CleanPowerSF Update

Local Agency Formation Commission

February 18, 2022
Agenda

1. Enrollment and Service Statistics
2. Legislative Update
3. Long-duration Energy Storage Procurement
4. Customer Programs Update
5. Integrated Resource Plan Implementation
ENROLLMENT AND SERVICE STATISTICS
Enrollment and Service Statistics

- Enrolled >409,000 customer accounts
- 4.2% opt-out rate (96% retention) since launch
- 2.1% SuperGreen 100% renewable upgrade rate
- SuperGreen accounts for >6% of retail sales
LEGISLATIVE UPDATE
AB 1814 (Grayson) – Transportation Electrification

• California Public Utilities Commission (CPUC) has authorized investor-owned utilities to collect >$1 billion from ratepayers for transportation electrification.

• This bill would authorize CCAs to apply to the CPUC for funding to administer transportation electrification programs in their service areas.

• Customers of CCAs already pay into transportation electrification program funds.

• This bill would enable CCAs to play a more active role in helping California meet its EV goals.
LONG-DURATION ENERGY STORAGE
Long-duration Energy Storage (LDS) Procurement Summary

• In June 2021, the California Public Utilities Commission mandated that CleanPowerSF and other power providers procure Long-duration Energy Storage (LDS) resources.

• CleanPowerSF participated in a Request for Offers (RFO) for LDS resources as a member of California Community Power (CC Power).

• On Jan. 19th CC Power approved its first LDS project from a competitive solicitation, the Tumbleweed LDS project.

• CC Power member agencies, including CleanPowerSF, are now seeking approval from their governing bodies to participate in the Tumbleweed LDS project.
Background: California Community Power or “CC Power”

- Established in February 2021 to leverage the combined buying power of Community Choice Aggregators (CCAs) for energy supply, programs and services.
- CleanPowerSF became a member in April 2021.
  - Commission approved in Resolution No. 21-0023
  - Board approved in Ordinance No. 25-21
- CC Power conducts its business in open meetings – for more info visit: https://cacommunitypower.org/meetings/
LDS Request for Offers Timeline

- June ‘20: Joint CCAs issue a Request for Information to understand market opportunity
- Oct ‘20: Joint CCAs Issue a Request for Offers (RFO) for up to 500 MW of LDS
- Feb ‘21: California Community Power (CC Power) Formed/Long Duration Storage (LDS) Project Oversight Committee formalized
- Jun ‘21: LDS Projects Shortlisted, Negotiations start, and begin development of CC Power/Member Agreements
- Jun ‘21: CPUC Issues Mid-term Reliability Procurement Order – LDS Project Oversight Committee Develop Pathways to Achieve Compliance
- Oct ‘21 to Feb ‘22: CC Power and individual member agency approval process for LDS Project #1 – LS Power’s Tumbleweed
Tumbleweed LDS Project

- Developer: LS Power/REV Renewables
- Product: 69 MW/552 MWh 8-hour discharge battery
- Location: Rosamond, Kern County, California
- Technology: Lithium-ion
- Labor: Project Labor Agreement or similar agreement required
- Wages: Prevailing wages required
- Commercial Operation Date: 6/1/26
- Proposed contract term: 15 years
Project Agreement Structure

3 documents to be authorized for PUC GM execution

1. Operations Agreement
   - #1 & #2 executed by CC Power & each Participating Member Agency

2. Energy Storage Services Agreement
   - Developer
   - CC Power

3. Project Participation Share Agreement
   - CC Power
   - 7 CCAs

#3 executed by each CC Power Member Agency & LDS Project

Buyer Liability Pass Through Agreements

(Each participating CCA executes with Developer’s Seller entity and CC Power)
Next Steps

- Participating CC Power members have 90 days from Jan. 24th (April 25th) to execute their required agreements.

- Staff recommending the Tumbleweed LDS Project to the Commission for approval on 2/22.

- If approved by Commission, staff will seek Board of Supervisors and Mayoral approval in March.

- Staff is working with CC Power to bring additional LDS Projects for approval.
CUSTOMER PROGRAMS UPDATE
# Customer Program Offerings

<table>
<thead>
<tr>
<th>Program</th>
<th>Status</th>
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<tbody>
<tr>
<td>Net Energy Metering</td>
<td>Operating</td>
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<tr>
<td>Budget Billing</td>
<td>Operating</td>
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<tr>
<td>GoSolarSF Incentives</td>
<td>Operating</td>
</tr>
<tr>
<td>Peak Day Pricing (PDP)</td>
<td>Operating</td>
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<tr>
<td>Low-income Solar Inverter Program</td>
<td>Operating</td>
</tr>
<tr>
<td>Electric Heat Pump Water Heater Incentives</td>
<td>Operating target = Spring 2022</td>
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<tr>
<td>Disadvantaged Communities (DAC) Green Tariff</td>
<td>Operating target = Spring 2022</td>
</tr>
<tr>
<td>Energy Efficiency for Food Services</td>
<td>Operating target = 2023</td>
</tr>
<tr>
<td>DAC Community Solar</td>
<td>Operating target = 2024/25</td>
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INTEGRATED RESOURCE PLAN IMPLEMENTATION
## Active and Upcoming Renewable Energy & Energy Storage Procurement

<table>
<thead>
<tr>
<th>Solicitation Name</th>
<th>Key Dates</th>
<th>Target Resource Additions</th>
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| Long-duration Energy Storage (with California Community Power JPA) | - Solicitation issued in Oct. 2020  
- Targeting contract approvals in early 2022 | - 15-25 MW of new long-duration energy storage |
| Firm Clean Resources (FCR) (with California Community Power JPA) | - Solicitation issued in Oct. 2021  
- Targeting contract approval(s) in early-to-mid 2022 | - 15-20 MW of new qualifying FCR (e.g., geothermal) |
| Utility-scale renewable energy and energy storage | - Solicitation issued in July 2021  
- Targeting contract approval in early-to-mid 2022 | Targeting at least:  
- 105 MW of new solar  
- 5 MW of new wind  
- 175 MW of new 4-hour energy storage |
| Disadvantaged Communities Green Tariff and Community Solar | - Solicitation issued in Sept. 2021  
- Targeting contract approvals in early 2022 | - 1.8 MW of new solar in DACs  
- 0.6 MW of local rooftop solar in DACs |
| Local renewable energy (Phase 1) | - Solicitation to be issued in mid-2022  
- Targeting contract approvals in 2022 | - 9 MW of new solar |
Questions?

Go 100% renewable today at www.CleanPowerSF.org