Community Advisory Committee Meeting
Monday, September 19, 2022
6:00pm
https://us02web.zoom.us/j/84794506189
Or join by phone:
Dial(for higher quality, dial a number based on your current location):
US: +1 669 900 6833 or +1 346 248 7799 or +1 253 215 8782 or +1 929 205 6099 or +1 301 715 8592 or +1 312 626 6799 or 877 853 5257 (Toll Free)
Webinar ID: 847 9450 6189

Meetings are accessible to people with disabilities. Individuals who need special assistance or a disability-related modification or accommodation to participate in this meeting, or who have a disability and wish to request an alternative format for the meeting materials, should contact the Clerk of the Board at least 2 working days before the meeting at (510) 906-0491 or cob@ebce.org.

If you have anything that you wish to be distributed to the Committee, please email it to the clerk by 5:00 pm the day prior to the meeting.

C1. Welcome & Roll Call

C2. Public Comment

This item is reserved for persons wishing to address the Committee on any EBCE-related matters that are not otherwise on this meeting agenda. Public comments on matters listed on the agenda shall be heard at the time the matter is called. As with all public comment, members of the public who wish to address the Committee are customarily limited to three minutes per speaker and must complete an electronic speaker slip. The Committee Chair may increase or decrease the time allotted to each speaker.

C3. Approval of Minutes from July 18, 2022

C4. CAC Chair Report

C5. Update on Integrated Resource Planning Analysis (CAC Informational Item)
Informational update on progress in IRP analysis

C6. 2021 Power Source Disclosure Annual Report and Power Content Label (CAC Informational Item)
Requesting the Board to accept and attest to the 2021 Power Source Disclosure Report and Power Content Label

C8. CAC Member and Staff Announcements including requests to place items on future CAC agendas

C9. Adjournment to Monday, October 17, 2022 at 6:00pm

Community Advisory Committee Meeting
Draft Minutes
Monday, July 18, 2022
6:00pm
https://us02web.zoom.us/j/84794506189
Or join by phone:
Dial(for higher quality, dial a number based on your current location):
US: +1 669 900 6833 or +1 346 248 7799 or +1 253 215 8782 or +1 929 205 6099 or +1 301 715 8592 or +1 312 626 6799 or 877 853 5257 (Toll Free)
Webinar ID: 847 9450 6189

Meetings are accessible to people with disabilities. Individuals who need special assistance or a disability-related modification or accommodation to participate in this meeting, or who have a disability and wish to request an alternative format for the meeting materials, should contact the Clerk of the Board at least 2 working days before the meeting at (510) 906-0491 or cob@ebce.org.

If you have anything that you wish to be distributed to the Committee, please email it to the clerk by 5:00 pm the day prior to the meeting.

C1. Welcome & Roll Call

Present: Members: Hernandez, Lakshman, Landry, Liu, Souza, Vice-Chair Muetzenberg, and Chair Eldred

Excused: Members: Franch, Swaminathan, Talreja, Pacheco, Lutz

C2. Public Comment

This item is reserved for persons wishing to address the Committee on any EBCE-related matters that are not otherwise on this meeting agenda. Public comments on matters listed on the agenda shall be heard at the time the matter is called. As with all public comment, members of the public who wish to address the Committee are customarily limited to three minutes per speaker and must complete an electronic speaker slip. The Committee Chair may increase or decrease the time allotted to each speaker.

Nyah Tisdell, Local Clean Energy Alliance, urged EBCE to reject the $15 million donation to UCSF Benioff Children's Hospital and reallocate the funding into Local Development Business Plan programs. Nyah Tisdell stated that the EBCE's decision making process must be transparent as well.

Tom Kelly recalled that at the June 13, 2022 CAC meeting, the body voted to create accept other proposals for the use of the grant money. Tom Kelly also stated that EBCE continues to refuse to improve the quality of its power mix.

C3. Approval of Minutes from June 13, 2022

Member Hernandez motioned to approve the minutes. Vice Chair Mutzenberg seconded the motion which passed 7/0.
Excused: Franch, Swaminathan, Talreja, Pacheco, Lutz.

