LOCAL AGENCY FORMATION COMMISSION
Agenda Packet Contents List

☐ CleanPowerSF Presentation

Completed by: Alisa Somera Date: July 12, 2021

(This list reflects the explanatory documents provided.)
1. Enrollment and Service Statistics
2. Update on California Public Utilities Commission COVID-19 Debt Relief Proceeding
3. Integrated Resource Plan Update
ENROLLMENT AND SERVICE STATISTICS
Enrollment and Service Statistics

• Enrolled >409,000 customer accounts
• 4.1% opt-out rate (96% retention) since launch
• 2.1% SuperGreen 100% renewable upgrade rate
• SuperGreen accounts for >5% of retail sales
UPDATE ON CALIFORNIA PUBLIC UTILITIES COMMISSION COVID-19 DEBT RELIEF PROCEEDING
• To protect customers from being disconnected during the pandemic, the CPUC directed investor-owned utilities (IOUs) to suspend disconnections through June 30, 2021.

• In February 2021, the CPUC opened a proceeding to address COVID-19 debt and disconnections.
CPUC Decision 21-06-036
(Adopted on June 24, 2021)

• Extends the disconnection moratorium through September 30, 2021.

• Authorizes a new COVID-19 Relief Payment Plan program that will:
  • Auto-enroll all IOU residential customers with energy utility arrearages >60 days into 24-month payment plans.
  • Continue to protect customers from utility disconnections as long as they do not miss more than two monthly payments.
  • Complement the AMP program, which provides debt forgiveness for customers enrolled in low-income discount programs.

• Expecting a second phase of proceeding to address debt forgiveness.
INTEGRATED RESOURCE PLAN PLAN UPDATE
CleanPowerSF is Supplying Clean Energy (2019)

- SuperGreen product = 100% renewable / 100% GHG-free
- Green product =

  2019

  - Renewable Energy
  - Natural Gas
  - Nuclear
  - California ISO System Power

46 pounds of CO2e per megawatt-hour
CleanPowerSF is Supplying Clean Energy (2020)

- SuperGreen product = 100% renewable / 100% GHG-free
- Green product = 2020

Renewable Energy
Natural Gas
Nuclear
California ISO System Power

40 pounds of CO2e per megawatt-hour
Approximate CO2-equivalent Emissions of Different Fuel Types*

*Actual emissions will depend on the energy conversion efficiency for end use
What is an Integrated Resource Plan (IRP)?

- An IRP is an energy resource planning tool to support achieving policy goals and meeting regulatory requirements.
- State law requires retail sellers of electricity to develop an IRP that evaluates electricity supply and demand and identifies energy resource options that can deliver reliable and cost-effective energy to customers.
- CCA IRPs are reviewed and certified by the California Public Utilities Commission (CPUC), every two years.
CleanPowerSF’s 2020 IRP Components

• Forecasted customer demand, with sensitivity analyses for expected changes in demand.

• Analyzed portfolios for meeting CleanPowerSF’s renewable and GHG reduction targets and investing locally.

• Optimized around a portfolio that achieves program goals and delivers competitively priced energy products.
Adopted Portfolio: Accelerated Case

- Accelerated Case was adopted by the SFPUC for CleanPowerSF’s 2020 IRP and submitted to the CPUC on 9/1/2020
- Accelerated Case is 100% renewable by 2025
Additional Resource Capacity Targets

• The Accelerated Case portfolio identified the following additional capacity targets for CleanPowerSF
  
  • 81 MW 9-County Bay Area solar
  • 27 MW 9-County Bay Area storage
  • 105 MW in-state solar
  • 5 MW in-state wind
  • 223 MW 4-hour storage
  • 15 MW long-duration storage (8+ hour)
  • 50 MW existing geothermal
Progress Towards 100% Renewable Energy

- CleanPowerSF is on track to reach **100% renewable energy** by 2025!
- Of the capacity identified in the IRP, CleanPowerSF has already contracted with:
  - 75 MW new solar
  - 75 MW new energy storage
  - 50 MW existing geothermal
<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 October 2020  
| Utility-scale renewable energy and energy storage | - Solicitation to be issued in July 2021  
- Targeting contract approval end of 2021/early 2022 | - 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 to be issued in Sept/Oct. 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 late 2021  
- Targeting contract approvals in mid 2022 | - 9 MW of new solar |
Customer Program Landscape Today

- BayREN, LIHEAP, PG&E and other providers currently offer benefits to CleanPowerSF customers, focusing on:
  - Affordability
  - Building Decarbonization
  - Load shifting
  - eMobility
  - Renewables

- CleanPowerSF focuses on offering benefits that fill in gaps.
Current Program Offerings

Active Programs
• Net Energy Metering
• Budget Billing
• GoSolarSF solar incentives
• Peak Day Pricing for Large Business

Programs Under Development
• Electric Heat Pump Water Heater incentives
• Low Income Solar Inverter Program
• Disadvantaged Communities Green Tariff and Community Solar
• Energy efficiency for food services
• Feed-in Tariff
Questions?

Go 100% renewable today at
www.CleanPowerSF.org