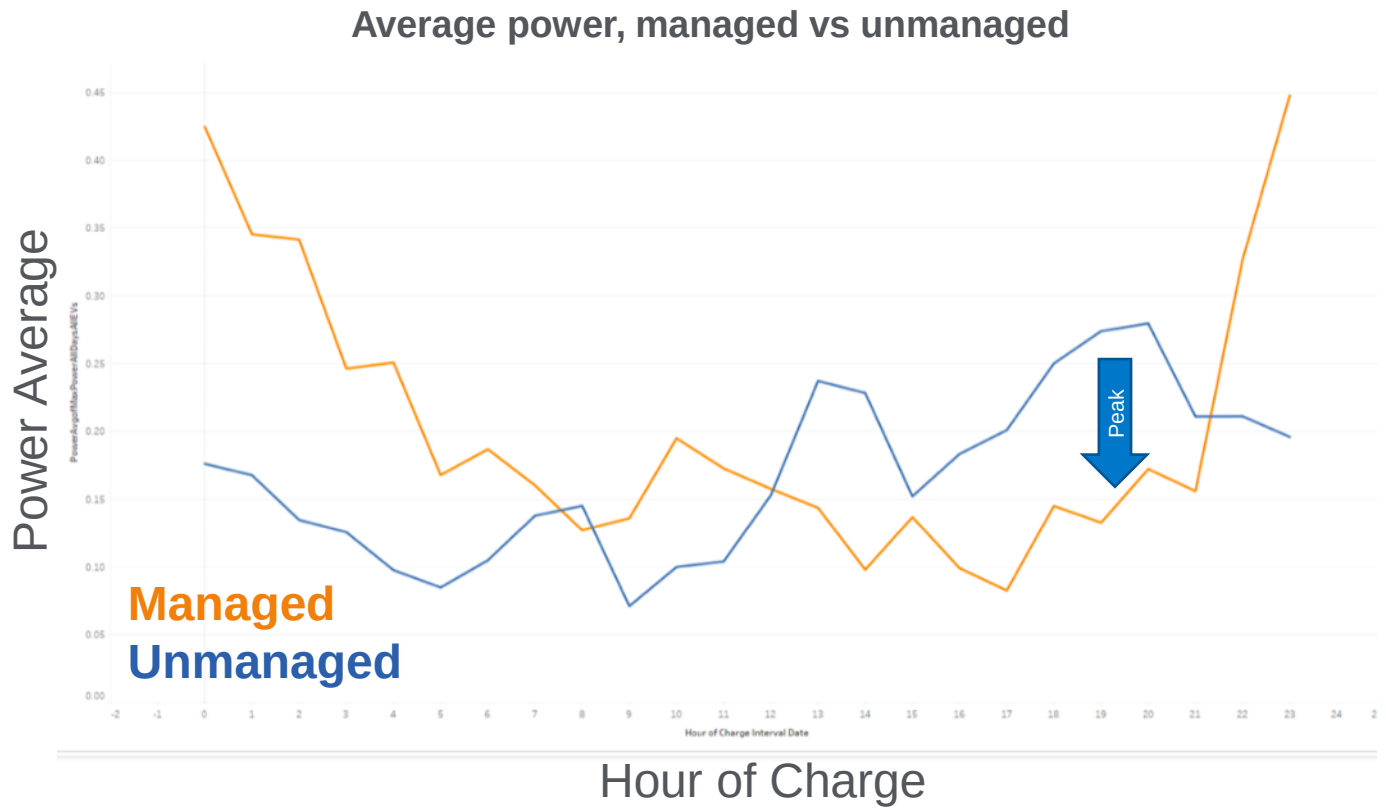

*Any type, including BEV, PHEV and HEV. The 2019 survey was filtered to include only *non* owners. The 2020 survey included owners but was filtered to include only licensed drivers who are vehicle decision-makers.