C4. CAC Chair Report

- **Chair Eldred reported that the Board passed the budget at its last meeting without the $15 million grant to Benioff Children's Hospital, and directed staff to come up with options for the funding.**
- **Chair Eldred welcomed new CAC member Souza.**
- **Chair Eldred reported that founding CAC member Chambers' transplant surgery had been postponed due to COVID.**
- **Vice Chair Mutzenberg reported on CAC's June 13th meeting.**

C5. Legislative Update (CAC Action Item)
Update on recommended bill positions and EBCE's bill tracer

There were no speakers for public comment.

Member Hernandez motioned to support staff's recommendations. Member Souza seconded the motion.

The motion passed 6/0.
Excused: Franch, Swaminathan, Talreja, Pacheco, Lutz.
Abstained: Landry.

C6. Director and CAC Stipend Update (CAC Action Item)
Increase the stipend to account for inflation and set a limit up to four (4) stipends per calendar month

The Committee Discussed:

- How stipend percentage increases going forward would increase the disparity between the CAC and BOD stipends
- The maximum number of allocated meetings for which BOD and CAC members can participate.

There were no speakers for public comment.

C7. Joint Rate Mailer and Draft 2021 Power Content (CAC Informational Item)
Overview of the contents in the upcoming Joint Rate Mailer

There were no speakers for public comment.

C8. Sunrun Resource Adequacy Amendment (CAC Action Item)
Amend Sunrun Resource Adequacy contract

Jessica Tovar, East Bay Clean Power Alliance, asked what is causing the stalemate with PG&E that is preventing a virtual net energy-metering project from being successfully implemented and what more could be done?

A vote was not taken for this item.

C9. CAC Member and Staff Announcements including requests to place items on future CAC agendas

Chair Eldred requested a follow up from J.P. Ross on the metrics regarding Sunrun for a future agenda item.

Member Hernandez requested a representative from Sunrun speak on the metrics for Sunrun's success for a future agenda item.

Member Landry requested reviewing the in-house call center for a future agenda item.

Member Souza requested a discussion with staff, with a small presentation, regarding electrification in homes for a future agenda item.

C10. Adjournment to Monday, September 19, 2022 at 6:00pm

CAC Item C5
Staff Report Item 15

TO: East Bay Community Energy Board of Directors

FROM: Marie Fontenot, Vice President of Power Resources

SUBJECT: **Update on timeline and process for EBCE's 2022 Integrated Resource Plan**

DATE: September 21, 2022

Recommendation

Receive an informational update on EBCE's 2022 Integrated Resource Planning (IRP) process in anticipation of a October review of results and request for Board approval of compliance filing.

Background and Discussion

The IRP proceeding includes two primary components: the biennial study workstream and the mandated procurement workstream. This memo refers only to the biennial study workstream.

The IRP is a long-term planning proceeding intending to evaluate all of the CPUC's electric procurement policies and programs and the reliability and cost-effectiveness of the CPUC-jurisdictional entities'[1] electric supply with the goal of reducing the cost of achieving GHG reductions and other CPUC policy goals. The IRP proceeding looks 10 years forward to determine the least-cost resource mix required to meet these goals while maintaining system reliability.

The IRP also evaluates the contribution of individual entities' resource portfolios to the State's greenhouse gas (GHG) emissions. This IRP cycle, the CPUC is requiring each entity to submit distinct portfolios that achieve their proportional share of two alternative statewide electric sector GHG targets. EBCE will report analysis results and proposed resource portfolios that address the question "what are the desired portfolios of resources based on a statewide electric sector goal of achieving (1) 30 million metric tons (MMT) of GHG emissions by 2030; and (2) a maximum of 25 MMT of GHG emissions by 2030." The inputs and assumptions used

[1] In context of IRP requirements, includes Investor Owned Utilities (IOUs), Energy Service Providers (ESPs), and Community Choice Aggregators (CCAs).

in the 30 MMT and 25 MMT scenario must be consistent with CPUC-assumptions; the required assumptions are discussed below. Entities are also permitted to submit an alternative portfolio that uses different assumptions, provided those assumptions are identified and justification for the discrepancies are described.

