Agenda

• Call to Order / Roll Call

• Public Comment (for items not on the Agenda)

• Action to set the Agenda and Approve Consent Items 1-2
  o Consent - Public Comment

• Regular Agenda

• Adjournment
Chair Report (Discussion)
October 27, 2022
Open Positions

- Director of Power Resources
- Marketing Communications Specialist / Senior Specialist
Public EV Fleet Program Webinar – 11/16

November 16, 2022, 10 – 11 AM, via Zoom

• Lean about Peninsula Clean Energy’s new Public EV Fleet Program
• Overview of the new program, the free resources offered, such as EV fleet replacement guidance, infrastructure designs, and energy management systems
• Funding also available
• Fleet managers encouraged to attend to learn about the program

Register at
https://pencleanenergy.zoom.us/meeting/register/tZMtduysrTMpE9a0jtsrm2m2vIM0CnO0IHBs
Other Updates

• Comments due to CPUC on November 3 on PG&E proposal to form new subsidiary, Pacific Generation
Upcoming Meetings

• Citizens Advisory Committee:
  o November 3 at 6:30 p.m. (Zoom)

• Audit and Finance Committee:
  o November 7, at 8:30 a.m. (Zoom)

• Executive Committee:
  o November 77 at 10:00 a.m. (Zoom)

• Board of Directors:
  o November 17 at 6:30 p.m. (Zoom)
The Board is in Closed Session to consider:

6. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Title: Chief Executive Officer

7. CONFERENCE WITH LABOR NEGOTIATORS
Agency Designated Representatives: Rick DeGolia and David Silberman; Unrepresented Employee: Chief Executive Officer

and will reconvene shortly.
8. Reconvene Open Session (If Necessary) To Report Any Action(s) Taken During Closed Session
12. Approve the Results of the Integrated Resource Plan Analysis

October 27, 2022
Sara Maatta
Senior Renewable Energy and Compliance Analyst, Power Resources
Recommendation

Approve the results of the 2022-2023 Integrated Resource Plan analysis and submission of results as presented by staff, or in a form substantially similar to that presented by staff, and delegate authority to the CEO to prepare and submit the final narrative and data templates to the CPUC by November 1, 2022.
Agenda

1. Background
2. 2022-2023 IRP Filing Requirements
3. How Does the IRP Differ from Our 24x7 Analysis and Planning?
4. Community Outreach
5. Modeling Approach
6. Modeling Results
7. Submission Requirements
Background
Regulatory Background

• The Integrated Resource Plan is the “umbrella” planning proceeding to consider all of CPUC’s electric procurement policies and programs and ensure California electric supply is:
  o Safe
  o Reliable
  o Affordable
Regulatory Background: GHG Emissions

- The IRP implements SB350 (2015) and SB100 (2018)
- SB 350:
  - Set the Renewable Portfolio Standard (RPS) to 50% by 2030
- SB 100:
  - Accelerated the RPS to 50% by 2025 and 60% by 2030
  - Mandated a zero-carbon goal for all retail electricity by 2045

Regulatory Background: GHG Emissions

- 2022 IRP is using state-wide planning targets of 30MMT and 25MMT in 2035\(^1\)
  - Joint Agency Report on SB100 (2021)\(^1\) indicates that ~15MMT remain in 2045 due to biofuels and emissions outside the scope of SB100
  - Peninsula Clean Energy has opposed using the 15 MMT target in 2045: we support a 5 MMT target

<table>
<thead>
<tr>
<th>Scenario</th>
<th>2030 State-wide Emissions goal</th>
<th>2035 State-wide Emissions Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 MMT Scenario</td>
<td>38 MMT</td>
<td>30 MMT</td>
</tr>
<tr>
<td>25 MMT Scenario</td>
<td>30 MMT</td>
<td>25 MMT</td>
</tr>
</tbody>
</table>

1. [https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M451/K412/451412947.PDF](https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M451/K412/451412947.PDF)
Peninsula Clean Energy Assigned GHG Emissions Targets

