Agenda

• Call to Order / Roll Call

• Public Comment (for items not on the Agenda)

• Action to set the Agenda and Approve Consent Items 1-7
  o Consent - Public Comment
8. Chair Report (Discussion)

Regular Agenda
9. CEO Report (Discussion)

Regular Agenda
Staffing Updates

• Eric Hall has joined us as Interim CFO

• Search firm selected for COO search
### Peninsula Clean Energy Approval Process for CC Power Long Duration Storage Project

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/12</td>
<td>October Executive Committee</td>
<td>Provide background</td>
</tr>
<tr>
<td>10/28</td>
<td>October Board Meeting</td>
<td>Provide Board with background on project</td>
</tr>
<tr>
<td>11/4</td>
<td>Procurement Subcommittee</td>
<td>Deeper dive on project and contract</td>
</tr>
<tr>
<td>11/8</td>
<td>12/6 1/10 November-January 2022 Executive Committee (if agreements are ready)</td>
<td>Provide any updates</td>
</tr>
</tbody>
</table>
| 11/18/22 or earlier | 12/16 1/27 or earlier January Board Meeting (or possibly a special board meeting in January) | Vote on CC Power participation  
                             Vote on Peninsula Clean Energy participation |
| 12/16 1/27/22 3/24/22 | December-March Board Meeting                                              | Report back on status of CC Power vote                                         |

Possible CC Power board meeting January 19 to review final agreements and vote on CC Power participation in Tumbleweed project.

Review and vote by PCE board at either a) special board meeting in January or b) January 27 board meeting to consider:
1) CC Power participation in Tumbleweed project and  
2) PCE participation in Tumbleweed project.
Other Updates

• Rate and PCIA changes
  o Schedule unclear – could be March 2022

• Meetings with cities

• Meetings with legislators
Upcoming Meetings

- **Executive Committee:**
  - January 10 at 10:00 a.m. (Zoom)

- **Citizens Advisory Committee:**
  - January 13 at 6:30 p.m. (Zoom)

- **Board of Directors:**
  - January 27 at 6:30 p.m. (Zoom)
10. Citizens Advisory Committee Report (Discussion)

Regular Agenda
11. Update on Schedule and Activities for the Los Banos Enrollment

Regular Agenda
• October 2020: the Peninsula Clean Energy Board voted to expand, and Los Banos City Council voted to join Peninsula Clean Energy
• November 2020: the Mayor of Los Banos joined the Peninsula Clean Energy Board
• Enrollment begins in April 2022

The City of Los Banos, pop. 42,869, is in Merced County near the Wright Solar Project
Los Banos Enrollment has been a Team Effort

• **Power Resources**
  o Refining load projections and ensuring we have everything in place to serve Los Banos (RA, scheduling, etc.)

• **Programs**
  o Reworking program requirements, expanding vendor relationships, and modifying applications to make as many current programs available as possible to Los Banos in April

• **Legislative & Government Affairs**
  o Los Banos Implementation Plan, DAC-GT program expansion for Los Banos, meeting with local elected officials
Team Effort (Continued)

• Marketing and Community Relations
  o Hired Los Banos based staff member (Sandra Benetti)
  o Developing marketing collateral, advertising, planning community events, networking with community leaders, creating new enrollment notices

• Account Services
  o Planning overall enrollment schedule
  o Operational logistics with Calpine and PG&E, updating contact center talking points for Calpine CSR’s, regular check-ins with Los Banos City staff.
Enrollment Process and Timeline

- Los Banos customers will receive a series of enrollment notices (4) in the mail introducing Peninsula Clean Energy, the benefits of participating in the program, as well as information on how to opt-out if the customer would prefer to stay with PG&E for generation service
  - Notice #1 (60-days pre-enrollment)
  - Notice #2 (30 days pre-enrollment)
  - Notice #3 (30 days post enrollment)
  - Notice #4 (60 days post enrollment)
Net Energy Metering (NEM) Phased Enrollment

- Solar customers with a current annual true-up with PG&E in January, February, March or April will be enrolled in Peninsula Clean Energy in April 2022 with the rest of the non-solar customers.

- Solar customers with a current true-up with PG&E during May-December 2022 will be enrolled during their True-up month.

