

# PACKET MATERIALS

DATE: July 16, 2021 Item No. 3

## LOCAL AGENCY FORMATION COMMISSION

### Agenda Packet Contents List

- CleanPowerSF Presentation
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Completed by: Alisa Somera Date: July 12, 2021

(This list reflects the explanatory documents provided.)



# CleanPowerSF Update

## Local Agency Formation Commission

July 16, 2021

# Agenda

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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



我們的城市, 我們的能源。 [CleanPowerSF.org](http://CleanPowerSF.org)

# **UPDATE ON CALIFORNIA PUBLIC UTILITIES COMMISSION COVID-19 DEBT RELIEF PROCEEDING**

# CPUC's COVID-19 Debt Proceeding (R. 21-02-014)

- 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)

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- 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.

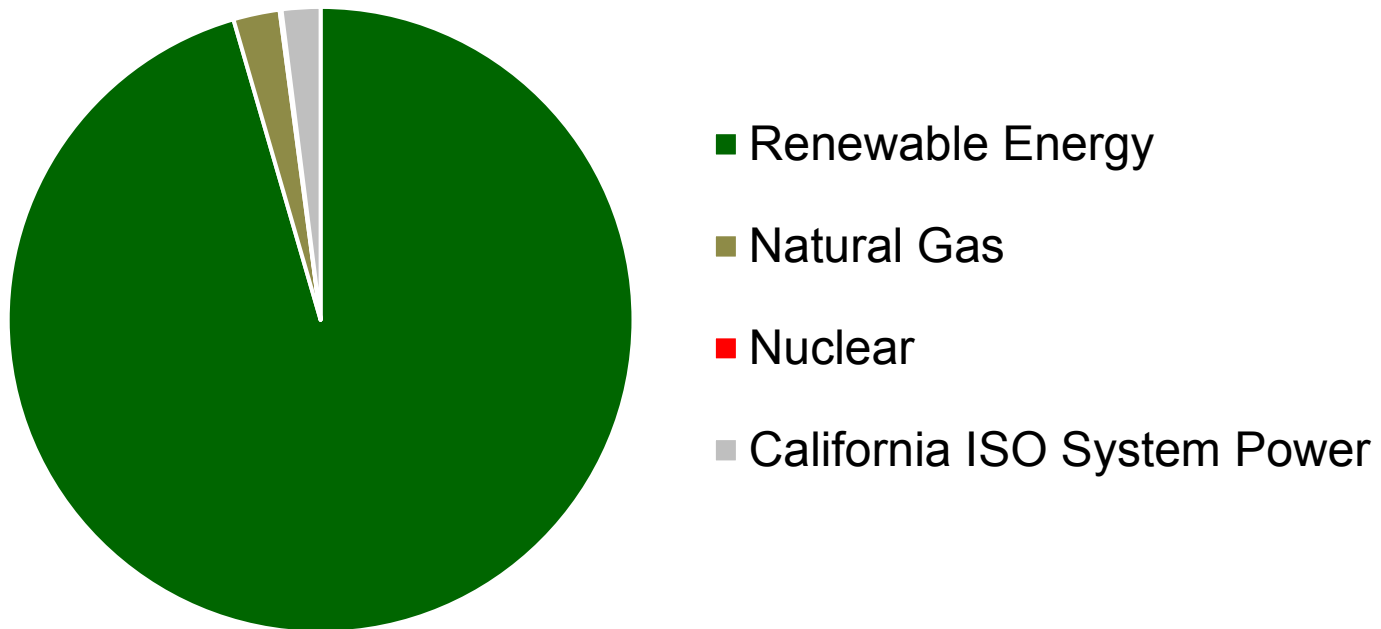


# **INTEGRATED RESOURCE PLAN UPDATE**

# CleanPowerSF is Supplying Clean Energy (2019)

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

**2019**



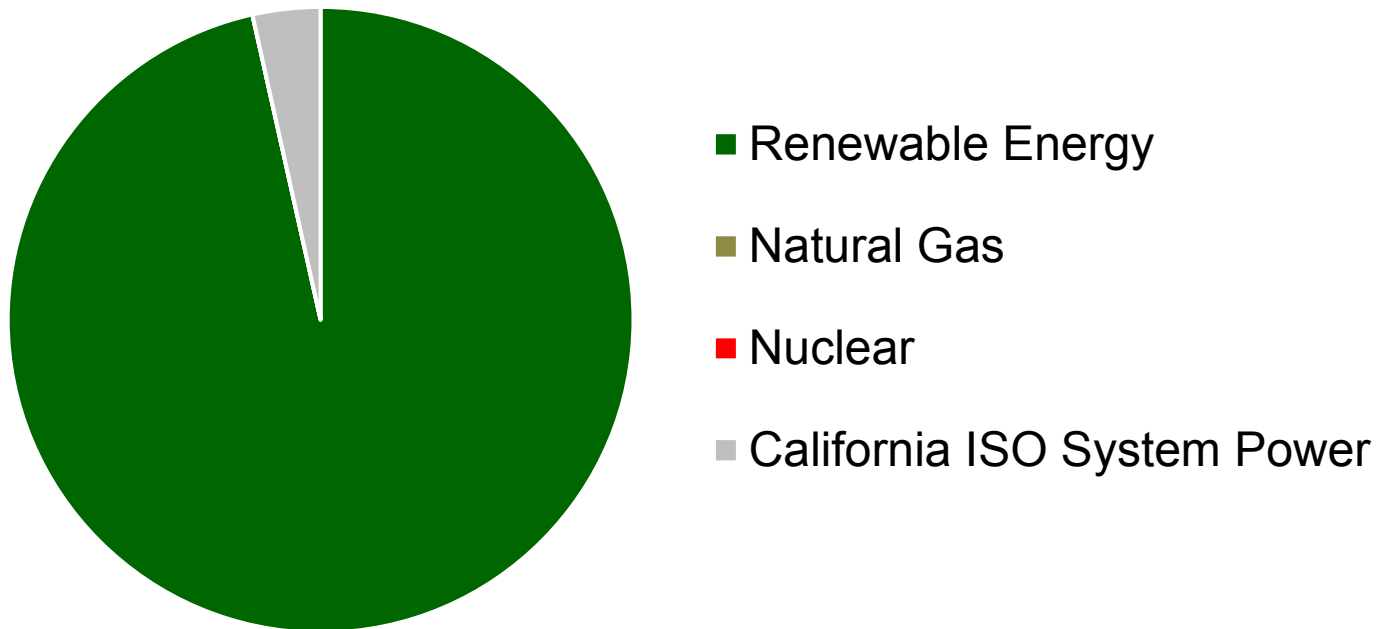
46 pounds of CO<sub>2</sub>e per megawatt-hour