All CPUC-jurisdictional entities are required to file and serve their individual IRPs with the CPUC by November 1, 2022. CPUC Decision 22-02-004, issued February 10, 2022, adopted the 2021 IRP Preferred System Plan and established the November filing deadline. An subsequent Ruling, issued on June 15, 2022 established the final load forecasts and GHG benchmarks for the 2022 IRP Plans. The Ruling also clarified that load serving entity filing must include three documents: (1) a Narrative Template, (2) the Resource Data Template which details the resources in each LSE's proposed portfolio, and (3) the Clean System Power (CSP) Calculator which calculates GHG and other emission results for each LSE's portfolio. Staff will present the results of the 2022 IRP analysis and the recommended portfolio of resources in the October Board meeting. In this meeting, staff will seek the Board approval of the filing prior to the filing, consistent with the CPUC's requirement of IRP filings completed by CCAs.

Financial Impact

None. Informational update only.

Attachments

A. Presentation

SEPTEMBER, 2022

Integrated Resource Plan Update

EAST BAY COMMUNITY ENERGY

Background

- **Integrated Resources Plan (IRP): a biennial analysis and filing required by CPUC.**
  - Load serving entities (LSEs) submit long-term procurement plans to the CPUC
- **Evaluate LSEs' ability to contribute to emissions reduction while meeting electricity-related compliance obligations.**
- **CPUC evaluates California's resource needs for 10 coming years.**
  - Important: can result in CPUC-mandated procurement

Deliverables

CPUC

1) Analyses based on CPUC-prescribed elements & with EBCE-specified changes
2) Narrative - analyses, process, results, lessons learned, procurement targets
3) Resource Data Template - conforming and preferred portfolios
4) Clean System Power Calculator

EBCE Board

1) All CPUC materials for review and approval pre-filing
2) Understand drivers of portfolio costs
3) Evaluate macro-level resource ability
4) Identify potential threats to EBCE 0MMT 2030 portfolio; later develop mitigations

Timeline

Date	Event
February 2022	Decision Adopting 2021 PSP, Establishing 2022 IRP Schedule
April 20, 2022	ALJ Ruling Proposes 2022 IRP load forecasts & GHG benchmarks
June 28, 2022	Final load forecasts & GHG benchmark inputs
July 15, 2022	Final Clean System Power Calculator (Emission analysis tool)
July 15, 2022	Final Filing Requirements and guides published
Aug 24, 2022	Final Resource Data Template
Aug – Sept 2022	EBCE performs quantitative analyses, develops portfolios
Sept – Oct 2022	EBCE refines portfolio results, prepares filing narrative materials
Oct 19, 2022	Presentation to EBCE Board; staff seeks approval to file
Nov 1, 2022	IRP filing deadline to CPUC

Analytical Benefits to EBCE

- **CPUC-coordinated planning promotes a more stable statewide electricity system**
- **Alignment with CPUC view of the market; identification of specific differences in respective views**
- **Evaluation of costs & risks of different portfolios under different potential policy futures**
- **Identify barriers to EBCE's emission reduction objectives**
- **Open-source software can expand modeling & analytic capabilities w/in EBCE**
  - Potential for EBCE to do future modeling in-house

Analytical Approach

Capacity Expansion Model (CEM)

- Zonal modeling explores the tradeoffs between resource types and their suitability to serve California's growing electricity needs
- GridPath modeling software optimizes statewide resource additions to lower emissions while still ensuring sufficient capacity on the system to avoid rolling blackouts

Production Cost Model (PCM)

- Hourly dispatch modeling of all generators in state determines price environment which EBCE will be operating into the future
- Captures expected shifts in price patterns that may arise from combinations of increased solar resource on the CA grid, electrification efforts, eventual retirement of Diablo Canyon, etc.