- Peninsula Clean Energy’s share of GHG Emissions targets

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>30 MMT Scenario</td>
<td>38 MMT</td>
<td>30 MMT</td>
<td>0.53 MMT</td>
<td>0.42 MMT</td>
</tr>
<tr>
<td>25 MMT Scenario</td>
<td>30 MMT</td>
<td>25 MMT</td>
<td>0.40 MMT</td>
<td>0.33 MMT</td>
</tr>
</tbody>
</table>

A single portfolio may meet both requirements, if it meets or exceeds the 25 MMT scenario targets
Timing of the CPUC IRP Process

• The CPUC IRP Process is a 2-year process
  o First year: LSEs submit IRPs to CPUC
  o Second year: CPUC aggregates individual IRPs and conducts production cost modeling and a reliability assessment to develop a Preferred System Plan
• Initial reporting year was 2018, the second reporting year was 2020
• Reporting for the current cycle (2022-2023) is due November 1, 2022
2022-2023 IRP Filing Requirements
2022-2023 Filing Requirements, cont.

• Conforming portfolios:
  o Use the CPUC-assigned load and peak load forecasts
  o Meet or exceed the emissions targets
  o Meet or exceed the LSE’s reliability need in all years of the planning horizon
  o Use other assumptions consistent with CPUC’s modeling
  o All filing documents must be complete
  o Plans must be consistent with all state goals
How Does the IRP Differ from Our 24x7 Analysis and Planning?
CPUC IRP vs 24x7 Analysis

- The CPUC IRP process requires us to use specific assumptions that we do not think are realistic for our service territory or our portfolio.
- We believe our 24x7 results more accurately reflect our portfolio planning, but the IRP is generally indicative of our planning.

<table>
<thead>
<tr>
<th>Modeling Assumption</th>
<th>2022-2023 CPUC IRP Required Assumption</th>
<th>24x7 Analysis Assumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Forecast</td>
<td>CPUC-assigned volumes</td>
<td>Internally-developed forecast volumes</td>
</tr>
<tr>
<td>EV Adoption</td>
<td>Moderate</td>
<td>High</td>
</tr>
<tr>
<td>BTM Solar Adoption</td>
<td>High</td>
<td>Low to Moderate</td>
</tr>
<tr>
<td>Building Electrification</td>
<td>Low</td>
<td>Not explicitly modeled</td>
</tr>
<tr>
<td>Resource Adequacy Rules</td>
<td>Customized rules developed for the IRP process</td>
<td>Current RA market rules, with forecast for future years</td>
</tr>
</tbody>
</table>
Community Outreach
Community Outreach

• Citizens Advisory Committee, July 2022
  o Discussed filing requirements and modeling approach

• Executive Committee, October 12, 2022
  o Reviewed final IRP results

• Citizens Advisory Committee, October 13, 2022
  o Reviewed final IRP results and solicited feedback from the community
Modeling Approach
Peninsula Clean Energy Modeling Approach

• Develop a single conforming portfolio to meet both 30MMT and 25MMT scenarios
  o Target 100% renewable on an annual basis
  o Target our 24x7 renewable goal at 95% hourly on a planning basis
    o More conservative implementation than the 99% hourly recommendation
    o Assume 75% resale of excess RA and RECs

• Perform all modeling, portfolio selection, and data template preparation internally
Peninsula Clean Energy Modeling Approach, cont.

• Step 1: Deterministic Resource Selection in the MATCH model
  o Select the cost-optimal portfolio that meets our goals for each year

• Step 2: Stochastic Portfolio Analysis in PowerSimm
  o Evaluate the performance of the selected portfolios under a variety of possible weather patterns and market prices
  o Provides estimates on the range of likely outcomes
Modeling Results
Peninsula Clean Energy 2022-2023 IRP Preferred Portfolio

Peninsula Clean Energy 2022-2023 IRP Preferred Portfolio
(Current Portfolio + Additional Procurement)

