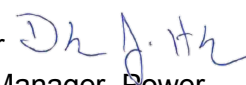




**Date:** July 1, 2022

**To:** Commissioner Anson Moran, President  
Commissioner Newsha Ajami, Vice President  
Commissioner Sophie Maxwell  
Commissioner Tim Paulson

**Through:** Dennis Herrera, General Manager   
Barbara Hale, Assistant General Manager, Power  M. Hyams, Acting for B. Hale

**From:** Michael Hyams, Deputy AGM, Power – CleanPowerSF 

**Subject:** CleanPowerSF Quarterly Update

---

This memorandum serves as the regular quarterly update to the San Francisco Public Utilities Commission (SFPUC or Commission) on the Power Enterprise's CleanPowerSF program.

This *Quarterly Update* focuses on the following topics:

1. Program Service Statistics and Enrollment Activities
2. Communications Update: Annual Joint Rate Mailer
3. COVID-19 Impacts and Relief Measures
  - a. Rate Payer Relief Measures
  - b. Impacts to Power Supply
4. Generation Rates
  - a. July 1<sup>st</sup> Rate Change
  - b. Time of Use Bill Protection
5. Power Supply Procurement
  - a. Procurement through California Community Power
6. Customer Programs Update
  - a. BayREN Regional Heat Pump Water Heater Contractor Incentive Program
  - b. SuperGreen Saver
  - c. Peak Day Pricing Program

**London N. Breed**  
Mayor

**Anson Moran**  
President

**Newsha Ajami**  
Vice President

**Sophie Maxwell**  
Commissioner

**Tim Paulson**  
Commissioner

**Dennis J. Herrera**  
General Manager

CleanPowerSF is a program of the San Francisco Public Utilities Commission (SFPUC), an enterprise department of the City and County of San Francisco.

CleanPowerSF is committed to protecting customer privacy. Learn more at [cleanpowersf.org/privacy](https://cleanpowersf.org/privacy).

**OUR MISSION:** To provide our customers with high-quality, efficient and reliable water, power and sewer services in a manner that values environmental and community interests and sustains the resources entrusted to our care.



## 1. Program Service Statistics and Enrollment Activities

CleanPowerSF remains fully operational, and our clean electricity generation services to San Francisco customers continue successfully. As of June 15, 2022, CleanPowerSF is serving approximately 383,000 active customer accounts.

The program opt-out rate is 4.3% of all enrolled accounts, which is 0.1% higher than we reported in the last CleanPowerSF quarterly update provided to the Commission on April 12, 2022.<sup>1</sup>

Customer enrollment in SuperGreen, CleanPowerSF's optional 100% renewable energy product, has also remained steady since the last quarterly update at 2.1% of active accounts. Staff estimates that these accounts' electricity usage represents more than 6% of CleanPowerSF's total annual electricity sales.

## 2. Communications Update: Annual Joint Rate Mailer

The Joint Rate Mailer is an annual mailing required under state law to be sent jointly by PG&E and CleanPowerSF to all customers that have been offered CleanPowerSF service. The notice, which provides a rate and energy portfolio comparison for four customer classes (Residential (the E-TOU-C rate), Small Commercial (the B-1 rate), Medium Commercial (the B-10S rate), and Large Commercial (the B-19S rate) between PG&E and CleanPowerSF, promotes transparency and energy choice for customers. CleanPowerSF customers will receive the Joint Rate Mailer via email or postcard on or around July 1, 2022. The Joint Rate Mailers are also posted on the CleanPowerSF website at <https://www.cleanpowersf.org/key-documents>.

## 3. COVID-19 Impacts and Relief Measures

### a. Ratepayer Relief Measures

---

<sup>1</sup> The CleanPowerSF Quarterly Report communicated to the Commission on April 12, 2022 may be accessed here: <https://sfpuc.sharefile.com/share/view/s765559c18a2e42029cd05d5148aa822b> [accessed on June 29, 2022]

We recognize that the societal response to COVID-19 required sacrifice and many members of our community continue to face economic hardship. The SFPUC and its CleanPowerSF program is here to help our community.

Measures available to help customers with the cost of their electric service include but are not limited to: new payment plans for customers that are behind on their PG&E energy bills; a new debt forgiveness payment plan for low-income customers; and the California Arrearage Payment Program, a new COVID-19 debt relief program provided by the State of California. Qualifying customers may also be eligible for up to 35% off their energy utility bills through the California Alternate Rates for Energy (CARE) or Family Electric Rates Assistance (FERA) programs.

To keep our customers informed about these and other relief measures, we are maintaining a COVID-19 information page on our CleanPowerSF website. That page may be found at <https://www.cleanpowersf.org/covid-19>. We continue to update this webpage with the latest information on COVID-19 response and support services.

Information about the results of the 2021 California Arrearage Payment Program is provided below.

**i. Results of the 2021 California Arrearage Payment Program (CAPP) and 2022 CAPP Funding**

In June 2021, Governor Gavin Newsom signed budget trailer bill Assembly Bill 135, establishing the California Arrearage Payment Program, which allocated nearly \$700 million in federal funding to Community Choice Aggregators and investor-owned utilities for COVID-related electricity and gas utility bill arrearages to be directly applied to customers' bills.

CleanPowerSF's application for this funding resulted in the allocation of \$2,432,598 to be disbursed to customers with past due balances accumulated during the COVID-19 pandemic period (March 4, 2020 – June 15, 2021). Between March and June 2022, California Arrearage Payment Program credits were applied directly to over 21,275 residential and 800 commercial CleanPowerSF customer accounts.

CleanPowerSF's participation in the CAPP reduced 100% of its eligible residential past due balances for the qualifying time period, and the average residential credit was \$113. Customers either received a one-time credit applied directly to their bill, or in the case of a closed account, received a credit adjustment against their outstanding balance with CleanPowerSF. Customers

were notified of the credit either on-bill or via an email or mail notice, as well as directed to the CleanPowerSF website to receive additional information about lowering their bill.