- The phased enrollment plan is intended to minimize disruption by aligning PCE enrollment with the normal PG&E true-up for most customers.
Participation Rate Projections

- Recent CCA expansions have higher opt-out/lower participation rates than the primary enrollment
  - EBCE expansions to Livermore and Tracy had a 12.5% and 8.25% opt-out rate respectively
- Participation rate is expected to be lower in Los Banos than San Mateo County
  - Higher percentage of CARE/FERA customers
  - TOU-C Transition in Feb 2022
  - ~15K accounts, 85%+ participation rate would be successful
Community Outreach To Date

✔ Hired Sandra Benetti as Associate Manager, Community Relations
✔ Created fact sheet for Los Banos
✔ Created web page and FAQ
✔ Met with four City Council members
✔ Presented to Los Banos Chamber of Commerce Board of Directors
✔ Tabled at community events:
  ✔ National Night Out
  ✔ Party in the Park

Sandra Benetti at the Los Banos Party in the Park event in October 2021
Upcoming Community Outreach

- Meetings with key community leaders
- Presentations to community groups
- Social media and blogs
- Inserts in utility bills, potentially school packets as well
- Tabling at community events
- Local advertising
- Local media outreach
- Community sponsorships

Materials and outreach are provided in both English and Spanish as needed by our bilingual staff.
Reach Codes Update

Board of Directors
December 16, 2021
Reach Code Initiative

Model codes and technical assistance
25 adopters out of 54 statewide
Innovation in codes & strategy

GHGs Projected: 13,000 tons/year if all SMC cities adopt (equiv. to 1.5M gallons of gas)

Lead Agencies

www.peninsulareachcodes.org
### Reach Code Adoption in San Mateo County

<table>
<thead>
<tr>
<th>Member Agency</th>
<th>Reach Code Status</th>
<th>Building (proposed)</th>
<th>EV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brisbane</td>
<td>Adopted</td>
<td>All-electric w/ exceptions</td>
<td>PCE model code (variant)</td>
</tr>
<tr>
<td>Burlingame</td>
<td>Adopted</td>
<td>All-electric w/ exceptions</td>
<td>PCE model code (variant)</td>
</tr>
<tr>
<td>Daly City</td>
<td>Adopted</td>
<td>All-electric w/ exceptions</td>
<td>PCE model code</td>
</tr>
<tr>
<td>East Palo Alto</td>
<td>Adopted</td>
<td>All-electric w/ exceptions</td>
<td>PCE model code (variant)</td>
</tr>
<tr>
<td>Millbrae</td>
<td>Adopted</td>
<td>All-electric w/ exceptions</td>
<td>PCE model code (variant)</td>
</tr>
<tr>
<td>Menlo Park</td>
<td>Adopted</td>
<td>All-electric w/ exceptions</td>
<td>(existing EV code)</td>
</tr>
<tr>
<td>Pacifica</td>
<td>Adopted</td>
<td>All-electric w/ exceptions</td>
<td>(existing EV code)</td>
</tr>
<tr>
<td>County of San Mateo</td>
<td>Adopted</td>
<td>All-electric w/ exceptions</td>
<td>PCE model code</td>
</tr>
<tr>
<td>Redwood City</td>
<td>Adopted</td>
<td>All-electric w/ exceptions</td>
<td>PCE model code</td>
</tr>
<tr>
<td>San Mateo</td>
<td>Adopted</td>
<td>All-electric w/ exceptions (updated)</td>
<td>Increase EV capable</td>
</tr>
<tr>
<td>San Carlos</td>
<td>Adopted</td>
<td>All-electric w/ exceptions (updated)</td>
<td>PCE model code</td>
</tr>
<tr>
<td>South San Francisco</td>
<td>Adopted</td>
<td>All-electric w/ exceptions (residential)</td>
<td>PCE model code</td>
</tr>
<tr>
<td>Colma</td>
<td>Adopted</td>
<td>Prewiring required</td>
<td>Increase EV capable</td>
</tr>
<tr>
<td>Half Moon Bay</td>
<td>1st reading 12/7</td>
<td>All-electric new construction,</td>
<td>PCE model code</td>
</tr>
<tr>
<td></td>
<td>passed 2nd reading</td>
<td>remodels, and “end of flow” 2045</td>
<td></td>
</tr>
<tr>
<td></td>
<td>scheduled 12/21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portola Valley</td>
<td>1st reading TBD</td>
<td>(All-electric w/ exceptions)</td>
<td>(existing EV code)</td>
</tr>
<tr>
<td>Atherton, Belmont</td>
<td>Under development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foster City,</td>
<td></td>
<td>Staff discussions or Council</td>
<td></td>
</tr>
<tr>
<td>Hillsborough, San</td>
<td></td>
<td>briefing done</td>
<td></td>
</tr>
<tr>
<td>Bruno</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woodside</td>
<td>Declined</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Santa Clara County Adopted: 15
2022 Reach Codes

• Building energy codes are updated by the State every 3 years
• (Most) reach codes are part in energy codes so need to be “re-upped”
• The next State update is in 2022
• Updating the model reach codes to meet updated State requirements
• Areas covered:
  o Buildings: all-electric in all building types
  o EV Readiness: increased EV readiness in all building types with a special emphasis on 100% access in multi-family
## EV Model Reach Code