Portfolio Expansion Modeling (PEM)

- In the context of the CA energy system modeled above, EBCE optimizes resource procurement over the next 20 years to minimize the cost purchased energy while achieving state-mandated or locally-driven goals

EAST BAY COMMUNITY ENERGY

Modeling Framework

Capacity Expansion Model (CEM)

- California Public Utilities Commission (CPUC) requires that all load-service entities (LSEs) submit plans consistent with a 30 million metric tons (MMT) and 25 MMT statewide emissions targets
- Staff considers the 25 MMT case to be our "base case"
- EBCE has developed its own case in which capacity concerns keep Diablo and select natural gas-fired plants on the system beyond the retirement dates specified in the CPUC cases

Production Cost Model (PCM)

- The base case assumes normal hydro conditions and a return to lower natural gas prices
- Staff will also look at a case in which constrained hydro availability and potential ongoing natural gas supply disruptions put upward pressure on CA electricity prices

Portfolio Expansion Modeling (PEM)

- The base case assumes no expansion of EBCE territory and that all projects are completed on schedule
- Staff will explore the impact of adding Stockton / San Joaquin County in 2024 (?)
- Staff is also looking at a case in which supply chain disruptions lead to project delays, to understand the magnitude of the market exposure that arises in these cases and consider strategies to mitigate that exposure

EAST BAY COMMUNITY ENERGY

Framing an IRP

Aisle 1

- 30 MMT grid emissions *
- 25 MMT grid emissions *
- Diablo retirement delayed
- O-T-C Gas retirement delayed
- Global Supply Chain / new resource delays

Aisle 2

- CPUC Price Assumptions *
- Stable Prices
- Extreme (high) Prices
- Extreme (low) Prices
- Prices Variation

Aisle 3

- CPUC “base” portfolio *
- EBCE Extreme Project Delays
- EBCE service territory expansion
- EBCE electrification

* Indicates CPUC requirement

EAST BAY COMMUNITY ENERGY

Framing an IRP

Aisle 1

- 30 MMT grid emissions *
- 25 MMT grid emissions *
- Diablo retirement
- Delayed retirements
- delayed
- Global Supply Chain / new resource delays

Aisle 2

- CPUC Price Assumptions *
- Stable Prices
- Extreme (high) Prices
- Extreme (low) Prices
- Prices Variation

Aisle 3

- CPUC “base” portfolio *
- EBCE Extreme Project Delays
- EBCE service
- EBCE load growth
- electrification

* Indicates CPUC requirement

EAST BAY COMMUNITY ENERGY

Impacts of the IRP

IRP-Directed Procurement Trend: More capacity procurement, more procurement of specific technologies

- 2018 IRP: CPUC ordered 3,300 MW of incremental procurement online in 2021-2023.
- 2020 IRP: CPUC ordered 11,500 MW of incremental procurement online in 2024-2026, including 1,000 MW of Geothermal and 1,000 MW of Long-Duration Energy Storage.
- 2022 IRP Cycle indicates CPUC interest in Long-Duration Energy Storage (>4 hr) and Off-Shore Wind development.
- IRP Procurement Program proposal could start as early as 2023 with ongoing oversight of LSEs.

Risk that IRP Procurement Displaces EBCE's Resource Portfolio Design

- IRP-driven procurement may mandate higher volumes of technology-specific procurement such as geothermal, off-shore wind, energy storage, or other resources than EBCE would select on its own.

Thank You!

Questions? Give us a call:

1-833-699-EBCE (3223)

@PoweredbyEBCE

customer-support@ebce.org

Español
ebce.org/es

中文
ebce.org/cn

EAST BAY COMMUNITY ENERGY

Appendix

CAC Item C6
Consent Item 7

TO: East Bay Community Energy Board of Directors

FROM: Izzy Carson, Power Resources Manager

SUBJECT: **2021 Power Source Disclosure Annual Report and Power Content Label (Action Item)**

DATE: September 21, 2022

Recommendation

Adopt a Resolution to accept and attest to the veracity of the 2021 Power Source Disclosure Program Annual Report (PSDR) and the 2021 Power Content Label (PCL).