<table>
<thead>
<tr>
<th></th>
<th>Current Portfolio</th>
<th>IRP_2024_Run</th>
<th>IRP_2026_Run</th>
<th>IRP_2030_Run</th>
<th>IRP_2035_Run</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
<td>116</td>
<td>202</td>
<td>321</td>
<td>592</td>
<td>646</td>
</tr>
<tr>
<td>Solar_Thermal</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solar_PV</td>
<td>502</td>
<td>502</td>
<td>691</td>
<td>816</td>
<td>916</td>
</tr>
<tr>
<td>Onshore_Wind</td>
<td>320</td>
<td>386</td>
<td>700</td>
<td>603</td>
<td>429</td>
</tr>
<tr>
<td>Offshore_Wind</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td>288</td>
</tr>
<tr>
<td>Small_Hydro</td>
<td>12</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>11</td>
</tr>
<tr>
<td>Geothermal</td>
<td>61</td>
<td>61</td>
<td>84</td>
<td>84</td>
<td>49</td>
</tr>
</tbody>
</table>
• Peninsula Clean Energy’s Preferred Portfolio performs better than our share of state-wide emissions targets in both the 30 MMT and the 25 MMT Scenarios.

<table>
<thead>
<tr>
<th>Scenario</th>
<th>2030 Peninsula Clean Energy Share of Emissions goal</th>
<th>2035 Peninsula Clean Energy Share of Emissions Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 MMT Scenario Goal</td>
<td>0.53 MMT</td>
<td>0.42 MMT</td>
</tr>
<tr>
<td>25 MMT Scenario Goal</td>
<td>0.40 MMT</td>
<td>0.33 MMT</td>
</tr>
<tr>
<td>Peninsula Clean Energy Selected Portfolio</td>
<td><strong>0.05 MMT</strong></td>
<td><strong>0.01 MMT</strong></td>
</tr>
</tbody>
</table>

A single portfolio may meet both requirements, if it meets or exceeds the 25 MMT scenario targets.
Reliability Metrics

- Peninsula Clean Energy’s Preferred Portfolio is reliable.

<table>
<thead>
<tr>
<th>Years</th>
<th>2024</th>
<th>2026</th>
<th>2030</th>
<th>2035</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak load met by effective load carrying capacity of resources in the Preferred Portfolio?</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Submission Requirements
Submission Requirements

• Required submission to the CPUC on November 1, 2022:
  o Narrative template
  o Resource Data Template (RDT)
  o Clean Power System Calculator (CSP)

• Confidentiality
  o Market sensitive information will remain confidential
  o We will submit confidential and public (redacted) versions of all documents

• Public Access
  o We will post public (redacted) versions of our entire submission on our website by Monday, October 31, 2022
Recommendation

Approve the results of the 2022-2023 Integrated Resource Plan analysis and submission of results as presented by staff, or in a form substantially similar to that presented by staff, and delegate authority the CEO to prepare and submit the final narrative and data templates to the CPUC by November 1, 2022
14, 15, 16 Authorize PPA Agreements

Chelsea Keys, Interim Director of Power Resources
Sara Maatta, Senior Renewable Energy and Compliance Analyst
October 27, 2022
Agenda

1. 2021 RFO Summary
2. CPUC Mid-Term Reliability Procurement Mandate
3. Environmental Review
4. Nova Power Bank
5. Whitegrass No. 2 Geothermal
6. Snow Mountain Hydro (Burney Creek)
7. Supply Stack
8. Fit with Strategic Plan
9. Recommendations
   1. Nova Power Bank
   2. Whitegrass No. 2
   3. Snow Mountain Hydro
2021 RFO Summary
2021 RFO Background

<table>
<thead>
<tr>
<th>2021 RFO Timeline</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Solicitation Released</td>
<td>11/15/2021</td>
</tr>
<tr>
<td>Offers Due</td>
<td>1/15/2022</td>
</tr>
<tr>
<td>Projects Shortlisted</td>
<td>2/28/2022</td>
</tr>
<tr>
<td>Contract Execution</td>
<td>Q4 2022</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summary of Offers</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Participants</td>
<td>34</td>
</tr>
<tr>
<td>Number of Projects</td>
<td>70</td>
</tr>
<tr>
<td>Number of Offer Variants</td>
<td>106</td>
</tr>
<tr>
<td>Earliest COD</td>
<td>9/1/2022</td>
</tr>
<tr>
<td>Latest COD</td>
<td>1/1/2026</td>
</tr>
<tr>
<td># of Projects in California</td>
<td>65</td>
</tr>
<tr>
<td># of Projects outside California</td>
<td>5</td>
</tr>
</tbody>
</table>