On June 30, 2022, the Governor signed AB 178 and AB 205, appropriating \$1.2 billion from the 2022 State Budget for assistance to active utility customers with past due electricity utility bills incurred during the COVID-19 pandemic relief period. This additional funding, being described as CAPP 2.0, expands the relief period beyond June 15, 2021, through December 31, 2021, increasing the eligibility of customer past due bills that can be forgiven through the assistance program. Over the next eight months, staff will be working with the state administrator of these funds, the Department of Community Services and Development, to secure and administer funds to CleanPowerSF customers. Staff will report back with updates.

### **b. Impacts to Power Supply**

Recall that long-term power purchase agreements were approved by the Commission and Board of Supervisors and executed prior to the pandemic. These power purchase agreements allow the renewable energy project developers to receive financing enabling the projects to proceed to construction.

To date, we have had no problems with our supply of power or our suppliers' ability to operate as a result of COVID-19. However, COVID-19 related disruptions to shipping and manufacturing have caused and continue to cause supply chain disruptions, delaying delivery of key components of projects under construction.

As summarized in Table 1 below, CleanPowerSF had three contracts to purchase renewable energy from projects that achieved commercial operation in 2021. In 2022, CleanPowerSF will have two battery storage facilities come on-line at operational solar PV projects. The battery storage portion of the Maverick Solar 6 solar PV and battery storage facility was delayed due to COVID-19 related supply chain and shipping delays. After an approximately 6-month delay, the battery storage portion of the facility reached commercial operation in late June 2022.

The battery storage portion of the Blythe IV solar PV project (see Figure 1) is expected to become operational during the third quarter of calendar year 2022. No delays are currently anticipated for the Blythe IV battery.

**Figure 1.** Maverick Solar 6 Battery Storage Component Under Construction

The status and expected schedule of projects under development with on-line dates in 2021 and 2022 are provided in Table 1 below.

**Table 1.** Projects<sup>2</sup> Under Development

<b>Project Name</b>	<b>Technology</b>	<b>Project Capacity (MW)</b>	<b>Status</b>
Blythe IV	Solar PV + Battery Storage	62 MW (solar) and battery storage	Solar PV portion On-line, 9/11/2020, Battery portion expected on-line in Q3 of 2022.
Voyager IV	Wind	50 MW	On-line, 3/30/2021.
Oasis	Wind	60 MW	On-line, 10/6/2021.
Maverick Solar 6	Solar PV + Battery Storage	100 MW (solar) 50 MW (battery)	Solar PV portion on-line 12/1/2021, Battery portion on-line 6/27/2022.

<sup>2</sup> Contracts to purchase energy from these projects were executed pursuant to Commission Resolution Nos. 17-0026 and 18-0028 and Board of Supervisors Ordinance No. 008-18.

#### **4. Generation Rates**

##### **a. July 1<sup>st</sup> Rate Change**

At a noticed public hearing on May 24, 2022, the Commission adopted Resolution No. 22-0094, approving new cost-of-service based rates for CleanPowerSF customers to be effective July 1, 2022. The adopted rates were informed by the Power Rate Study required by San Francisco Charter Section 8B.125, and resulted in an 8% rate decrease for CleanPowerSF residential (E-TOU-C) customers, which equates to a decrease of approximately 3% for the average customer electricity bill.

Before the Commission approved the new rates, staff presented the Power Rate Study and proposed CleanPowerSF rates to the Rate Fairness Board, the agency's Power Subcommittee of the Citizens' Advisory Committee, and the San Francisco Local Agency Formation Commission.

To notify customers of the rate change effective July 1, 2022, CleanPowerSF included a notice in the program's quarterly e-newsletter, which was sent to 230,000 CleanPowerSF customers in mid-June. In addition, CleanPowerSF will place a bill message on each customer's energy bill for two consecutive billing cycles. The CleanPowerSF website will also be updated with the new rates at <https://www.cleanpowersf.org/rates>, as well as on the program's Spanish, Chinese and Filipino webpages. The SFPUC and CleanPowerSF social media channels will also promote the new rates, and a press release about the new Power rates will be distributed in early July.

##### **b. Time-of-Use Bill Protection**

On May 25, 2021 the Commission adopted Resolution 21-0085, approving the CleanPowerSF default time-of-use (TOU) rates as well as a 12-month bill protection program for customers transitioned to the default TOU rate in July 2021. The default E-TOU-C rate encourages customers to manage their electricity costs by shifting usage from peak hours (4-9 pm, everyday) to hours when market prices and greenhouse gas emissions from electricity generation are generally lower (see Figure 2 below).

The one-time, 12-month bill protection program offered customers protection from paying more on the new default rate than they would have under the previous default E-1 rate. The bill protection program was intended to encourage customers to try out the new rates, risk free. Customers may elect to return to the E-1 rate if they wish.

**Figure 2.** Illustration of Time-of-Use Rate Plan

As reported to this Commission, most CleanPowerSF customers were expected to save money on the new default E-TOU-C rate compared to the previous, default E-1 flat rate. CleanPowerSF staff are currently working with CleanPowerSF's data and billing contractor to analyze customer impacts, and if applicable, apply a bill protection credit. Credits are expected to be placed on customers' bills between August and October 2022, depending on the customer's billing cycle. Staff will update the Commission on the results of the default TOU rate transition and bill protection program at a future meeting.

Information about CleanPowerSF's default time-of-use rates for residential customers can be found at: <https://www.cleanpowersf.org/residential>.