# Pilots: Low Power & Managed Charging

- **Objectives**: Research & demonstrate low-cost charging alternatives
- **Timeframe**: CY18-24
- **Budget**: $300,000
- **Results**
  - Business requirements (property owner interviews)
  - Technology assessments (charging tech & panels)
  - Recruited properties for pilot installation
  - Installing 13 ports
  - Completed cost comparison
    - $4,500/port including smart outlet
    - 25% of Level 2 (est. ~$20,000/port)

# Pilots: EV Managed Charging (Phase 1)

- **Objectives**: Technical feasibility trial for vehicle based managed charging
- **Timeframe**: CY19-20
- **Budget**: $35,000
- **Results**
  - Data integration with Tesla
  - LCFS verification
  - 50% load shift demonstrated



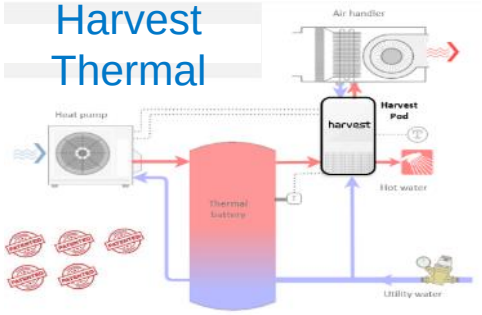
# Launching/In Development

- **Existing Building Incentives**
  - $4.8 million
  - 1200 water heaters
  - 200 low-income home upgrades
- **Fleet Assistance & V2B Pilot**
  - $900,000 / 3 years
  - Fleet technical assistance
  - Initial pilot of EVs powering muni facility
- **Curbside Charging**
  - $100,000
  - Feasibility study
- **Ride-hailing Electrification**
  - $500,000
  - 100 EVs with Lyft, *First in California*
- **E-Bikes**
  - $300,000
  - 300 e-bikes for low-income
- **Advanced Space & Water Heating**
  - $350,000
  - Novel technology install & evaluation