- Nova, Whitegrass, and Burney Creek were all offered and shortlisted as part of the 2021 RFO
CPUC Mid-Term Reliability Procurement Mandate
Peninsula Clean Energy Allocation

**Procurement Obligation in NQC\(^1\) MW for Peninsula Clean Energy by Category and Year**

<table>
<thead>
<tr>
<th>Procurement Category</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zero-emissions generation, generation paired with storage, or demand response resources(^2)</td>
<td>-</td>
<td>-</td>
<td>47</td>
<td>-</td>
<td>47</td>
</tr>
<tr>
<td>Firm zero-emitting resources(^3)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>Long-duration storage resources(^3,4)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>Remaining New Capacity Required</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>132</td>
</tr>
<tr>
<td><strong>Total Annual Net Qualifying Capacity (NQC) Requirements</strong></td>
<td><strong>38</strong></td>
<td><strong>113</strong></td>
<td><strong>28</strong></td>
<td><strong>38</strong></td>
<td><strong>217</strong></td>
</tr>
</tbody>
</table>

(Whitegrass geothermal and Nova Power storage projects will contribute toward these MTR categories)

1. Obligation is in NQC MW (not nameplate) and subject to ELCC factor
2. Zero-emissions resources required to replace Diablo Canyon must be procured by 2025 but may occur in any of the years 2023-2025; therefore, the columns do not add to the total.
3. LSEs may request an extension by February 1, 2023, up to 2028 for the LLT resources.
4. Minimum 8-hour discharge
Projects MTR Procurement Requirements

- Peninsula Clean Energy is planning for Whitegrass and Nova projects to satisfy some portion of its requirements.
  - Whitegrass project to satisfy 5.7 MW of its 19 MW total FCR obligation, which is the amount of NQC that a 6 MW geothermal project qualifies for under the MTR.
  - Nova project to satisfy 37 MW of its 179 MW total zero-emissions obligation, which is the amount of NQC that a 50 MW storage project such as Nova qualifies for under the MTR.
Environmental Review
Environmental Review Process

• Staff worked with environmental non-profits to develop a system for evaluating the environmental impact of projects.

• Staff studied the geospatial footprint of the project to evaluate whether the project is located in a restricted or high conflict area for renewable energy development:
  o Protected areas at the federal, state, regional, local level (e.g. County-designated conservation areas, BLM Areas of Critical Environmental Concern, critical habitat for listed species, national, state, county parks, etc.).
  o Identified and mapped important habitat and habitat linkages, especially for threatened and endangered species (either state or federally listed).

RETI: https://reti.databasin.org/
Environmental Review Results

• Nova: The project is not located in a protected area based on the USGS Protected Areas Database (PAD-US) or in an area not suitable for renewable energy development as identified by the Renewable Energy Transmission Initiative (RETI).

• Whitegrass: The project was partially located in a protected area based on the USGS Protected Areas Database (PAD-US).
  o The project has sited wellheads and pipelines to avoid environmental impacts.

