Agenda

Call to order / Roll call

Public Comment

Action to set the agenda and approve consent items
1. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Title: Chief Executive Officer
2. CONFERENCE WITH LABOR NEGOTIATORS
3. RECONVENE OPEN SESSION AND REPORT ANY ACTION(S) TAKEN DURING CLOSED SESSION
Regular Agenda

1. Chair Report (Discussion)
2. CEO Report (Discussion)
Personnel Update

- Manager of Distributed Energy Resources (DER) Strategy
  - Re-posted position

- Regulatory Analyst / Senior Regulatory Analyst
• Thank you to all of the cities for designating your internal staff person

• Applications will be sent to EPA for all 21 PCE jurisdictions to receive Green Power Community status

• Applications will be sent to EPA for all ECO100 jurisdictions to receive Green Power Partnership status *

• Will be completed before end of 2018
EV Promotion

- 3 participating dealerships:
  - Putnam Nissan in Burlingame
  - Stewart Chevrolet in Colma
  - Peter Pan BMW in San Mateo – starting Monday, Oct 29

- Promotion continues through December 31

- Results will be communicated in January
Nov/Dec Regulatory/Legislative Meetings

• Assemblymember Marc Berman on November 27: Thank you to Jeff Aalfs and Cat Carlton

• Meeting with Senator Scott Wiener on November 27: Thank you to Jeff Aalfs, Rick Bonilla, and Cat Carlton

• Assemblymember Phil Ting on December 6: Thank you to Rick DeGolia and Daniel Yost

• Assemblymember Kevin Mullin’s staff on December 6: Thank you to Jeff Aalfs, Rick Bonilla, and Daniel Yost
Future Regulatory / Legislative Meetings

• Meet and Greet with CPUC Commissioner Liane Randolph
  – January 30, 1:00 pm

• Others are in the process of being scheduled
New CCA Formations

- Implementation plans submitted to CPUC for 5 more cities in southern California, through California Choice Energy Agency

- PCE focusing effort in 2019 to inform Merced County and its cities about CCA, where Wright Solar Project is located
CalCCA Local Elected Board Members Committee

• Purpose:
  • Get to know each other
  • Work collaboratively on legislative issues important to CCAs

• Meet quarterly with other elected board members from other CCAs

• Anyone else interested from PCE board?
3. Citizens Advisory Committee Report (Discussion)
4. Recognition of Retiring Board Members (Discussion)
5. Approve four new PCE policies designed to satisfy data-privacy and security requirements of the California Public Utilities Commission: (Action)

a. AMI* Data-Privacy and Security Policy
b. Privacy Notice
c. Information Technology Security Policy
d. Records Retention Policy

* Advanced Metering Infrastructure (AMI)
6. Approve 2019 Board of Directors Meeting Schedule (Action)
2019 Board of Directors Meeting Schedule

• The new year’s meeting schedule is approved by the Board before the end of each year

• Approved meeting dates become the “Regular Meeting” schedule for the public

• PCE’s Board meets the 4th Thursday/month, except September (Saturday retreat), and November and December to avoid holidays

• We will send calendar invitations for the 2019 meeting dates – please accept to add to your calendar

• Please invite your Alternate if you cannot attend
7. Approve the proposed PCE four-year $16 million Electric Vehicle Infrastructure Incentive Program (Action)
Request & Outcomes

**Request:** Board direction and approval of $16M EV Infrastructure Incentive Program

**Outcomes**

1. Implementation of EV infrastructure program
2. Position PCE for co-funding support from CEC, PG&E, VW, and BAAQMD
3. Deliver 3,500 ports
4. GHG reductions of 40M+ lbs CO2/yr
**Goal:** 3,500 EV charging ports

**Leveraged Funding:**
- $16 M PCE
- $45.3 M co-funding (PG&E, AQMD, others)

**Term:** 4 years, launch mid-2019

**Other Elements:**
- Outreach & Technical Assistance
- Workforce Development & Training
- Grid Readiness Standards
EV Infrastructure Primer: Charging Types

**AC Level One**
- **Voltage**: 120v 1-Phase AC
- **Amps**: 12–16 Amps
- **Charging Loads**: 1.4 to 1.9 kW
- **Charge Time for Vehicle**: 3–5 Miles of Range Per Hour

