Peninsula Clean Energy
Board of Directors Meeting

June 27, 2019
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)
Introducing …

PCE’s new powerpoint template

Hope you like it!
Staffing Update

Welcome to Peter Levitt!

- Associate Distributed Energy Resources Strategy Manager

Positions filled:

- Senior Financial Analyst

Other open positions:

- Building Electrification Programs Manager
- Business Relationship Manager
Reach Codes Update

- All cities will be adopting new building codes this year

- Opportunity to adopt stronger codes for new building electrification and EV infrastructure through REACH CODES

- PCE working with SVCE and SJCE to promote this throughout the region

Encourage your city to sign the LOI for $10,000 funding to support your consideration of the Reach codes
### Reach Codes Update

<table>
<thead>
<tr>
<th>PCE Member Agency</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atherton</td>
<td></td>
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<tr>
<td>Belmont</td>
<td></td>
</tr>
<tr>
<td>Brisbane</td>
<td>LOI Received</td>
</tr>
<tr>
<td>Burlingame</td>
<td>LOI Received</td>
</tr>
<tr>
<td>Colma</td>
<td>(actively engaged)</td>
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<tr>
<td>Daly City</td>
<td></td>
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<tr>
<td>East Palo Alto</td>
<td></td>
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<tr>
<td>Foster City</td>
<td></td>
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<tr>
<td>Half Moon Bay</td>
<td></td>
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<tr>
<td>Hillsborough</td>
<td>(actively engaged)</td>
</tr>
<tr>
<td>Menlo Park</td>
<td></td>
</tr>
<tr>
<td>Millbrae</td>
<td>LOI Received</td>
</tr>
<tr>
<td>Pacifica</td>
<td>(actively engaged)</td>
</tr>
<tr>
<td>Portola Valley</td>
<td>LOI Received</td>
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<tr>
<td>Redwood City</td>
<td>LOI Received</td>
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<tr>
<td>San Bruno</td>
<td></td>
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<tr>
<td>San Carlos</td>
<td></td>
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<tr>
<td>San Mateo (City)</td>
<td>LOI Received</td>
</tr>
<tr>
<td>South San Francisco</td>
<td></td>
</tr>
<tr>
<td>Woodside</td>
<td>(actively engaged)</td>
</tr>
<tr>
<td>Unincorporated San Mateo County</td>
<td>LOI Received</td>
</tr>
</tbody>
</table>

### SVCE Member Agency

<table>
<thead>
<tr>
<th>SVCE Member Agency</th>
<th>Status</th>
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<tbody>
<tr>
<td>Campbell</td>
<td>LOI Received</td>
</tr>
<tr>
<td>Cupertino</td>
<td>LOI Received</td>
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<tr>
<td>Gilroy</td>
<td>LOI Received</td>
</tr>
<tr>
<td>Los Altos</td>
<td>LOI Received</td>
</tr>
<tr>
<td>Los Altos Hills</td>
<td>LOI Received</td>
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<tr>
<td>Los Gatos</td>
<td></td>
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<tr>
<td>Milpitas</td>
<td>LOI Received</td>
</tr>
<tr>
<td>Monte Sereno</td>
<td>(expressed interest)</td>
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<tr>
<td>Morgan Hill</td>
<td>LOI Received</td>
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<tr>
<td>Mountain View</td>
<td>LOI Received</td>
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<tr>
<td>Saratoga</td>
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<tr>
<td>Sunnyvale</td>
<td>LOI Received</td>
</tr>
<tr>
<td>Uninc. Santa Clara County</td>
<td>(expressed interest)</td>
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</tbody>
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Wright Solar Construction Update

Board Member Rick Bonilla, Board Member Emeritus John Keener, and PCE Staff members Siobhan Doherty, Chelsea Keys, and Charlsie Chang visited the Wright Solar installation yesterday, June 26
Wright Solar Construction Update
Legislative Update

Letters of Support submitted:

- AB 1424 (Berman) – not require credit card readers in existing or new EV chargers
- AB 684 (Levine) – research, develop and propose mandatory building standards for EV chargers in MUD and non-residential buildings
- SB 255 (Bradford) – improve opportunities for women, minorities, disabled veterans, and LGBTQ businesses to receive contracts from water and energy providers
- SB 49 (Skinner) – facilitate load management through standards for buildings and appliances

Letters of Opposition submitted:

- SB 155 (Bradford) – converts IRPs from planning documents into procurements mandates
- AB 56 (Garcia) – gives CPUC procurement authority over CCAs and requires unfair cost shifts
Handout - Board Member Expertise