# CleanPowerSF is Supplying Clean Energy (2020)

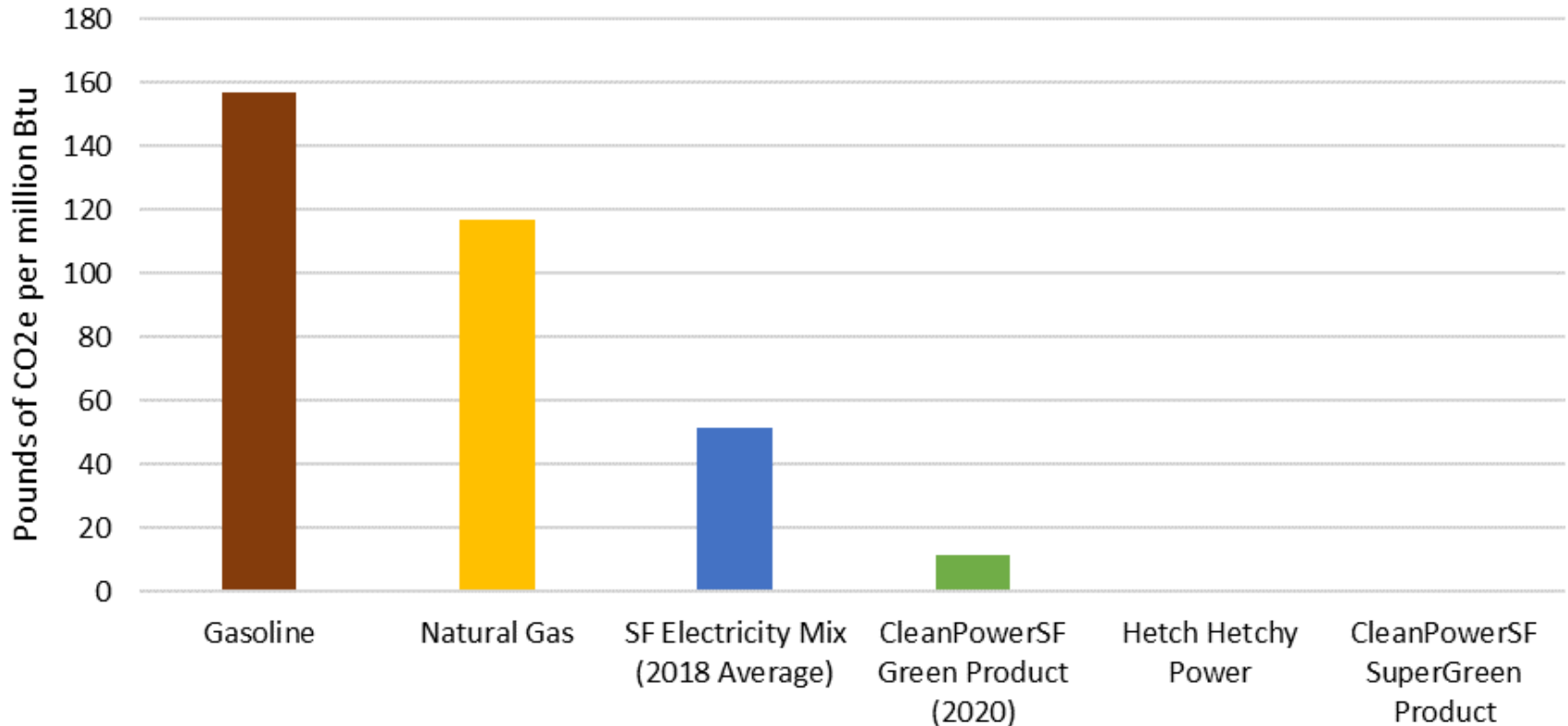
- SuperGreen product = 100% renewable / 100% GHG-free
- Green product =