## 5. Power Supply Procurement

### a. Procurement through California Community Power

On February 9, 2021, the Commission adopted Resolution No. 21-0023, authorizing the General Manager to take the actions required for CleanPowerSF to become a member of California Community Power (CC Power), a new joint powers agency formed by a group of community choice aggregation programs. Subsequently, the Board of Supervisors and Mayor authorized CleanPowerSF's membership in CC Power through the adoption of Ordinance No. 25-21. CleanPowerSF formally became a member of CC Power when the CC Power Board of Directors unanimously approved Resolution 21-04-09 on April 21, 2021.<sup>3</sup>

<sup>3</sup> In addition to CleanPowerSF, the following community choice aggregation programs are members of CC Power: Central Coast Community Energy, East Bay Community Energy, MCE, Peninsula Clean Energy, Redwood Coast Energy Authority, San José

Since joining CC Power, staff have been actively participating in CC Power meetings and power procurement activities. The CC Power Board meetings are public meetings subject to the Brown Act. Information about meetings, including agendas, presentations, minutes and videos are posted on CC Power's website at: <https://cacommunitypower.org/meetings/>. Interested members of the public may subscribe to CC Power on the website to automatically receive information on its discussions and proposed activities.

The focus of CC Power's energy procurement work to-date has been to help members procure cost-effective resources that meet new state procurement mandates, specifically CPUC requirements to procure new long-duration energy storage and new firm renewable energy supplies. In the section that follows, we provide an update on the CC Power's Firm Clean Resources procurement efforts.

#### **i. Firm Clean Resources Request for Offers (RFO)**

On June 24, 2021, the California Public Utilities Commission (CPUC) adopted Decision 21-06-035 directing CleanPowerSF and other retail sellers of electricity under its jurisdiction to collectively procure 11,500 megawatts (MW) of new electricity resources between 2023 to 2026 to meet grid reliability needs, including 1,000 MW of new Firm Clean Resources.

Firm Clean Resources are defined as power generating facilities capable of performing at no less than 80 percent of their rated capacity that have zero on-site emissions, or otherwise qualify under the California Renewable Portfolio Standard program eligibility rules. Firm Clean Resources produce renewable energy on demand and include geothermal and biomass fuel types.<sup>4</sup> The goal of this mandate is to increase the amount of clean, renewable energy supplies serving California that can operate 24 hours a day with a high utilization of their full plant capacities.

CleanPowerSF's share of the CPUC's Firm Clean Resource procurement order is 15.5 MW of Net Qualifying Capacity to be operational by the middle of 2026.<sup>5</sup>

---

Clean Energy, Silicon Valley Clean Energy, Sonoma Clean Power and Valley Clean Energy.

<sup>4</sup> For comparison, solar photovoltaics typically have a 20-35% capacity utilization rate, depending on the location of the solar resource and system design.

<sup>5</sup> Net Qualifying Capacity refers to the amount of power an electric resource can provide to the grid when it is most constrained and that can be counted towards meeting the CPUC's Resource Adequacy requirements.



Failure to procure the resources ordered by the CPUC could result in significant financial penalties to CleanPowerSF. In addition, the CPUC could order Pacific Gas and Electric Company (PG&E) to procure “backstop” Firm Clean Resources with the cost of such procurement assigned to CleanPowerSF directly or recovered through a non-bypassable charge on its ratepayers’ monthly energy bills.

As reported in previous CleanPowerSF quarterly reports, on October 25, 2021 CC Power issued a Request for Offers to procure up to 200 MW of “Firm Clean Resources” through one or more projects, with energy deliveries from the projects to begin no later than June 1, 2026.<sup>6</sup> CC Power issued the solicitation to support the compliance of member agencies, including CleanPowerSF, with the CPUC’s order. Responses from power suppliers were due on December 13, 2021. Six entities submitted offers to sell electricity from 16 Firm Clean Resource projects located in California and Nevada.

CC Power performed an evaluation of the offers received and, on January 19, 2022, the CC Power Board authorized its General Manager to shortlist projects and proceed with negotiations. The CC Power General Manager subsequently shortlisted projects from two bidders: the Fish Lake Geothermal 13 MW project to be developed in Nevada by Open Mountain Energy LLC and a portfolio of projects totaling up to 125 MW to be developed in California and Nevada from Ormat Geothermal.

Of the portfolio of projects proposed by Ormat Geothermal, up to five projects could be located in Nevada and up to three could be located in California. The other California projects bid into the solicitation were priced significantly higher than the projects bid by Open Mountain Energy LLC and Ormat Geothermal.

### **Description of Fish Lake Geothermal Project**

The Fish Lake Geothermal Project is a to-be-constructed 13 MW geothermal power plant, located in Esmeralda County, Nevada. The project is expected to have a Commercial Operation Date on or around June 1, 2024. The project will meet California State Renewable Portfolio Standard eligibility requirements for Product Content Category 1 or “bundled” renewable energy products. The project will also meet California Resource Adequacy capacity requirements,

---

<sup>6</sup> See CleanPowerSF Quarterly Updates from November 9, 2021: <https://sfpuc.sharefile.com/share/view/s131203677cb24b238dd8e14213ad96c9> [accessed on June 29, 2022] and April 12, 2022: <https://sfpuc.sharefile.com/share/view/s765559c18a2e42029cd05d5148aa822b> [accessed on June 29, 2022]

provided CleanPowerSF and other project participants are able to obtain the import capability for the resource. Power staff are coordinating with other CC Power project participants to request and secure these rights from the California Independent System Operator.

CleanPowerSF's expected share of the Fish Lake Geothermal project is 1.89 megawatts with a possible step-up amount not to exceed 0.47 megawatts, if another CC Power participating member is no longer able to fulfill its obligations and defaults under the Project Participation and Share Agreement.

### **Description of Ormat Geothermal Project Portfolio**

Ormat Geothermal proposed a portfolio of new geothermal generating plants located in California and Nevada. The project sites are still under development and the precise capacity per project and available to CC Power is pending additional evaluation of the geothermal energy source at various sites.

Under the power purchase agreement with CC Power, the portfolio will provide at least 64 MW and up to 125 MW of new geothermal capacity. As project viability becomes more certain at each site, CC Power and the participants will be given the opportunity to select projects into the portfolio.

All projects included in the portfolio will need to meet California Renewable Portfolio Standard and Resource Adequacy capacity eligibility requirements, satisfied by obtaining the necessary import capability rights from the California Independent System Operator. In the event CleanPowerSF and/or the other participants are unable to obtain import capacity rights for a specific geothermal project, the participants can elect not to include that project in the portfolio.