Developing PCE Annual Report highlighting PCE activities

Including page on the PCE board:

- Add the one-term that best describes the expertise you bring to the PCE board
City specific meetings

Check-in’s – at least annually, with each city/town/county to:

- Meet with each city’s appointed members to PCE’s Board, and their City Manager if possible
- Gain perspective on city needs / priorities
- Share ideas and focus for the future

Before you leave tonight - Open your calendars and see Anne. Are you available on…

July 15 or 29 (morning coffee),
July 23, 25, or 29 for lunch,
July 26 for anything any time?
Executive Committee

Please note:

Meetings cancelled for July 8 and August 12
Regular Agenda

3. Citizens Advisory Committee Report (Discussion)
Regular Agenda

4. Appointment of Two New Members to the Citizens Advisory Committee (CAC) (Action)
Regular Agenda

5. Update on PCE’s Schools and Youth Engagement Projects (Discussion)
Peninsula Clean Energy & Schools

Goals

- Increase understanding of electricity content, usage, conservation and GHG emission reduction

- Equip students (and their parents) with an understanding of their electric bill and PCE as a part of it

- Increase understanding of PCE and its benefits
Schools Projects Overview

- Schools and Youth Networking and Outreach
- One Planet Schools Challenge
- STEM Fair
- Kids & Schools Webpage
- Dashboard Pilot
- Clean Energy Teacher Fellowship
- Schools Activity Packet
Classroom & Youth Group Presentations

- Joined San Mateo County Office of Education (SMCOE) Environmental Literacy Community of Practice
- Trained Cañada College students for PCE during Earth Month
- Presented to Woodside High School Green Academy classes
- Presented to youth groups like Cub Scouts
One Planet Schools Challenge

- Recognizes leaders who are driving environmental and social transformation across their school and greater community

- PCE sponsored the Zero Carbon award for $1,000
San Mateo County STEM Fair

- Hosted clean energy booth reaching 470 parents/students
- Awarded 3 Special Awards
- Received press coverage in 2018 from The Almanac

PCE Special Award Recipients

2018: Georgia Hutchinson
Woodside, 7th Grade

2018: Charlotte Sullivan
Belmont, 7th Grade

2019: Grace Bigelow-Luth
Half Moon Bay, 8th Grade
Schools and Youth – Educator Resources

Get started with your search for lessons with a climate and energy focus with these resources!

All about Energy:

- National Energy Education Development Project (NEED)
- Switch Energy Film & Education Project
Kids & Schools Website Tab

Created for teachers to find and utilize energy-related education and activities.

Includes:

- Climate Change Impacts & Factors
- Climate Action
- PCE Developed Teacher Resources
- Resource References

Webpages were created by our 2018 Ignited Teacher Fellow Andre Tan. Launched in August 2018.
Dashboard Pilot

- Goal: Educate teachers and students about energy use
- Online dashboard of school energy use in a student-friendly format that teachers can use in lesson plans
- Pilot in San Carlos School District in partnership with SMCOE 2019-2020
- PCE funded SMCOE for $9,500 and San Carlos School District for $25,000
Dashboard Pilot

ENERGY - GENERAL OVERVIEW

Energy demand is a key piece of an organization's ecological footprint, as energy is used for heat, lighting, plug loads, cooking, transportation, and more. This demand for energy has environmental, social, and economic impacts. Energy sourced from non-renewable resources (oil, gas, and coal) increases carbon emissions, which help heat the earth's atmosphere causing human-enhanced global warming and contributing to global climate change. Non-renewable energy consumption also has a social justice impact because the most vulnerable populations often live in areas hardest hit by climate change, and they often live in close proximity to sources of industrial pollution putting them at higher risk for asthma, cardiovascular respiratory disease, cancer and birth defects. Lastly, the cost of fossil fuel energy sources can be unreliable and vulnerable, putting an

Energy at SMCOE

The San Mateo County Office of Education (SMCOE) is responsible for energy demand across five properties throughout San Mateo County. Each property has a different mix of electricity and natural gas. Utilize the data below to better understand the energy demand at each property, and associated costs and emissions.