**2020**



40 pounds of CO<sub>2</sub>e per megawatt-hour

# Approximate CO<sub>2</sub>-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.



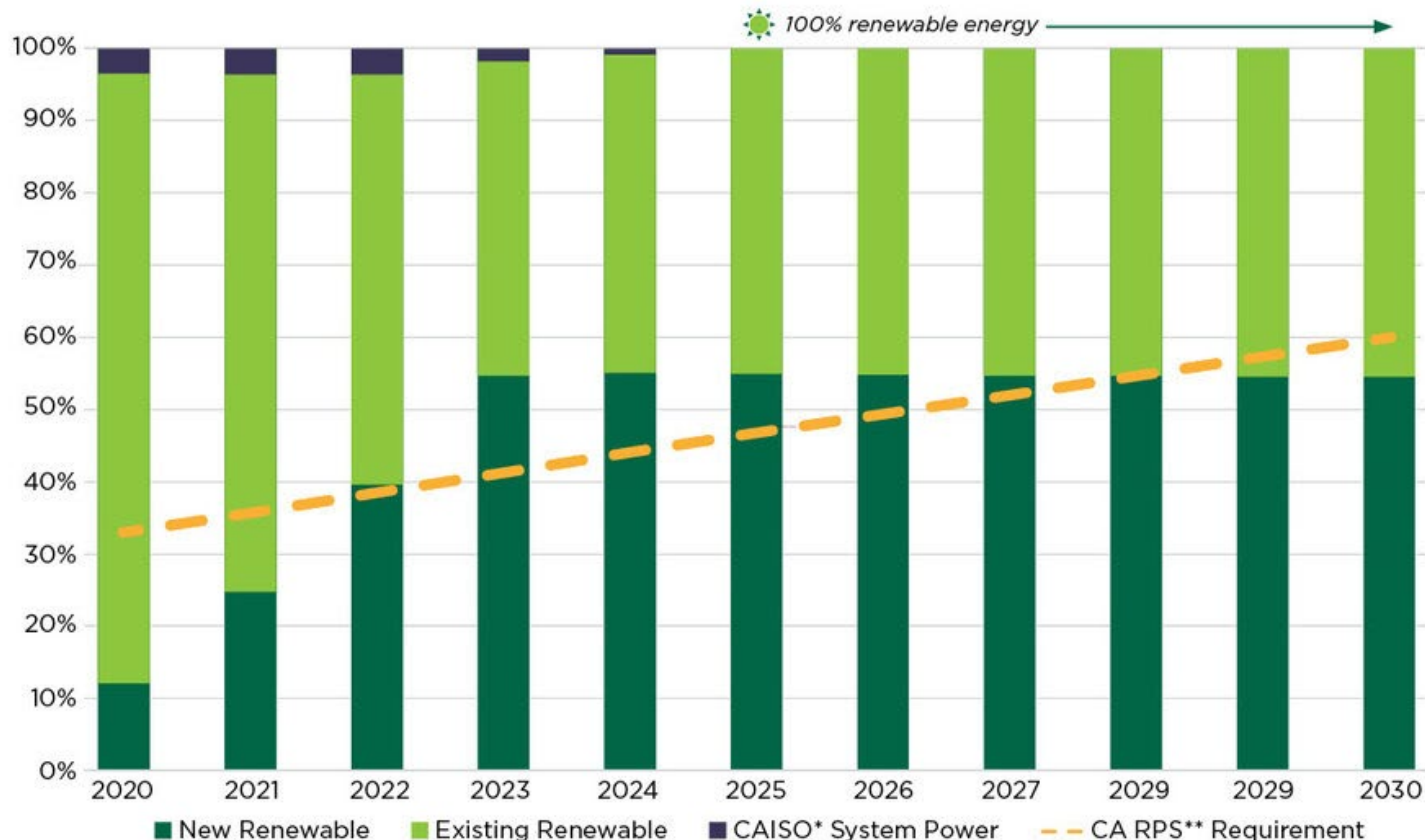
# CleanPowerSF's 2020 IRP Components

- **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



\*California Independent System Operator

\*\*Renewable Portfolio Standard

# 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



**CleanPowerSF Renewable Energy Investments**



# Active and Upcoming Renewable Energy & Energy Storage Procurement

Solicitation Name	Key Dates	Target Resource Additions
Long-duration Energy Storage (with California Community Power JPA)	<ul style="list-style-type: none"> <li>- Solicitation issued in October 2020</li> <li>- Targeting contract approvals in late 2021/early 2022</li> </ul>	<ul style="list-style-type: none"> <li>- 15-25 MW of new long-duration energy storage</li> </ul>
Utility-scale renewable energy and energy storage	<ul style="list-style-type: none"> <li>- Solicitation to be issued in July 2021</li> <li>- Targeting contract approval end of 2021/early 2022</li> </ul>	<ul style="list-style-type: none"> <li>- 105 MW of new solar</li> <li>- 5 MW of new wind</li> <li>- 175 MW of new 4-hour energy storage</li> </ul>
Disadvantaged Communities Green Tariff and Community Solar	<ul style="list-style-type: none"> <li>- Solicitation to be issued in Sept/Oct. 2021</li> <li>- Targeting contract approvals in early 2022</li> </ul>	<ul style="list-style-type: none"> <li>- 1.8 MW of new solar in DACs</li> <li>- 0.6 MW of local rooftop solar in DACs</li> </ul>
Local renewable energy (Phase 1)	<ul style="list-style-type: none"> <li>- Solicitation to be issued in late 2021</li> <li>- Targeting contract approvals in mid 2022</li> </ul>	<ul style="list-style-type: none"> <li>- 9 MW of new solar</li> </ul>

# 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](http://www.CleanPowerSF.org)