• Burney: The project was not located in a protected area based on the USGS Protected Areas Database (PAD-US).
  o Per the most recent inspection by Federal Energy Regulatory Commission representatives, the project is in compliance with all environmental requirements.
Nova Power Bank
# Nova Power Bank – Project Overview

<table>
<thead>
<tr>
<th><strong>Project Owner</strong></th>
<th>Nova Power, LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Developer</strong></td>
<td>Calpine Corporation</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Riverside County, CA (City of Menifee)</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td>Lithium-ion battery (4-hour)</td>
</tr>
</tbody>
</table>
| **Capacity**      | PCE share: 50 MW / 200 MWh  
Total Planned Capacity: 680 MW |
| **Term**          | 15 years |
| **Delivery Start**| August 1, 2024 |
| **Project Site**  | The site previously hosted the 750 MW Inland Empire combined cycle gas turbine which ceased operations Dec 2019. Now the site will serve Nova Power Bank, using existing interconnection. Not located in DAC. |

Nova Power Project Vicinity Map
Contract Structure

• Pay for 50 MW of capacity at a fixed $/kilowatt-month rate, no escalation
• Contract term: 15 years
• Peninsula Clean Energy is entitled to all capacity attributes from the facility:
  o Storage Capacity (Charging and Discharging)
  o Resource adequacy
  o Ancillary Services
• Peninsula Clean Energy will be the Scheduling Coordinator
Labor

• Nova has agreed that the construction of the project will be conducted using a project labor agreement, or similar agreement, providing for terms and conditions of employment with applicable labor organizations.
Battery Charge/Discharge Profile
Whitegrass No. 2
Geothermal
## Whitegrass No. 2 Geothermal Project

<table>
<thead>
<tr>
<th>Developer / Owner</th>
<th>Open Mountain Energy, LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Lyon County, NV</td>
</tr>
<tr>
<td>Capacity</td>
<td>6 MW</td>
</tr>
<tr>
<td>Capacity Factor</td>
<td>97%</td>
</tr>
<tr>
<td>Year 1 Expected</td>
<td>51,000 MWh</td>
</tr>
<tr>
<td>Commercial Operation</td>
<td>December 31, 2024</td>
</tr>
<tr>
<td>Labor</td>
<td>Project will be constructed using union labor when available</td>
</tr>
<tr>
<td>Environmental</td>
<td>Partially located in a protected area; Wellheads and pipelines sited to avoid environmental impacts</td>
</tr>
<tr>
<td>DACs</td>
<td>Not located in DAC</td>
</tr>
</tbody>
</table>

![Whitegrass No. 2 Project Vicinity Map](image)
Contract Structure

• Pay for the output of the geothermal generator at a fixed-price rate per MWh with no escalation
• Contract term: 20 years
• Peninsula Clean Energy is entitled to all product attributes from the facility:
  o Energy
  o Renewable energy
  o Ancillary services
  o Resource adequacy
• The project is located outside of CAISO (in Nevada) and will need to be imported to CAISO using import allocations
Labor

• Project has committed to a Project Labor Agreement, or similar type of agreement, to the extent that union labor is available to supply the type and quantity of skilled labor necessary to perform work in connection with construction of the Facility
Monthly Generation

- Annual Generation: ~51,000 MWh
- Small portion of PCE's portfolio, will count toward 1.4% of PCE’s load in 2025
Generation Profile
Snow Mountain Hydro (Burney Creek)
## Burney Creek Hydroelectric Project

<table>
<thead>
<tr>
<th><strong>Owner</strong></th>
<th>Snow Mountain Hydro LLC (IdaWest and Public Employees Retirement System of Idaho)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td>Shasta County</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td>3 MW</td>
</tr>
<tr>
<td><strong>Capacity Factor</strong></td>
<td>21%</td>
</tr>
<tr>
<td><strong>Year 1 Expected Generation</strong></td>
<td>5,405 MWh</td>
</tr>
<tr>
<td><strong>Delivery Commencement</strong></td>
<td>January 2024</td>
</tr>
<tr>
<td><strong>Labor</strong></td>
<td>Existing Project; When needed, workers and supplies are sourced from local area</td>
</tr>
<tr>
<td><strong>Environmental</strong></td>
<td>Not located in a Protected Area; In compliance with all environmental requirements</td>
</tr>
<tr>
<td><strong>DACs</strong></td>
<td>Not located in DAC</td>
</tr>
</tbody>
</table>
Contract Structure

- Pay for the output of the small hydroelectric generator at a fixed-price rate per MWh with no escalation
- Contract term: 15 years
- Peninsula Clean Energy is entitled to all product attributes from the facility:
  - Energy
  - Renewable energy
  - Ancillary services
  - Resource adequacy
Labor

• Project is an existing project, that is relatively small and does not require a full-time, on-site operator.