### **CC Power Board and Participating Member Agency Approvals**

On May 31, 2022, the CC Power Board approved the Fish Lake Geothermal and Ormat Geothermal Projects and authorized the CC Power General Manager to execute the project agreements on behalf of CC Power.

Separately, participating CC Power members must follow their own individual processes to execute the Project Participation and Share Agreement and Buyer Liability Pass-Through Agreement. These project agreements are similar to the Tumbleweed and Goal Line Long Duration Energy Storage project agreements already approved by the Commission and Board, and are structured to be dependent upon each other. Thus, even though the CC Power Board has approved the project and execution of the Power Purchase Agreements with the project developers, the effectiveness of those agreements

depend on execution of the accompanying agreements by individual participating members. The Power Purchase Agreements give CC Power 120 days to secure approvals and execute project agreements from each participating CCA (September 27, 2022).

Under each geothermal PPA, CC Power will pay the projects a fixed-price rate per megawatt-hour, with no escalation, for the full term of the contracts. CC Power is entitled to all electricity products from the facility, including the renewable energy produced and Resource Adequacy capacity. Project participants will pay CC Power for their share of the projects' electricity produced and in turn receive their share of the associated electricity products.

### **Project Workforce Requirements**

The Fish Lake Geothermal project has committed to constructing the project with Nevada prevailing wages and may utilize a project labor agreement or comply with the Nevada Renewable Energy Tax Abatement to pay its construction workforce no less than 175% of the statewide average annual wage with health insurance.

Ormat Geothermal has committed to ensure construction workers are paid no less than prevailing wages in Nevada or California, depending on the project's location. In addition, Ormat Geothermal may use a project labor agreement or comply with the Nevada Renewable Energy Tax Abatement requirements.

### **Participating CCAs and Project Capacity Allocations**

Eight CC Power member CCAs are participating in these projects. The participating CCAs, and their applicable shares are identified in Table 2 below.

**Table 2.** Summary of Project Shares for Participating Member CCAs

CCA	Fish Lake Allocation (MW)	Ormat Allocation (MW)	Entitlement Shares (% Fish Lake / % Ormat)	Total Allocations Est. NQC <sup>7</sup>
CleanPowerSF	1.89	17.38	14.5% / 13.9%	16.0
3CE	2.42	22.38	18.6% / 17.9%	20.5
PCE	2.31	21.38	17.8% / 17.1%	19.6
RCEA	0.36	4.00	2.8% / 3.2%	3.6
SJCE	2.26	24.50	17.4% / 19.6%	22.1
SVCE	1.82	16.75	14% / 13.4%	15.4
SCPA	1.52	14.00	11.7% / 11.2%	12.9
VCE	0.42	4.63	3.2% / 3.7%	4.2
<b>Total</b>	<b>13</b>	<b>125</b>	<b>100% / 100%</b>	<b>114.3</b>

Combined, the Fish Lake Geothermal and Ormat Geothermal Projects will provide CleanPowerSF with approximately 19.27 MW of nameplate Firm Clean Resource capacity or 16.0 MW of Net Qualifying Capacity, 0.5 MW more than the 15.5 MW of Firm Clean Resource Net Qualifying Capacity CleanPowerSF is required to procure by the CPUC. Staff believe that the additional project capacity gives CleanPowerSF an appropriate buffer to protect against future regulatory changes that might reduce the Net Qualifying Capacity value of these projects and put CleanPowerSF's compliance with its CPUC obligations at risk.

### Next Steps

Following approval of Commission Resolution No. 22-0109, the General Manager is seeking Board of Supervisors approval to execute energy supply contracts subject to the conditions set forth in Resolution No. 22-0109. Pending approval by the Board of Supervisors, staff intend to bring the Fish Lake Geothermal and Ormat Geothermal agreements to the General Manager for execution before the September 27<sup>th</sup> deadline under the projects' power purchase agreements with CC Power. Staff will continue to keep the

---

<sup>7</sup> Net Qualifying Capacity or NQC refers to the amount of power an electric resource can provide to the grid when it is most constrained and that can be counted towards meeting the CPUC's Resource Adequacy requirements. The NQC for these geothermal projects is currently expected to be 82-87% of the projects' nameplate capacity. This is subject to change in the future by regulatory order.

Commission appraised of the status of these projects in future updates and in the required quarterly reporting established by Resolution no. 22-0109.<sup>8</sup>

## 6. Customer Programs Update

### a. BayREN Regional Heat Pump Water Heater Contractor Incentive Program

As described in previous quarterly reports, CleanPowerSF's participation in the BayREN Regional Heat Pump Water Heater Contractor Incentive Program has officially commenced.<sup>9</sup> This program is intended to help stimulate the regional market for energy efficient heat pump water heaters, a building decarbonization technology, by providing training and incentives to contractors to install these water heaters in CleanPowerSF's service area.

As of the date of this report, the program has received eleven applications for incentives to install new heat pump water heaters for CleanPowerSF customers. To drive higher participation among CleanPowerSF customers, Power staff are taking additional measures to increase awareness about the program among both contractors and customers. In June, the program was highlighted in CleanPowerSF's quarterly email newsletter where email content about the program had one of the highest clicks rates from residential customers. Additionally, this summer, San Francisco based contractors will be targeted for training about the technology and available incentives. The Power Communications Team is working on additional measures to further promote the program to customers this fall.

The \$1,000 available through this Contractor Incentive Program can be layered with incentives from other programs that are currently available to help reduce the costs to residential customers for heat pump water heaters. These additional incentives include BayREN's Home+ program and the Technology and Equipment for Clean Heating Program.<sup>10,11</sup> By layering these incentives,

---

<sup>8</sup> Resolution No. 22-019 may be viewed at: <https://sfpuc.sharefile.com/share/view/s0f9fb0d258c24a78a24f64fc8f06e47d> [accessed on June 29, 2022]

<sup>9</sup> See the CleanPowerSF Quarterly Report communicated to the Commission on April 12, 2022: <https://sfpuc.sharefile.com/share/view/s765559c18a2e42029cd05d5148aa822b> [accessed on June 29, 2022]

<sup>10</sup>For more information on the Bayren Home+ program, see: [Single-Family Homeowners | Bay Area Regional Energy Network \(bayren.org\)](#) [accessed June 30, 2022].