Background and Discussion

Background

The California State Legislature passed Senate Bill (SB) 1305 in 1997, establishing the Power Source Disclosure Program in order to provide retail electricity consumers "accurate, reliable, and simple to understand information on the sources of energy that are used to provide electric services." Assembly Bill (AB) 162, adopted in 2009, modified the reporting requirements of SB 1305. AB 162 requires all retail suppliers of electricity in California (CA) to disclose the sources of the electricity they sell to customers using reporting formats developed by the California Energy Commission (CEC). In 2016, AB 1110 was passed which further modified the PSDR reporting requirements, including among other things, changes to reporting for unbundled Renewable Energy Credits (RECs) and requiring retail sellers to disclose the greenhouse gas (GHG) emissions factor associated with each electricity portfolio. The CEC updated the regulations implementing SB 1305, AB 162, and AB 1100 effective May 2020.

For each year's filing, East Bay Community Energy (EBCE) is required to 1) submit an Annual Report (the PSDR) to the CEC detailing its actual resource mix for the previous calendar year, and 2) provide an annual PCL to customers and the CEC showing the percentage breakdown by resource type by October 1st.

Under the CEC's regulations, private retail electricity suppliers must engage an auditor to verify the accuracy and completeness of data submitted to the CEC in the PSDR; however, public agencies are allowed to provide a self-attestation. Therefore, to fulfill its Power Source Disclosure Program reporting obligations for 2021, EBCE must provide the CEC with the Board's attestation to the veracity of the PSDR and PCL.

Power Source Disclosure Report and Power Content Label

Each year EBCE reports electricity purchases and retail sales to the CEC through the PSDR. The PSDR contains a breakdown of energy purchases over a calendar year for each retail plan and is counted as a percent of total sales by source. The CEC uses these reports from each electricity retail seller serving load in CA to generate a total CA system power mix by source.

In addition, EBCE discloses to its customers the power mix for each retail plan alongside the CA power mix on the PCL. The PCL allows customers to compare their power content to the total California power mix and to other electricity providers and is provided to customers through a mailer and posted on the EBCE webpage.

Table 1: EBCE's 2021 Power Content Label data

2021 POWER CONTENT LABEL				
Energy Resources	Renewable 100	Brilliant 100	Bright Choice	2021 CA Power Mix
Eligible Renewable	100.0%	35.8%	42.3%	33.6%
Biomass & Biowaste	0.0%	0.0%	0.5%	2.3%
Geothermal	0.0%	0.0%	0.0%	4.8%
Eligible Hydroelectric	0.0%	0.0%	0.2%	1.0%
Solar	50.0%	17.9%	19.0%	14.2%
Wind	50.0%	17.9%	22.6%	11.4%
Coal	0.0%	0.0%	0.0%	3.0%
Large Hydroelectric	0.0%	64.2%	15.9%	9.2%
Natural Gas	0.0%	0.0%	0.0%	37.9%
Nuclear	0.0%	0.0%	1.7%	9.3%
Other	0.0%	0.0%	0.1%	0.2%
Unspecified sources of power	0.0%	0.0%	40.0%	6.8%
TOTAL	100.0%	100.0%	100.0%	100.0%

Greenhouse Gas Emissions

AB 1110 and the CEC's regulations require electricity suppliers to disclose the GHG emissions intensity associated with its electricity sources for the previous calendar year. The GHG emissions factor can only be reported through the PCL and not on any third party platform.

In addition to asking the Board to accept the 2021 PSDR and PCL, this report presents the emissions factor for Bright Choice from 2021 that also appears on the PCL.

EBCE 2021 Bright Choice Emissions Factor:
564 lb-CO^2e/MWh

Under EBCE's current retail plan design, both the Renewable 100 and Brilliant 100 products are emissions free. The emissions from Bright Choice will decrease over time as we move towards carbon free content by 2030.

Methodology

In preparing the PSDR, staff populates the template with electricity purchases from generation that occurred during the calendar year. Delivered RECs are tracked using the Western Renewable Energy Generation Information System (WREGIS), and carbon free purchases including electricity from Large Hydroelectric generation is tracked using either meter data or E-tags. The E-tags trace the generation from the source to the delivery location. All the purchased generation is compared against invoices for accuracy, and retail sales are counted using the settlement quality meter data from our accounting service which is EBCE's system of record for sales. The complete PSDR is then reviewed internally to ensure accuracy in reporting prior to submission to the CEC.