• The Project does provide some local jobs and some local purchases in the Burney and Redding areas. Workers and suppliers are sourced primarily in the local Shasta County area and Redding area.
Monthly Generation

- Annual Generation: ~5,400 MWh
- Very small portion of PCE’s portfolio, will count toward 0.15% of PCE’s load in 2025
Generation Profile

- **Month=Jan**, **March**, **May**, **July**, **September**, **November**, **December**: Line graphs showing power generation in MWh across hours.
- **Month=Feb**, **April**, **June**, **August**, **October**, **November**, **December**: Line graphs showing power generation in MWh across hours.

Each graph represents the power generation for the specified month across different hours of the day.
Supply Stack including Nova, Whitegrass No. 2, and Burney Creek
Annual

Line Graph:
- X-axis: Years (5, 10, 15, 20)
- Y-axis: MWh
- Title: Annual

Graphs:
- Existing Contracts
- Nova Storage
- SnowMountain-SmallHydro
- Whitegrass Geothermal
- Load

Legend: MWh

Note: The graph shows the energy production or consumption trend over the years for different energy sources.
Seasonal

Spring

Summer

Fall

Winter

- Existing Contracts
- Nova Storage
- Whitegrass Geothermal
- SnowMountain-SmallHydro
- Load

MWh

Hour

MWh

Hour
Fit with Strategic Plan
Fit with Strategic Plan

- Priority 1: Design a power portfolio that is sourced by 100% carbon free energy by 2025 that aligns supply and consumer demand on a 24x7 basis

- Power Resources Goal 1: Secure sufficient, low-cost, clean sources of electricity that achieve Peninsula Clean Energy's priorities while ensuring reliability and meeting regulatory mandates
  - Objective B: Procure power resources to meet regulatory mandates and internal priorities at affordable cost
Recommendations
Recommendation #1 (Nova)

Approve Resolution Delegating Authority to Chief Executive Officer to Execute Energy Storage Service Agreement for an Energy Storage Project with Nova Power LLC, and any necessary ancillary documents with a Power Delivery Term of 15 years starting at the Delivery Commencement Date on or about August 1, 2024, in an amount not to exceed $153 million.
Recommendation #2 (Whitegrass No. 2)

Approve Resolution Delegating Authority to Chief Executive Officer to Execute Power Purchase and Sale Agreement for Renewable Supply with Whitegrass No. 2, LLC, and any Necessary Ancillary Documents with a Power Delivery Term of 20 Years Starting at the Commercial Operation Date on or about December 31, 2024 in an Amount Not to Exceed $109 Million (Action)
Recommendation #3 (Snow Mountain Hydro / Burney Creek)

Approve Resolution Delegating Authority to Chief Executive Officer to Execute Power Purchase and Sale Agreement for Renewable Supply with Snow Mountain Hydro LLC, and any Necessary Ancillary Documents with a Power Delivery Term of 15 Years Starting on January 1, 2024 in an Amount Not to Exceed $13 Million (Action)
Diversity, Equity, Accessibility and Inclusion Policy Adoption

Shayna Barnes, Operations Specialist
October 27, 2022
Agenda

• DEAI Policy Origins
• Policy Development and Stakeholder Review
• DEAI Policy Outline
• Key Feedback Incorporated
• CAC Recommendation
Peninsula Clean Energy CAC Draft Statement on Equity and Inclusion

1. Peninsula Clean Energy commits to making anti-racism top of mind during decision making

2. Develop a means of tracking revenue and formulating a mechanism (qualitative and quantitative) that ensures accountability

3. Pursue equity in energy generation and programs
Policy Development and Stakeholder Review

- CAC Equity Statement as foundation for DEAI policy
- Includes themes from needs assessment phase
- Incorporates industry best practices
- Facilitated workshops to receive feedback:
  - August 16: Staff
  - August 19: Board DEAI Subcommittee
  - September 8: CAC, CBOs, broader community
DEAI Policy Outline