<sup>11</sup> For more information on the Technology and Equipment for Clean Heating program, see: [California TECH Initiative - Energy Solutions \(energy-solution.com\)](#) [accessed

the total costs to install a new heat pump water heater can be reduced by up to \$6,600 in San Francisco.

Staff will continue to update the Commission on the progress of this program in future reports.

### **b. Disadvantaged Communities Green Tariff and Community Solar Programs**

#### **Program Enrollment**

On June 1, 2022, CleanPowerSF began accepting applications for its SuperGreen Saver program. Eligible customers can now apply for enrollment either via the CleanPowerSF website or by calling the CleanPowerSF call center, where they will be screened to ensure they meet all program eligibility requirements.<sup>12</sup> Once enrolled, customers will begin receiving 100% renewable energy at a 20% total electric bill discount. In addition, as reported in previous quarterly updates, customers who are participating in the Arrearage Management Plan will be automatically enrolled in August of this year, after being notified of their enrollment via two mail notices. Finally, Power staff are coordinating with the Power Communications Team to market directly to customers, including but not limited to working with affordable housing management companies in eligible disadvantaged communities. Staff will update the Commission on the status of program enrollment in future reports.

#### **Long-Term Program Power Supply**

Power staff also continues to work on securing long-term renewable supplies for the SuperGreen Saver and Disadvantaged Communities Community Solar discount programs through solicitation PRO.0223.<sup>13</sup> Staff plan to begin contract negotiations in the Summer of 2022 and expect to bring power purchase agreements for approval in late 2022 or 2023, if necessary. The projected schedule for contract award and approvals is summarized in the table below.

---

June 30, 2022]. Please note that as of June 30, 2022 TECH rebates have been suspended for PG&E service territory due to all incentives being reserved.

<sup>12</sup> To be eligible for the SuperGreen Saver program, residential customers must 1) live in a census tract that scored within the top 25% of the latest version of the California Communities Health Screening Tool, CalEnviroScreen, 2) be eligible for CARE or FERA, and 3) not be enrolled in Net Energy Metering.

<sup>13</sup> For more information see SFBid, PRO.0223 at:

<https://sfbid.sfwater.org/opportunity/details/?cid=223> [accessed on July 1, 2022]

**Table 3.** PRO.0223 Solicitation Schedule

<b>Event</b>	<b>Date</b>
Deadline to submit bids	December 15, 2021
Notification of shortlisted bidders	January 14, 2022
PPA negotiations and contract award	July - September 2022
Submission of PPA(s) for approval	October 2022 - January 2023

Staff are also planning to issue a second renewable energy solicitation later in the year seeking bids for any remaining SuperGreen Saver and Disadvantaged Communities Community Solar program capacity needs, once the PRO.0223 solicitation is complete.

### **c. Peak Day Pricing Program**

On July 1, 2022, CleanPowerSF will begin its fourth Peak Day Pricing season. CleanPowerSF's Peak Day Pricing Program rewards businesses for reducing their electricity use between 4 pm and 9 pm on six to twelve "Event Days" from July 1 - October 31. Most program details, including the incentive amount paid to participating customers for reducing their electricity use, remain unchanged from last season. One new detail is that customers can now dually enroll into CleanPowerSF's Peak Day Pricing Program and PG&E's Emergency Load Reduction program, increasing the total incentive amount available for customers to reduce electricity use when simultaneous event days are called. The Peak Day Pricing program helps CleanPowerSF manage power supply costs, reduce greenhouse gas emissions, and mitigate stress on the electrical grid during days when demand is the highest.

CleanPowerSF is actively recruiting additional customers to participate in this season's program, which closes to new applicants on July 31, 2022. For more information about the Peak Day Pricing Program, including how to enroll, please visit our website at: <https://www.cleanpowersf.org/pdp>.

### **Attachments**

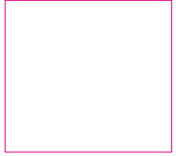
- A. Residential E-TOU-C, 2022 Joint Rate Mailer
- B. Small Commercial B-1, 2022 Joint Rate Mailer
- C. Medium Commercial B-10, 2022 Joint Rate Mailer
- D. Large Commercial B-19S, 2022 Joint Rate Mailer



CleanPowerSF



CleanPowerSF  
525 Golden Gate Ave.  
San Francisco, CA 94102



## We support your power to choose

As part of our mutual commitment to support your energy choice, CleanPowerSF and Pacific Gas and Electric Company (PG&E) have partnered to provide you with a comparison of typical residential electric rates, average monthly charges and generation portfolio contents.

If this comparison does not address your specific rate, please visit PG&E online at [pge.com/cca](http://pge.com/cca) or call (866) 743-0335. For CleanPowerSF, visit [cleanpowersf.org](http://cleanpowersf.org) or call (415) 554-0773.



# Understanding your energy choice

## 2022 Residential Rate Comparison, E-TOU-C\*

	PG&E	CleanPowerSF Green	CleanPowerSF SuperGreen
Generation Rate (\$/kWh)	\$0.12033	\$0.12642	\$0.13642
PG&E Delivery Rate (\$/kWh)	\$0.18659	\$0.18659	\$0.18659
PG&E PCIA/FF (\$/kWh)	\$0.02653	\$0.02044	\$0.02044
Total Electricity Cost (\$/kWh)	\$0.33345	\$0.33345	\$0.34345
<b>Average Monthly Bill (\$)</b>	<b>\$83.27</b>	<b>\$83.27</b>	<b>\$85.77</b>

\* This compares electricity costs for an average residential customer in the CleanPowerSF/PG&E service area with an average monthly usage of 250 kilowatt-hours (kWh). This is based on a representative 12-month billing history for all customers on E-TOU-C rate schedules for PG&E's and CleanPowerSF's published rates as of March 2022.