Fiscal Impact

There are no fiscal impacts in accepting and attesting to the veracity of the 2021 Power Source Disclosure Annual Report and the 2021 Power Content Label.

Attachments

A. Resolution of the Board of Directors of East Bay Community Energy Accepting and Attesting to the 2021 Power Source Disclosure Annual Report and the 2021 Power Content Label
B. 2021 Power Source Disclosure Reports - Schedule 3
C. 2021 Power Content Label
D. Presentation of Power Source Disclosure Report and Power Content Label

RESOLUTION NO. R-2022-__

A RESOLUTION OF THE BOARD OF DIRECTORS

OF THE EAST BAY COMMUNITY ENERGY AUTHORITY TO ACCEPT AND ATTEST TO THE VERACITY OF THE 2021 POWER SOURCE DISCLOSURE PROGRAM ANNUAL REPORT AND THE 2021 POWER CONTENT LABEL

WHEREAS The East Bay Community Energy Authority ("EBCE") was formed as a community choice aggregation agency ("CCA") on December 1, 2016, Under the Joint Exercise of Power Act, California Government Code sections 6500 *et seq.,* among the County of Alameda, and the Cities of Albany, Berkeley, Dublin, Emeryville, Fremont, Hayward, Livermore, Piedmont, Oakland, San Leandro, and Union City to study, promote, develop, conduct, operate, and manage energy-related climate change programs in all of the member jurisdictions. The cities of Newark and Pleasanton, located in Alameda County, along with the City of Tracy, located in San Joaquin County, were added as members of EBCE and parties to the JPA in March of 2020.

WHEREAS The California State Legislature passed Senate Bill (SB) 1305 in 1997, and in 2009 passed Assembly Bill (AB) 162, which modified the reporting requirements of SB 1305. AB 162 requires all retail suppliers of electricity in California to disclose the sources of the electricity they sell to customers using reporting formats developed by the California Energy Commission.

WHEREAS In 2016, AB 1110 was passed which further modified the Power Source Disclosure Reporting requirements.

WHEREAS California Code of Regulations, title 20, section 1394.2(a)(2), as modified by the California Energy Commission in May 2020, allows the Board of Directors of a retail supplier of electricity that is a public agency to attest to the veracity of the information contained in the Power Source Disclosure Annual Report and Power Content Label to fulfill the audit requirement for each retail product.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE EAST BAY COMMUNITY ENERGY AUTHORITY DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. The Board of Directors accepts and attests to the veracity of the 2021 Power Source Disclosure Annual Report and the 2021 Power Content Label.

ADOPTED AND APPROVED this 21st day of September 2022.

_____

Dianne Martinez, Chair

ATTEST:

_____

Adrian Bankhead, Clerk of the Board

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2021
East Bay Community Energy
Bright Choice

Instructions: No data input is needed on this schedule. Retail suppliers should use these auto-populated calculations to fill out their Power Content Labels.

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
Renewable Procurements	2,261,638	42.3%
Biomass & Biowaste	24,840	0.5%
Geothermal	-	0.0%
Eligible Hydroelectric	12,860	0.2%
Solar	1,015,665	19.0%
Wind	1,208,273	22.6%
Coal	-	0.0%
Large Hydroelectric	847,676	15.9%
Natural gas	-	0.0%
Nuclear	90,635	1.7%
Other	6,344	0.1%
Unspecified Power	2,136,231	40.0%
Total	**5,342,524**	**100.0%**

Total Retail Sales (MWh)	**5,342,524**

GHG Emissions Intensity (converted to lbs CO_2e/MWh)	**564**

Percentage of Retail Sales Covered by Retired Unbundled RECs	**0.0%**

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2021
East Bay Community Energy
Brilliant 100

Instructions: No data input is needed on this schedule. Retail suppliers should use these auto-populated calculations to fill out their Power Content Labels.