1. Commitment to DEAI
2. Definitions
3. Application
4. Details of Policy
5. Party Responsible for Policy
6. Policy Administration
7. Communication of Policy
Key Feedback Incorporated

1. Commitment to DEAI
   - Clarification on the intention of the policy and its role in the organization
   - A clarifying statement was added to explain the difference between the DEAI Policy and the Action Plan

2. Definitions
   - Minor updates to the diversity definition (added “but is not limited to,” “veteran status,” ”neurodiversity,”)
   - Strengthened accessibility definition
3. Application
  o Feedback in this section focused on the role of the Board and other groups in regard to the policy
  o Added a "Roles and Responsibilities" sub-section for staff, Board, and CAC

4. Details of Policy
  o Edits to sections 4.a.-f. (DEAI Commitment; Recruitment, Promotions, and Retention; Onboarding; Compensation and Employee Performance Reviews; DEAI Learning and Development; Professional Development) were primarily to improve clarity, reduce redundancy, and add specificity
Key Feedback Incorporated (continued)

4. Details of Policy

- Section g. Leadership and Staff Accountability: Added semi-annual update to the BOD on DEAI initiatives

- Section h. Supplier Diversity: Added a section describing Prop 209 limitations as they relate to our procurement

- Section i. Accessibility: Described descriptions of three different areas where we will address accessibility: training, accommodation requests, website
4. Details of Policy

- Section j. Communication & Outreach: added examples to provide greater clarity and understanding

- Section k. Energy Programs:
  - Removed phrase “energy democracy” due to confusion on meaning
  - Added phrase “fixed incomes”
  - Changed phrase “participate equitably in Peninsula Clean Energy programs” to “equitable access to Peninsula Clean Energy Programs”
Key Feedback Incorporated (continued)

5. Party Responsible for Policy
   o Added reference to section 3.a. Roles and Responsibilities
   o Described role of DEAI Council

6. Policy Administration
   o Renamed section from "Policy Enforcement"
   o Provided statement that the initiatives in the Action Plan will be monitored/measured, referenced semi-annual report out to Board
   o Changed policy review from “as-needed basis” to an “annual review”

7. Communication of Policy
   o Simplified language in this section
CAC Recommendation

- Final draft policy brought to CAC at their October 13 meeting
- Committee members voted unanimously to recommend approval of the DEAI policy as drafted
Board Recommendation

Adopt Diversity, Equity, Accessibility, and Inclusion (DEAI) Policy
18. New E-ELEC Rate Option for Residential Customers

October 27, 2022
Leslie Brown, Director of Account Services
What is E-ELEC?

• E-ELEC (a.k.a Electric Home) is a rate schedule that is intended to encourage customers to adopt qualifying electric technologies.

• Rate plan would apply to the entirety of a residence’s electric usage.

• Residential customers would be eligible for E-ELEC if the customer uses electricity for and of the following:
  o EV charging
  o Energy storage charging
  o Electric heat pumps used for
    • Water Heating and/or
    • Climate Control (i.e., heating or cooling)
Timeline for E-ELEC (Electric Home)

- **11/19/2021**: CPUC Final Decision
- **09/1/2022**: PG&E Filed Tier 2 Advice Letter
- **12/01/2022**: Phase 1 E-ELEC becomes available for enrollment for Non-NEM customers
- **09/1/2022**: PG&E Filed Tier 2 Advice Letter
- **11/2022**: PG&E to file Tier 1 Advice Letter with updated rate prices
- **6/1/2023**: Phase 2 E-ELEC avail to NEM1/NEM2 customers
- **1/01/2024**: Phase 3 E-ELEC available for Complex NEM (solar+storage) customers