**Generation Rate** is the cost of creating electricity to power your home. The generation rate varies based on your energy provider and the resources included in your energy provider's generation supply.

**PG&E Delivery Rate** is a charge assessed by PG&E to deliver electricity to your home. The PG&E delivery rate depends on your electricity usage, but is charged equally to both CleanPowerSF and PG&E customers.

**PG&E PCIA/FF** represents the Power Charge Indifference Adjustment (PCIA) and the Franchise Fee surcharge (FF). The PCIA is a charge to ensure that both PG&E customers and those who have left PG&E service to purchase electricity from other providers pay the above market costs for generation resources that were procured by PG&E on their behalf. "Above market" refers to expenditures for electric generation resources that cannot be fully recovered through sales of these resources at current market prices. PG&E acts as a collection agent for the FF surcharge, which is levied by the California Public Utilities Commission (CPUC) on behalf of cities and counties in PG&E's service territory for all customers. PG&E bundled customers pay the PCIA and FF fees associated with the most currently available vintage year. PG&E charges CleanPowerSF customers the PCIA and FF fees based on the year that they transitioned to CleanPowerSF service. Visit [cleanpowersf.org](https://cleanpowersf.org) for more information.

If this comparison does not address your specific rate, please visit PG&E online at [pge.com/ccca](https://pge.com/ccca) or call (866) 743-0335. For CleanPowerSF, visit [cleanpowersf.org](https://cleanpowersf.org) or call (415) 554-0773.

## Electric Power Generation Mix\* Percent of Total Retail Sales (kWh)

Specific Purchases	PG&E	CleanPowerSF Green	CleanPowerSF SuperGreen
<b>Renewable Procurements</b>	<b>48.7%</b>	<b>55.4%</b>	<b>100%</b>
Biomass & Biowaste	4.2%	0.0%	0.0%
Geothermal	5.2%	9.2%	0.0%
Eligible Hydroelectric	1.8%	1.2%	0.0%
Solar	26.6%	19.0%	50.0%
Wind	10.9%	26.0%	50.0%
<b>Coal</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Large Hydroelectric</b>	<b>4.0%</b>	<b>37.6%</b>	<b>0.0%</b>
<b>Natural Gas</b>	<b>7.9%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Nuclear</b>	<b>39.3%</b>	<b>0.1%</b>	<b>0.0%</b>
<b>Other</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Unspecified Sources of Power**</b>	<b>0.0%</b>	<b>6.9%</b>	<b>0.0%</b>
<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

\* As reported to the California Energy Commission's Power Source Disclosure Program excluding voluntary unbundled renewable energy credits. PG&E data is subject to an independent audit and verification that will not be completed until later in 2022. The figures above may not sum up to 100 percent due to rounding.

\*\* Unspecified sources of power refers to electricity that is not traceable to a specific generating facility, such as electricity traded through open market transactions. Unspecified sources of power are typically a mix of all resource types, and may include renewables.

For information, visit:

Para detalles de este programa en español, visite:

參閱本計劃中文版本, 請上網:

Para sa karagdagang impormasyon tungkol sa programa na ito sa wikang Filipino bisitahin ang:

[cleanpowersf.org](https://cleanpowersf.org)



CleanPowerSF



CleanPowerSF  
525 Golden Gate Ave.  
San Francisco, CA 94102



## We support your power to choose

As part of our mutual commitment to support your energy choice, CleanPowerSF and Pacific Gas and Electric Company (PG&E) have partnered to provide you with a comparison of typical commercial electric rates, average monthly charges and generation portfolio contents.

If this comparison does not address your specific rate, please visit PG&E online at [pge.com/cca](http://pge.com/cca) or call (866) 743-0335. For CleanPowerSF, visit [cleanpowersf.org](http://cleanpowersf.org) or call (415) 554-0773.

# Understanding your energy choice

## 2022 Commercial Rate Comparison, B-1\*

	PG&E	CleanPowerSF Green	CleanPowerSF SuperGreen
Generation Rate (\$/kWh)	\$0.11997	\$0.12583	\$0.13333
PG&E Delivery Rate (\$/kWh)	\$0.17693	\$0.17693	\$0.17693
PG&E PCIA/FF (\$/kWh)	\$0.02554	\$0.01968	\$0.01968
Total Electricity Cost (\$/kWh)	\$0.32244	\$0.32244	\$0.32994
<b>Average Monthly Bill (\$)</b>	<b>\$421.76</b>	<b>\$421.76</b>	<b>\$431.57</b>

\* This compares electricity costs for an average customer in the CleanPowerSF/PG&E service area with an average monthly usage of 1,308 kilowatt-hours (kWh). This is based on a representative 12-month billing history for all customers on B-1 rate schedules for PG&E's and CleanPowerSF's published rates as of March 2022.

**Generation Rate** is the cost of creating electricity to power your business. The generation rate varies based on your energy provider and the resources included in your energy provider's generation supply.

**PG&E Delivery Rate** is a charge assessed by PG&E to deliver electricity to your business. The PG&E delivery rate depends on your electricity usage, but is charged equally to both CleanPowerSF and PG&E customers.

**PG&E PCIA/FF** represents the Power Charge Indifference Adjustment (PCIA) and the Franchise Fee surcharge (FF). The PCIA is a charge to ensure that both PG&E customers and those who have left PG&E service to purchase electricity from other providers pay the above market costs for generation resources that were procured by PG&E on their behalf. "Above market" refers to expenditures for electric generation resources that cannot be fully recovered through sales of these resources at current market prices. PG&E acts as a collection agent for the FF surcharge, which is levied by the California Public Utilities Commission (CPUC) on behalf of cities and counties in PG&E's service territory for all customers. PG&E bundled customers pay the PCIA and FF fees associated with the most currently available vintage year. PG&E charges CleanPowerSF customers the PCIA and FF fees based on the year that they transitioned to CleanPowerSF service. Visit [cleanpowersf.org](https://cleanpowersf.org) for more information.