**AC Level Two**
- **Voltage**: 208V or 240V 1-Phase AC
- **Amps**: 12–80 Amps (Typ. 32 Amps)
- **Charging Loads**: 2.5 to 19.2 kW (Typ. 7 kW)
- **Charge Time for Vehicle**: 10–20 Miles of Range Per Hour

**DC Fast Charge**
- **Voltage**: 208V or 480V 3-Phase AC
- **Amps**: <125 Amps (Typ. 60 Amps)
- **Charging Loads**: <90 kW (Typ. 50 kW)
- **Charge Time for Vehicle**: 80% Charge in 20–30 Minutes
Infrastructure Challenges

Level 1 or 2 Costs: $6,000 - $20,000 per port
Fast Charge: $50,000 - $80,000 per port
## Volume & Incentives

<table>
<thead>
<tr>
<th>Segment</th>
<th>Port Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workplace (incl. municipal, schools, corporate)</td>
<td>1,800</td>
</tr>
<tr>
<td>Multi-unit dwellings (apartment, condo)</td>
<td>1,600</td>
</tr>
<tr>
<td>Fast charging</td>
<td>100</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>3,500</strong></td>
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</tbody>
</table>

- **Segment Distribution**: Potential count of ports by segment (illustrative only)
- **Incentives**: $1-5k based on segment, cost-share potential, low income (higher incentive for Fast Charge)
- **Revenue Margin**: $1.3M/year after buildout, under current conditions
- **GHG Benefit**: 60M+ e-miles/year starting 2024, 40M+ lbs CO2e/year
Primary Customers/Channels

• San Mateo School Districts & Community Colleges
• Large Low Income Apartments
• Large Multi Unit Dwelling (MUDs) Complexes & Associations
• Corporate & Commercial Campuses
• Religious institutions, community centers, government & NGOs (workplace + local MUD)
• Small MUDs & Workplaces

Specific PCE funding will vary by market segment, co-funding, population served and other factors.
Channel Example: Schools

- “Apple Pie” Customer
- Distributed Across Territory
- High Visibility Customer
- Low Acquisition Cost
- Existing “EV Ambassador” Pool
- Potential for Adjacent Apartment and Other Residential Use
Channel Example: Apartments

Owners of Multiple Parcels & Units

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Parcels Owned</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spiiker Companies, Inc.</td>
<td>957</td>
<td></td>
</tr>
<tr>
<td>MidPen Housing Corp.</td>
<td>1,350</td>
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<tr>
<td>Equity Residential</td>
<td>3,492</td>
<td></td>
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<tr>
<td>HIP Housing</td>
<td>151</td>
<td></td>
</tr>
<tr>
<td>Demiguel &amp; Johnson Llc</td>
<td>149</td>
<td></td>
</tr>
<tr>
<td>Thomas Culligan</td>
<td>394</td>
<td></td>
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<tr>
<td>Redwood Landing Properties, Inc.</td>
<td>91</td>
<td></td>
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<tr>
<td>Michaud Family Trust</td>
<td>158</td>
<td></td>
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<tr>
<td>HT Gong Real Estate Investmen</td>
<td>97</td>
<td></td>
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<tr>
<td>Essex Property Trust, Inc.</td>
<td>2,599</td>
<td></td>
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<tr>
<td>Prometheus Real Estate Group, Inc.</td>
<td>1,072</td>
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<tr>
<td>AIMCO</td>
<td>1,545</td>
<td></td>
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<tr>
<td>Richard Ott</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Woodmont Real Estate Services</td>
<td>496</td>
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<tr>
<td>BRIDGE Housing Corporation</td>
<td>862</td>
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</table>
Timing

Approval demonstrates “shovel ready” sites for upcoming CEC, Electrify America Phase 2 & other funding:

- PG&E Charge-Network participation (first come/first served, 7,500 port limit)
- California Energy Commission 2020
- Electrify America opportunities (Schools, turnkey installs, 2-10 chargers/site)
- BAAQMD funding
## PCE Programs: Overall Funds