- **2021**
- **2022**
- **2023**
- **2024**
### E-ELEC Rate Schedule Features

| Seasons | Same as all currently applicable single family rates  
|         | • Summer: 06/01 to 09/30 (4 months)  
<table>
<thead>
<tr>
<th></th>
<th>• Winter: 10/01 to 05/31 (8 months)</th>
</tr>
</thead>
</table>
| Time-of-Use Periods | Same as Home Charging (EV-2A)  
|         | • Peak: 4pm - 9pm daily  
|         | • Partial Peak: 3pm - 4pm, 9pm - 12am daily  
|         | • Off Peak: all other times (12am - 3pm) daily |
| Rates / Charges |  
|         | • *Fixed Charge* ($0.49281 daily price ~$15/month)  
|         | • *No minimum delivery charge*  
|         | • Energy Charges vary by Season and TOU Period, similar to other TOU rate plans |
E-ELEC Compared to Other PG&E Res Rates

Notes: 1) The E-ELEC rates above are illustrative rates (cents/kwh) based on March 2022 Rev and Sales. All other rates are Mar 2022 actual rates.
2) E-1 also has a HUC tier, which is for high usage over 400% of baseline. A few customer-months hit HUC.
### E-ELEC Eligibility

<table>
<thead>
<tr>
<th>Qualifying Technologies</th>
<th>Similar to Home Charging (EV2A):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Electric Vehicles</td>
</tr>
<tr>
<td></td>
<td>• Energy storage</td>
</tr>
<tr>
<td></td>
<td>• Electric heat pumps used for</td>
</tr>
<tr>
<td></td>
<td>• water heating and/or</td>
</tr>
<tr>
<td></td>
<td>• space conditioning (i.e., heating or cooling)</td>
</tr>
</tbody>
</table>

| Eligible Programs       | • Medical Baseline Discount *   |
|                        | • CARE/FERA*                    |
|                        | • SmartRate Program             |
|                        | • PG&E Solar Choice             |
|                        | • Regional Renewable Choice     |
|                        | • Green Saver Discount (DAC-GT) |
|                        | • Local Green Saver (CS-GT)     |
|                        | • California Climate Credit     |

| Ineligible Programs    | • Employee Discount             |
|                       | • Home Area Network (HAN) for bill forecast and for “marginal” price |
### Preliminary* PCE E-ELEC Rates

#### Los Banos

<table>
<thead>
<tr>
<th>Season</th>
<th>Time of Use Period</th>
<th>E-ELEC Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>Peak</td>
<td>0.25756</td>
</tr>
<tr>
<td>Summer</td>
<td>Part-Peak</td>
<td>0.16341</td>
</tr>
<tr>
<td>Summer</td>
<td>Off-Peak</td>
<td>0.12056</td>
</tr>
<tr>
<td>Winter</td>
<td>Peak</td>
<td>0.09968</td>
</tr>
<tr>
<td>Winter</td>
<td>Part-Peak</td>
<td>0.08071</td>
</tr>
<tr>
<td>Winter</td>
<td>Off-Peak</td>
<td>0.06803</td>
</tr>
</tbody>
</table>

#### San Mateo County

<table>
<thead>
<tr>
<th>Season</th>
<th>Time of Use Period</th>
<th>E-ELEC Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>Peak</td>
<td>0.23643</td>
</tr>
<tr>
<td>Summer</td>
<td>Part-Peak</td>
<td>0.14228</td>
</tr>
<tr>
<td>Summer</td>
<td>Off-Peak</td>
<td>0.09943</td>
</tr>
<tr>
<td>Winter</td>
<td>Peak</td>
<td>0.07855</td>
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<tr>
<td>Winter</td>
<td>Part-Peak</td>
<td>0.05958</td>
</tr>
<tr>
<td>Winter</td>
<td>Off-Peak</td>
<td>0.0469</td>
</tr>
</tbody>
</table>

*Preliminary Rates based off PG&E Illustrative rates. These will be updated following PG&E’s November Advice Letter before rates are ‘live’ December 1, 2022
Staff Recommendation

• Recommend approving a Resolution to add E-ELEC rate option for PCE customers to mirror PG&E’s new E-ELEC rate available December 1, 2022
Board Members’ Reports (Discussion)
October 27, 2022
Adjournment