If this comparison does not address your specific rate, please visit PG&E online at [pge.com/cca](https://pge.com/cca) or call (866) 743-0335. For CleanPowerSF, visit [cleanpowersf.org](https://cleanpowersf.org) or call (415) 554-0773.

## Electric Power Generation Mix\* Percent of Total Retail Sales (kWh)

Specific Purchases	PG&E	CleanPowerSF Green	CleanPowerSF SuperGreen
<b>Renewable Procurements</b>	<b>48.7%</b>	<b>55.4%</b>	<b>100%</b>
Biomass & Biowaste	4.2%	0.0%	0.0%
Geothermal	5.2%	9.2%	0.0%
Eligible Hydroelectric	1.8%	1.2%	0.0%
Solar	26.6%	19.0%	50.0%
Wind	10.9%	26.0%	50.0%
<b>Coal</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Large Hydroelectric</b>	<b>4.0%</b>	<b>37.6%</b>	<b>0.0%</b>
<b>Natural Gas</b>	<b>7.9%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Nuclear</b>	<b>39.3%</b>	<b>0.1%</b>	<b>0.0%</b>
<b>Other</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Unspecified Sources of Power**</b>	<b>0.0%</b>	<b>6.9%</b>	<b>0.0%</b>
<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

\* As reported to the California Energy Commission's Power Source Disclosure Program excluding voluntary unbundled renewable energy credits. PG&E data is subject to an independent audit and verification that will not be completed until later in 2022. The figures above may not sum up to 100 percent due to rounding.

\*\* Unspecified sources of power refers to electricity that is not traceable to a specific generating facility, such as electricity traded through open market transactions. Unspecified sources of power are typically a mix of all resource types, and may include renewables.

For information, visit:

Para detalles de este programa en español, visite:

參閱本計劃中文版本, 請上網:

Para sa karagdagang impormasyon tungkol sa programa na ito sa wikang Filipino bisitahin ang:

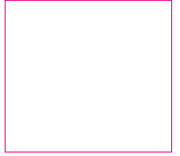
[cleanpowersf.org](https://cleanpowersf.org)



CleanPowerSF



CleanPowerSF  
525 Golden Gate Ave.  
San Francisco, CA 94102



## We support your power to choose

As part of our mutual commitment to support your energy choice, CleanPowerSF and Pacific Gas and Electric Company (PG&E) have partnered to provide you with a comparison of typical commercial electric rates, average monthly charges and generation portfolio contents.

If this comparison does not address your specific rate, please visit PG&E online at [pge.com/cca](http://pge.com/cca) or call **(866) 743-0335**. For CleanPowerSF, visit [cleanpowersf.org](http://cleanpowersf.org) or call **(415) 554-0773**.

# Understanding your energy choice

## 2022 Commercial Rate Comparison, B-10S\*

	PG&E	CleanPowerSF Green	CleanPowerSF SuperGreen
Generation Rate (\$/kWh)	\$0.12707	\$0.13337	\$0.13837
PG&E Delivery Rate (\$/kWh)	\$0.12759	\$0.12759	\$0.12759
PG&E PCIA/FF (\$/kWh)	\$0.02746	\$0.02116	\$0.02116
Total Electricity Cost (\$/kWh)	\$0.28212	\$0.28212	\$0.28712
<b>Average Monthly Bill (\$)</b>	<b>\$4,379.39</b>	<b>\$4,379.39</b>	<b>\$4,457.01</b>

\* This compares electricity costs for an average customer in the CleanPowerSF/PG&E service area with an average monthly demand of 47 kW and an average monthly usage of 15,523 kilowatt-hours (kWh). This is based on a representative 12-month billing history for all customers on B-10S rate schedules for PG&E's and CleanPowerSF's published rates as of March 2022.

**Generation Rate** is the cost of creating electricity to power your business. The generation rate varies based on your energy provider and the resources included in your energy provider's generation supply.

**PG&E Delivery Rate** is a charge assessed by PG&E to deliver electricity to your business. The PG&E delivery rate depends on your electricity usage, but is charged equally to both CleanPowerSF and PG&E customers.

**PG&E PCIA/FF** represents the Power Charge Indifference Adjustment (PCIA) and the Franchise Fee surcharge (FF). The PCIA is a charge to ensure that both PG&E customers and those who have left PG&E service to purchase electricity from other providers pay the above market costs for generation resources that were procured by PG&E on their behalf. "Above market" refers to expenditures for electric generation resources that cannot be fully recovered through sales of these resources at current market prices. PG&E acts as a collection agent for the FF surcharge, which is levied by the California Public Utilities Commission (CPUC) on behalf of cities and counties in PG&E's service territory for all customers. PG&E bundled customers pay the PCIA and FF fees associated with the most currently available vintage year. PG&E charges CleanPowerSF customers the PCIA and FF fees based on the year that they transitioned to CleanPowerSF service. Visit [cleanpowersf.org](https://cleanpowersf.org) for more information.

If this comparison does not address your specific rate, please visit PG&E online at [pge.com/cca](https://pge.com/cca) or call (866) 743-0335. For CleanPowerSF, visit [cleanpowersf.org](https://cleanpowersf.org) or call (415) 554-0773.

## Electric Power Generation Mix\* Percent of Total Retail Sales (kWh)

Specific Purchases	PG&E	CleanPowerSF Green	CleanPowerSF SuperGreen
<b>Renewable Procurements</b>	<b>48.7%</b>	<b>55.4%</b>	<b>100%</b>
Biomass & Biowaste	4.2%	0.0%	0.0%
Geothermal	5.2%	9.2%	0.0%
Eligible Hydroelectric	1.8%	1.2%	0.0%
Solar	26.6%	19.0%	50.0%
Wind	10.9%	26.0%	50.0%
<b>Coal</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Large Hydroelectric</b>	<b>4.0%</b>	<b>37.6%</b>	<b>0.0%</b>
<b>Natural Gas</b>	<b>7.9%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Nuclear</b>	<b>39.3%</b>	<b>0.1%</b>	<b>0.0%</b>
<b>Other</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Unspecified Sources of Power**</b>	<b>0.0%</b>	<b>6.9%</b>	<b>0.0%</b>
<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

\* As reported to the California Energy Commission's Power Source Disclosure Program excluding voluntary unbundled renewable energy credits. PG&E data is subject to an independent audit and verification that will not be completed until later in 2022. The figures above may not sum up to 100 percent due to rounding.