<table>
<thead>
<tr>
<th>Funds in Thousands</th>
<th>FY18</th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
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</thead>
<tbody>
<tr>
<td><strong>Budget</strong> (June 2018 forecast)</td>
<td>$4,000</td>
<td>$6,000</td>
<td>$8,000</td>
<td>$10,000</td>
<td>$12,000</td>
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<tr>
<td><strong>Allocated Funds</strong> (below)</td>
<td>-</td>
<td>$1,610</td>
<td>$5,730</td>
<td>$5,530</td>
<td>$5,200</td>
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<tr>
<td><strong>Remaining Balance</strong></td>
<td>$4,000</td>
<td>$4,390</td>
<td>$2,270</td>
<td>$4,470</td>
<td>$6,800</td>
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### Program

<table>
<thead>
<tr>
<th>Program</th>
<th>FY18</th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
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</thead>
<tbody>
<tr>
<td>EV Infrastructure Incentive</td>
<td></td>
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<td></td>
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<td></td>
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<tr>
<td></td>
<td>$4,000</td>
<td>$4,000</td>
<td>$4,000</td>
<td>$4,000</td>
<td></td>
</tr>
<tr>
<td>Curbside/MUD Pilot</td>
<td>$330</td>
<td>$330</td>
<td>$330</td>
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<tr>
<td>2018 New EV Promotion Program (assumed to repeat)</td>
<td>$165</td>
<td>$250</td>
<td>$250</td>
<td>$250</td>
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<tr>
<td>Ride &amp; Drive EV Marketing</td>
<td>$60</td>
<td>$250</td>
<td>$250</td>
<td>$250</td>
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<tr>
<td>Low-Inc EV Incentive (assumed to repeat)</td>
<td>$200</td>
<td>$200</td>
<td>$200</td>
<td>$200</td>
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<tr>
<td>New Building Reach Codes &amp; Climate Action Plans</td>
<td>$375</td>
<td>$200</td>
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<tr>
<td>Community Pilots &amp; Other (assumed to repeat)</td>
<td>$480</td>
<td>$500</td>
<td>$500</td>
<td>$500</td>
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</tbody>
</table>
Next Steps

- Detailed program development
- Engage co-funders: CEC, PG&E, AQMD, VW
- Develop execution partnerships
8. Review 2019 Electronic Vehicle EV Ride & Drive Marketing Program expending up to $750,000 over the course of 3 years (Fiscal Year 2019-2020 through Fiscal Year 2022-2023) (Discussion)
EV Ride & Drive Marketing Program
December 20, 2018
2018 Outcomes

• Importance of direct experience
  – Navigant: >50% of those likely to adopt have ridden an EV
  – Event surveys: 12% adoption rate

• 2018 program
  – 5 events
  – 1057 experiences

• Remaining items
  – One event
  – Follow-on surveys
• Scale up program
  – Increase the number of participants
  – Engage a broader community
  – Maximize visibility of EVs and adopters

• RFP released December 10th
• Requires a minimum of 10 events
• $100,000 – 250,000 based on number of events
• Renewable up to 3 years
9. Approve Revisions to PCE’s Strategic Goals (Action)
10. Authorize an adjustment in Peninsula Clean Energy’s (PCE’s) rates in the first quarter of 2019 to maintain a 5% discount in generation charges compared to PG&E (Action)
PCE 2019 Rate Adjustment
December 20, 2018

Leslie Brown
Director of Customer Care
PCE 2019 Rate Adjustment Timeline

• June 2018: PG&E files 2019 Energy Resource Recovery Account (ERRA) Application with projected revenue requirements

• August 2018: PG&E files Annual Electric True-up (AET) with projected 2019 rates based on updates to date from June data

• November 2018: PG&E files ERRA update with revenue adjustments. Preliminary analysis indicates more adjustments coming before final Gen rates will be set.
• PCIA increasing (in flux)
• PG&E Generation rates still in flux between ERRA updates and December AET
• Allocations between rate classes is changing
• PCE is committed to maintaining a 5% discount in 2019
PCE 2019 Rate Adjustment

• How Does PCE Currently Calculate Rates?
  – PG&E Generation Rate x 95%
  – Subtract PCIA
  – Subtract FFS
  – Result = PCE Rate

PCE Generation Savings = 5%
PCE 2019 Rate Adjustment

• Action requested tonight:
  – Authorize staff to make adjustments in PCE’s rates in 2019 to maintain a 5% discount in generation charges compared to PG&E
11. Board Members’ Reports (Discussion)