REUTERS

Lyft promises switch to 100% electric vehicles by 2030

Harvest Thermal



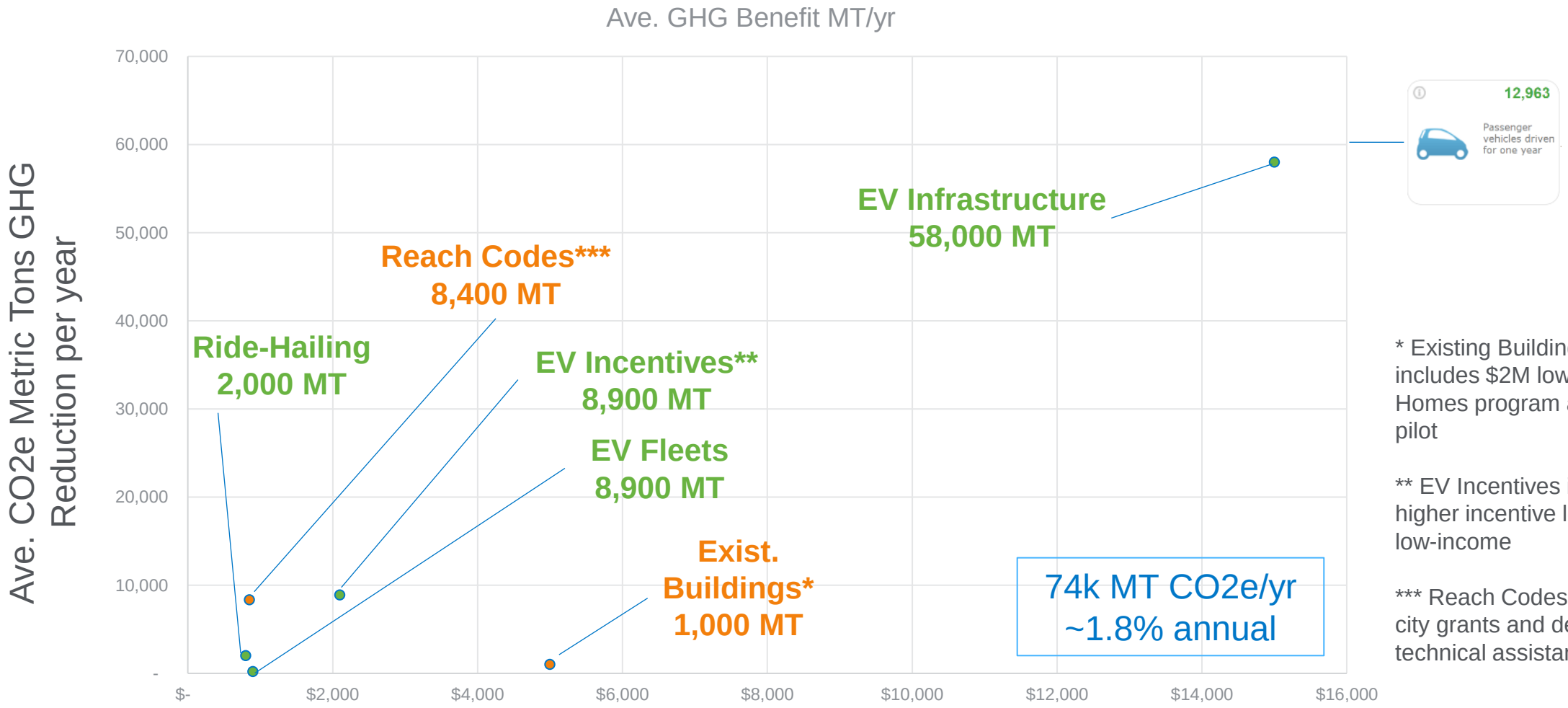
# Leadership & Policy

- Organizing role with CCAs
- A leading voice in EV strategy
- Chairing SEPA Fleet Working Group and EV Coordinating Council
- Actively solicited by CPUC, CEC, Air District and others
  - Unique filings on CPUC Transportation Electrification Framework
  - Led comments on CALGreen 2022 with BAAQMD and CCAs
  - Led comments on CEC block grants
  - Led comments on VW mitigation fund
  - Invited to speak at CPUC “vehicle-grid integration” (VGI) workshop

# Sustainable Workforce

- Union requirement on dedicated PCE incentive fund for EV charging
- Successfully secured CEC commitment to utilize EVITP
- Low-Income Home Upgrade to use union workers for electrification