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
Renewable Procurements	347,570	35.8%
Biomass & Biowaste	-	0.0%
Geothermal	-	0.0%
Eligible Hydroelectric	-	0.0%
Solar	173,785	17.9%
Wind	173,785	17.9%
Coal	-	0.0%
Large Hydroelectric	623,296	64.2%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
Total	**970,866**	**100.0%**

Total Retail Sales (MWh)	**970,866**
GHG Emissions Intensity (converted to lbs CO_2e/MWh)	**-**
Percentage of Retail Sales Covered by Retired Unbundled RECs	**0.0%**

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2021
East Bay Community Energy
Renewable 100

Instructions: No data input is needed on this schedule. Retail suppliers should use these auto-populated calculations to fill out their Power Content Labels.

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
Renewable Procurements	97,229	100.0%
Biomass & Biowaste	-	0.0%
Geothermal	-	0.0%
Eligible Hydroelectric	-	0.0%
Solar	48,615	50.0%
Wind	48,614	50.0%
Coal	-	0.0%
Large Hydroelectric	-	0.0%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
Total	**97,229**	**100.0%**

Total Retail Sales (MWh)	**97,229**
GHG Emissions Intensity (converted to lbs CO_2e/MWh)	**-**
Percentage of Retail Sales Covered by Retired Unbundled RECs	**0.0%**

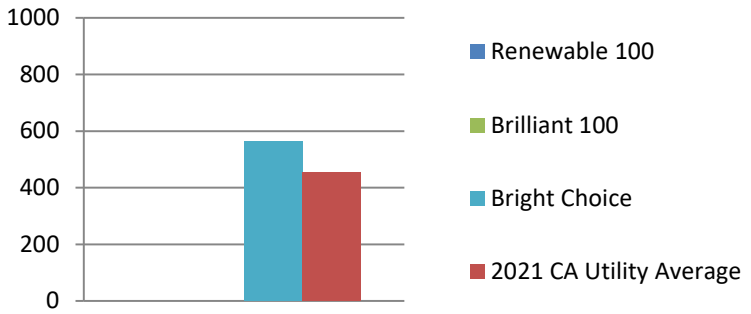
2021 POWER CONTENT LABEL

East Bay Community Energy

ebce.org/documents-and-resources

Greenhouse Gas Emissions Intensity (lbs CO_2e/MWh)

Renewable 100	Brilliant 100	Bright Choice	2021 CA Utility Average
0	**0**	**564**	**456**



Energy Resources	Renewable 100	Brilliant 100	Bright Choice	2021 CA Power Mix
Eligible Renewable[1]	**100.0%**	**35.8%**	**42.3%**	**33.6%**
Biomass & Biowaste	0.0%	0.0%	0.5%	2.3%
Geothermal	0.0%	0.0%	0.0%	4.8%
Eligible Hydroelectric	0.0%	0.0%	0.2%	1.0%
Solar	50.0%	17.9%	19.0%	14.2%
Wind	50.0%	17.9%	22.6%	11.4%
Coal	**0.0%**	**0.0%**	**0.0%**	**3.0%**
Large Hydroelectric	**0.0%**	**64.2%**	**15.9%**	**9.2%**
Natural Gas	**0.0%**	**0.0%**	**0.0%**	**37.9%**
Nuclear	**0.0%**	**0.0%**	**1.7%**	**9.3%**
Other	**0.0%**	**0.0%**	**0.1%**	**0.2%**
Unspecified Power[2]	**0.0%**	**0.0%**	**40.0%**	**6.8%**
TOTAL	**100.0%**	**100.0%**	**100.0%**	**100.0%**
Percentage of Retail Sales Covered by Retired Unbundled RECs[3]**:**	**0%**	**0%**	**0%**	

[1]The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.

[2]Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.

[3]Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above.