\*\* Unspecified sources of power refers to electricity that is not traceable to a specific generating facility, such as electricity traded through open market transactions. Unspecified sources of power are typically a mix of all resource types, and may include renewables.

For information, visit:

Para detalles de este programa en español, visite:

參閱本計劃中文版本, 請上網:

Para sa karagdagang impormasyon tungkol sa programa na ito sa wikang Filipino bisitahin ang:

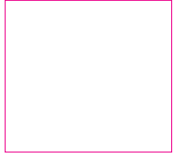
[cleanpowersf.org](https://cleanpowersf.org)



CleanPowerSF



CleanPowerSF  
525 Golden Gate Ave.  
San Francisco, CA 94102



## We support your power to choose

As part of our mutual commitment to support your energy choice, CleanPowerSF and Pacific Gas and Electric Company (PG&E) have partnered to provide you with a comparison of typical commercial electric rates, average monthly charges and generation portfolio contents.

If this comparison does not address your specific rate, please visit PG&E online at [pge.com/cca](http://pge.com/cca) or call (866) 743-0335. For CleanPowerSF, visit [cleanpowersf.org](http://cleanpowersf.org) or call (415) 554-0773.

# Understanding your energy choice

## 2022 Commercial Rate Comparison, B-19S\*

	PG&E	CleanPowerSF Green	CleanPowerSF SuperGreen
Generation Rate (\$/kWh)	\$0.11547	\$0.12136	\$0.12636
PG&E Delivery Rate (\$/kWh)	\$0.11084	\$0.11084	\$0.11084
PG&E PCIA/FF (\$/kWh)	\$0.02567	\$0.01978	\$0.01978
Total Electricity Cost (\$/kWh)	\$0.25198	\$0.25198	\$0.25698
<b>Average Monthly Bill (\$)</b>	<b>\$42,191.13</b>	<b>\$42,191.13</b>	<b>\$43,028.32</b>

\* This compares electricity costs for an average customer in the CleanPowerSF/PG&E service area with an average monthly demand of 455 kW and an average monthly usage of 167,438 kilowatt-hours (kWh). This is based on a representative 12-month billing history for all customers on B-19S rate schedules for PG&E's and CleanPowerSF's published rates as of March 2022.

**Generation Rate** is the cost of creating electricity to power your business. The generation rate varies based on your energy provider and the resources included in your energy provider's generation supply.

**PG&E Delivery Rate** is a charge assessed by PG&E to deliver electricity to your business. The PG&E delivery rate depends on your electricity usage, but is charged equally to both CleanPowerSF and PG&E customers.

**PG&E PCIA/FF** represents the Power Charge Indifference Adjustment (PCIA) and the Franchise Fee surcharge (FF). The PCIA is a charge to ensure that both PG&E customers and those who have left PG&E service to purchase electricity from other providers pay the above market costs for generation resources that were procured by PG&E on their behalf. "Above market" refers to expenditures for electric generation resources that cannot be fully recovered through sales of these resources at current market prices. PG&E acts as a collection agent for the FF surcharge, which is levied by the California Public Utilities Commission (CPUC) on behalf of cities and counties in PG&E's service territory for all customers. PG&E bundled customers pay the PCIA and FF fees associated with the most currently available vintage year. PG&E charges CleanPowerSF customers the PCIA and FF fees based on the year that they transitioned to CleanPowerSF service. Visit [cleanpowersf.org](https://cleanpowersf.org) for more information.

If this comparison does not address your specific rate, please visit PG&E online at [pge.com/cca](https://pge.com/cca) or call (866) 743-0335. For CleanPowerSF, visit [cleanpowersf.org](https://cleanpowersf.org) or call (415) 554-0773.

## Electric Power Generation Mix\* Percent of Total Retail Sales (kWh)

Specific Purchases	PG&E	CleanPowerSF Green	CleanPowerSF SuperGreen
<b>Renewable Procurements</b>	<b>48.7%</b>	<b>55.4%</b>	<b>100%</b>
Biomass & Biowaste	4.2%	0.0%	0.0%
Geothermal	5.2%	9.2%	0.0%
Eligible Hydroelectric	1.8%	1.2%	0.0%
Solar	26.6%	19.0%	50.0%
Wind	10.9%	26.0%	50.0%
<b>Coal</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Large Hydroelectric</b>	<b>4.0%</b>	<b>37.6%</b>	<b>0.0%</b>
<b>Natural Gas</b>	<b>7.9%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Nuclear</b>	<b>39.3%</b>	<b>0.1%</b>	<b>0.0%</b>
<b>Other</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Unspecified Sources of Power**</b>	<b>0.0%</b>	<b>6.9%</b>	<b>0.0%</b>
<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

\* As reported to the California Energy Commission's Power Source Disclosure Program excluding voluntary unbundled renewable energy credits. PG&E data is subject to an independent audit and verification that will not be completed until later in 2022. The figures above may not sum up to 100 percent due to rounding.

\*\* Unspecified sources of power refers to electricity that is not traceable to a specific generating facility, such as electricity traded through open market transactions. Unspecified sources of power are typically a mix of all resource types, and may include renewables.

For information, visit:

Para detalles de este programa en español, visite:

參閱本計劃中文版本, 請上網:

Para sa karagdagang impormasyon tungkol sa programa na ito sa wikang Filipino bisitahin ang:

[cleanpowersf.org](https://cleanpowersf.org)