### Large, multi-family housing

<table>
<thead>
<tr>
<th>Requirements</th>
<th>2019 Model Reach Code</th>
<th>2022 CALGreen Proposal</th>
<th>2022 Model Reach Code Proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 25% Level 2 EV Ready</td>
<td>• EV Chargers: 5%</td>
<td>• EV chargers: 40% of spaces (with power management)</td>
<td></td>
</tr>
<tr>
<td>• 75% Level 1 EV Ready</td>
<td>• Low Power EV Ready (outlets): 25%</td>
<td>• Level 1 outlets: Remainder of res. units with a parking space</td>
<td></td>
</tr>
<tr>
<td>Access</td>
<td>100%</td>
<td>40%</td>
<td>100%</td>
</tr>
<tr>
<td>Notes</td>
<td>• Load management explicitly allowed</td>
<td>• Retrofits needed to convert EV Capable spaces and increase access</td>
<td>• Load management explicitly allowed</td>
</tr>
<tr>
<td></td>
<td>• No retrofits later</td>
<td></td>
<td>• No retrofits later</td>
</tr>
</tbody>
</table>

### Definitions:
- **Level 1**: standard outlet. 50-70 miles in 10 hours overnight
- **Level 2**: equivalent to dryer circuit. Up to 250 miles overnight
- **CALGreen Low Power**: between Level 1 and 2. About 100 mi. overnight
- **EV Chargers**: Level 2 with full charger
- **EV Ready**: Outlet
- **EV Capable**: panel capacity and conduit. No circuit. Must be installed.
<table>
<thead>
<tr>
<th></th>
<th>2019 Reach Code</th>
<th>2022 CEC Code Changes</th>
<th>2022 Reach Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Legislative Process</strong></td>
<td>CEC Process</td>
<td></td>
<td>Energy code or municipal, or gas-ban</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Electric-preferred or All-electric</td>
<td>-Requires heat pump space heating for single-family -Change to all-electric baseline in single family</td>
<td>All-electric</td>
</tr>
<tr>
<td><strong>Make-ready</strong></td>
<td>Required in electric-preferred model code</td>
<td>Required for all single-family end uses.</td>
<td></td>
</tr>
<tr>
<td><strong>Exemptions</strong></td>
<td>-Recently entitled multi-family -Restaurants -Hotel laundry -Buildings with no compliance pathway</td>
<td>N/A</td>
<td>Fewer exceptions</td>
</tr>
<tr>
<td><strong>Existing Buildings</strong></td>
<td>N/A</td>
<td></td>
<td>Focus area</td>
</tr>
</tbody>
</table>
Reach Codes for Existing Buildings

Approach

• Model code offered to all jurisdictions
• Co-adoption with New Construction encouraged
• Interactive process for specific requests from agencies

Concepts for Existing Building Codes

• Long-term goal for decommissioning of gas lines
• Electrification at specific intervention points
  o End of equipment life
  o Major renovations / minor retrofits
  o Panel upgrades for other work
  o Time of sale (not recommended)
• Low / no-cost measures
  o All air conditioners are heat pumps
  o Retail and small office hot water heaters
  o Make ready requirements
### Key Hurdles for Existing Buildings

<table>
<thead>
<tr>
<th>Hurdle</th>
<th>Potential Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appliance costs</td>
<td>Incentive layering and scaling</td>
</tr>
<tr>
<td>Installation costs</td>
<td>Targeted turnkey programs and piloting of low-amp equipment</td>
</tr>
<tr>
<td>Panel and service upgrades</td>
<td>Right-sizing strategy in design to minimize service upgrades</td>
</tr>
<tr>
<td>Confusion among public</td>
<td>Targeted education and information campaigns. Data collection on real-world pricing</td>
</tr>
<tr>
<td>Equity issues (unfair burden)</td>
<td>Income qualified incentives, increased technical assistance.</td>
</tr>
<tr>
<td>Split incentive / renter-tenant issue</td>
<td>Tariff on-bill finance, renter-specific initiatives.</td>
</tr>
</tbody>
</table>
Stakeholder Engagement Plan

**December 2021**
Finalize stakeholder engagement plan & Board briefing

**Jan-Feb 2022**
Four (4) virtual stakeholder workshops for code feedback:
- Jurisdiction Staff
- Developers
- Public / General

**May-July 2022**
Finalize model code

**July-Nov 2022**
Jurisdiction adoption process
Workshops: Tentative Schedule

• City Staff Kickoff Meeting – January 26, 2022, 11am-12:30pm

• City Staff Feedback Event – February 17, 2022, 10am-12pm

• Building Industry Feedback Event – February 15, 2022, 10am-12pm

• Community Feedback Event – February 16, 2022, 6pm-7:30pm
Discussion
13. Update on 24/7 White Paper (Discussion)

Regular Agenda
14. Approval of a Revised 2022 Board of Directors Schedule of Meetings (Action)
15. Board Members’ Reports (Discussion)

Regular Agenda
Adjournment