Energy in San Mateo County

Emissions / Last 12 months

Sustainability Overview Energy Water Waste

Electricity Consumption / Last 12 months

Jul 1, 2018 - Jun 30, 2019
13,310 kWh

Average temperature 59.1°F

Natural Gas Consumption / Last 12 months

Jul 1, 2018 - Jun 30, 2019
34,282 BTUs

Average temperature 59.1°F
Dashboard Pilot Timeline

- Presented at the 2019 San Mateo Environmental Learning Collaborative Summer Institute
- Dashboard announcement via press release with SMCOE July 2019
- Launch PCE webpage about pilot July 2019
- Pilot in San Carlos School District 2019-2020
- Evaluate results/feedback from San Carlos 2020
- Potential county-wide replication in 2020-2021
**SMELC Clean Energy Teacher Fellowship**

- **Summer Institute**: Learning intensive
- **Guided Implementation & Coaching**: Ongoing support from SMCOE
- **Final Deliverables**: Unit of study, reflection presentation, final ceremony
- **Community**: Support from community environmental partners
- **PCE sponsored 2019 Clean Energy Teacher Fellowship**

<table>
<thead>
<tr>
<th></th>
<th>PCE Sponsorship of Clean Energy Teacher Fellowship</th>
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<tbody>
<tr>
<td>Grades</td>
<td>Pre-K-12</td>
</tr>
<tr>
<td>Subjects</td>
<td>All</td>
</tr>
<tr>
<td>Stipend</td>
<td>$500/teacher</td>
</tr>
</tbody>
</table>
| Summer Institute               | 3 Days
  June 24-26                          |
| Unit Focus                     | Standards aligned problem-based learning unit focused on Energy Issues. |
| Professional Development       | Eligible for 3 Continuing Education Units         |
PCE Role in Summer Institute

- Developed Summer Institute curriculum
- Welcomed teachers on 1st Day and explained about the work we do
- Led segment of energy curriculum and explained PCE
- Presented about PCE Student Activity Packet & Dashboard
- Serve as a community partner helping teachers develop unit of study
Activity packet for high school math and science students to calculate the environmental and economic costs of electricity in San Mateo County.

Includes:
- Introduction to climate change and local impacts
- Renewable energy sources
- Understanding the PCE/PG&E energy bill
- Calculating costs of electricity for common appliances
- Calculating GHG emissions from using common appliances

Created by Andre Tan (local high school math teacher) and refined by Janet Creech (Math & Science Resource Teacher for Sequoia Union High School District) and PCE Communications Team.

PENINSULA CLEAN ENERGY
## Continuing Partnerships

### SMCOE Grant Summary

<table>
<thead>
<tr>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Planet Schools Challenge</td>
<td>$1,000</td>
</tr>
<tr>
<td>SMCOE Dashboard</td>
<td>$9,500</td>
</tr>
<tr>
<td>San Carlos School District Dashboard</td>
<td>$25,000</td>
</tr>
<tr>
<td>Clean Energy Fellowship</td>
<td>$25,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$60,500</strong></td>
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</tbody>
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### Future Planning

- Fund Clean Energy Fellowship 2020
- Fund dashboard in other school districts
Regular Agenda

6. Approve Fiscal Year 2018-2019 Budget Amendment (Action)
Regular Agenda

7. Fiscal Year 2019-2020 Budget Approval (Action)
Regular Agenda

8. Authorize an Extension to September 1, 2019 for the adjustment in Peninsula Clean Energy’s (PCE’s) rates to maintain a 5% discount in generation charges compared to PG&E (Action)
PCE 2019 Rate Adjustment

Leslie Brown, Director of Customer Care
2019 Rate Adjustments to-date

• Due to delays in the 2019 ERRA and AET approvals for PG&E, rate changes this year have been more challenging than normal
  • PG&E implemented smaller rate changes affecting Generation and FFS charges in March and May of this year already
  • PG&E will adjust rates again July 1, 2019 to implement new PCIA changes and more adjustments to Generation and FFS
2019 Rate Adjustments to-date

- PCE adjusted rates on May 1, 2019 to account for the March 1, 2019 Generation rate changes and the initial FFS changes.
- To maintain a 5% net Generation discount, PCE will need to adjust rates again July 1 to account for structural changes in the PCIA and the remaining PG&E Generation adjustments for 2019.
July 1, 2019 Rate Adjustment Impact

- PCE Staff estimates that the July 1 rate adjustment will have a net positive impact to PCE revenues of $6.3M.
- Projected increased revenues from Generation rate increases is $14.2M which is then offset by PCIA adjustments of approximately $8.0M.
Action Requested

Extend staff authorization to September 1, 2019 to adjust PCE rates to maintain a net 5% discount in Generation charges compared to PG&E.
Regular Agenda

9. Board Members’ Reports (Discussion)
Regular Agenda

Adjourn