For specific information about this electricity portfolio, contact:	**East Bay Community Energy** **1-833-699-EBCE (3223)**
For general information about the Power Content Label, visit:	http://www.energy.ca.gov/pcl/
For additional questions, please contact the California Energy Commission at:	Toll-free in California: 844-454-2906 Outside California: 916-653-0237

SEPTEMBER 21, 2022

2021 Power Source Disclosure Annual Report and Power Content Label

EAST BAY COMMUNITY ENERGY

Overview

- What is the Power Source Disclosure Program
- How is the Power Source Disclosure Report (PSDR) prepared
- What is the Power Content Label (PCL)
- 2021 Power Content

EAST BAY COMMUNITY ENERGY

Power Source Disclosure Program

- All electricity providers in CA are required to submit annual report
- The annual report discloses all electricity purchases for a calendar year
- Reported as MWh by source as a percent of total retail sales
- Submitted to the California Energy Commission annually

EAST BAY COMMUNITY ENERGY

PSDR Preparation

Review CY Data

- RECs
- Carbon Free
- Retail sales by plan

Data Verification

- WREGIS
- Meter Data, E-Tags
- Invoices
- Contracts

Populate PSDR Templates

- Input by generation source
- Purchased MWh as % of sales
- Individual templates for each plan

Internal Review

- Content Check
- Executive and Marketing review

Submission

- Submit to the CEC

EAST BAY COMMUNITY ENERGY

Power Content Label

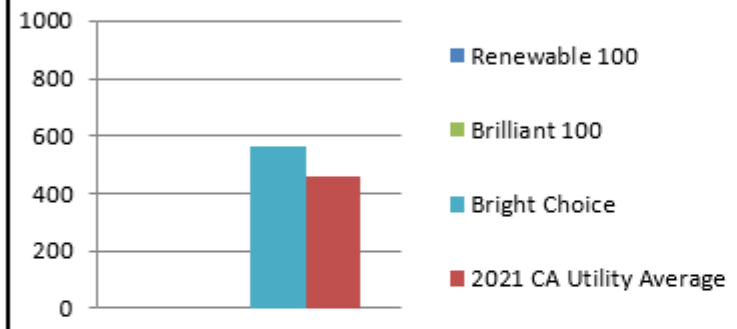
- Required annual disclosure to customers, sent by mail
- Contains the power mix for each retail plan and the total CA system power mix
- Allows customers to compare their power content to the total CA power mix and to other electricity providers
- Discloses Emissions from retail plans
- The PCL will be mailed to customers by the end of September

EAST BAY COMMUNITY ENERGY

2021 Power Content Label

2021 POWER CONTENT LABEL
East Bay Community Energy
ebce.org/documents-and-resources

Greenhouse Gas Emissions Intensity (lbs CO_2e/MWh)			
Renewable 100	Brilliant 100	Bright Choice	2021 CA Utility Average
0	0	564	456



Energy Resources	Renewable 100	Brilliant 100	Bright Choice	2021 CA Power Mix
Eligible Renewable[1]	**100.0%**	**35.8%**	**42.3%**	**33.6%**
Biomass & Biowaste	0.0%	0.0%	0.5%	2.3%
Geothermal	0.0%	0.0%	0.0%	4.8%
Eligible Hydroelectric	0.0%	0.0%	0.2%	1.0%
Solar	50.0%	17.9%	19.0%	14.2%
Wind	50.0%	17.9%	22.6%	11.4%
Coal	**0.0%**	**0.0%**	**0.0%**	**3.0%**
Large Hydroelectric	**0.0%**	**64.2%**	**15.9%**	**9.2%**
Natural Gas	**0.0%**	**0.0%**	**0.0%**	**37.9%**
Nuclear	**0.0%**	**0.0%**	**1.7%**	**9.3%**
Other	**0.0%**	**0.0%**	**0.1%**	**0.2%**
Unspecified Power[2]	**0.0%**	**0.0%**	**40.0%**	**6.8%**
TOTAL	**100.0%**	**100.0%**	**100.0%**	**100.0%**
Percentage of Retail Sales Covered by Retired Unbundled RECs[3]**:**	**0%**	**0%**	**0%**	

[1]The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.

[2]Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.

[3]Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above.

For specific information about this electricity portfolio, contact:	**East Bay Community Energy** **1-833-699-EBCE (3223)**
For general information about the Power Content Label, visit:	http://www.energy.ca.gov/pcl/
For additional questions, please contact the California Energy Commission at:	Toll-free in California: 844-454-2906 Outside California: 916-653-0237

EAST BAY COMMUNITY ENERGY

Questions?

Thank You

Izzy Carson

Power Resources Manager

EAST BAY COMMUNITY ENERGY