# Attributable GHG reductions & costs for past spend and approved budget in the current budget forecast

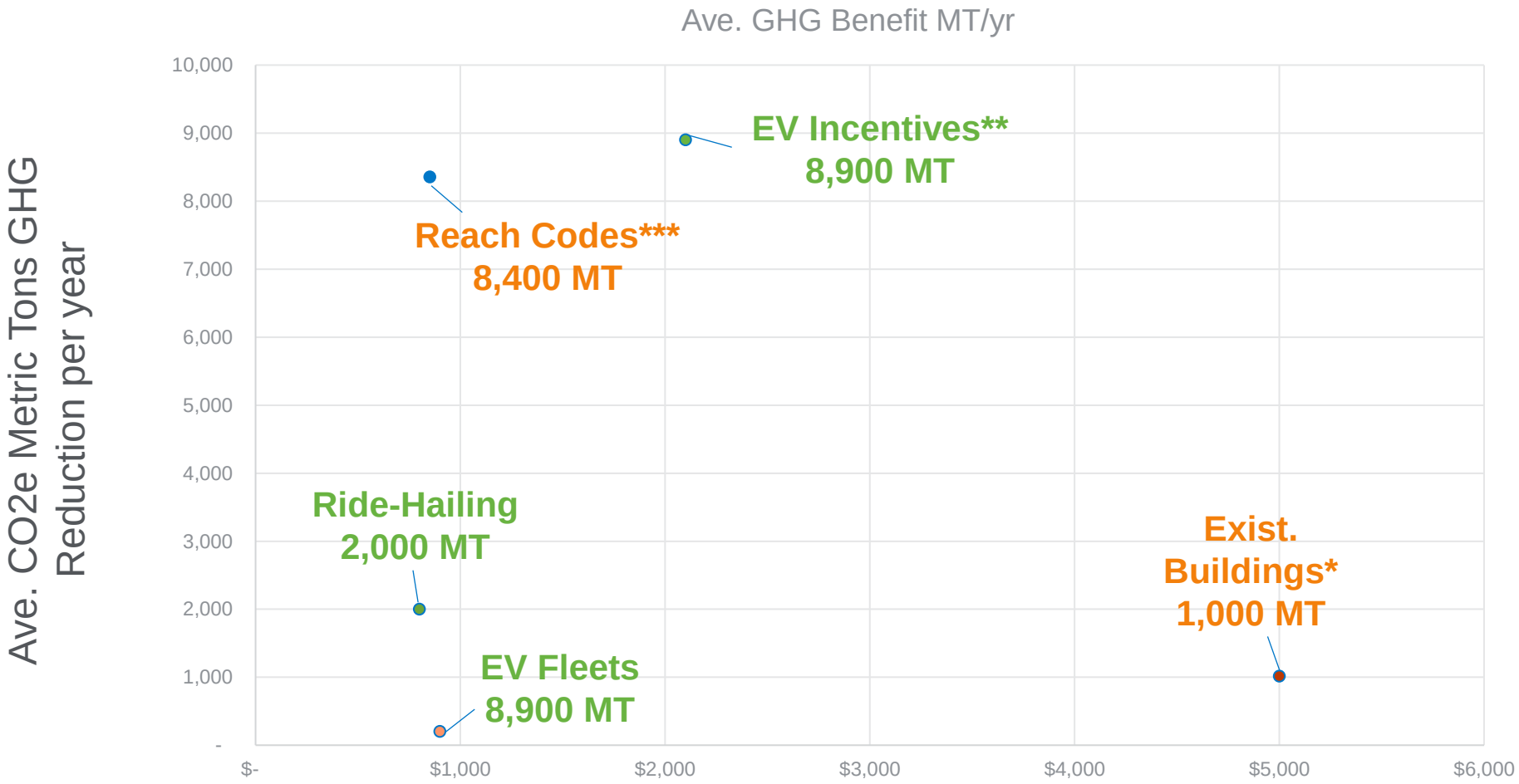



* Existing Buildings includes $2M low-income Homes program and $350k pilot

** EV Incentives includes higher incentive levels for low-income

*** Reach Codes includes city grants and developer technical assistance

# Attributable GHG reductions & costs for past spend and approved budget in the current budget forecast (detail)

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# Regular Agenda

8. Review of the Schools Engagement Programs (Discussion)

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# Schools Engagement Update

Tj Carter

Marketing Specialist

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# Engaging Schools in Clean Energy

Peninsula Clean Energy funds programs with local partners to expand environmental literacy in San Mateo County. We focus on programs that:


- Increase understanding of electricity content, usage, conservation and carbon emissions reduction
- Equip students (and their parents) with an understanding of their electric bill
- Increase understanding of Peninsula Clean Energy
- Encourage participation in our energy programs

# Completed Environmental Literacy Programs

## Energy Dashboard Pilot

Launched in 2019, San Carlos School District completed their Energy Dashboard project in 2020. The Dashboard visually displays utility usage data including waste, water, and energy.

# Current Environmental Literacy Programs

## One Planet Schools Challenge

Ongoing awards program that recognizes leaders who are driving environmental and social transformation across their school and greater community.

We provide five $500 awards for winners to expand project.

# Current Environmental Literacy Programs

## Youth Climate Ambassadors

Year-long paid fellowship for 9-11$^{th}$ grade students to learn about climate change, implement community projects, and create regional network of leaders.

Our funding provides program stipends for students and mini-grant funds for community energy projects.

# Current Environmental Literacy Programs

## Energize Colleges

Paid internship program placing community college students with local non-profits and public agencies to implement energy projects, while developing energy career pathways.

We funded a Climate Corp Fellow and 10 interns at the San Mateo County Community College District for 2021.

| Partner Host Sites |
| --- |
| Menlo Spark (1 intern) |
| Acterra (2 interns) |
| Coltura (1 intern) |
| San Mateo Office of Education (2 interns) |
| San Mateo Office of Sustainability (1 intern) |
| El Concilio (1 intern) |
| Climate Resilient Communities (1 intern) |
| San Mateo County Community College Dist. (1 intern) |

# Current Environmental Literacy Programs

**San Mateo Environmental Learning Collaborative Fellowships (SMELC)**

Suite of paid professional development programs for teachers and administrators to expand clean energy awareness in schools.

We have reached 49 teachers, 10 administrators, and over 1,665 students through our SMELC partnership with the Office of Education.

# Regular Agenda

9. Board Members' Reports (Discussion)

# Regular Agenda

## Adjourn