

TO: East Bay Community Energy Board of Directors

FROM: Izzy Carson, Power Resources Manager

SUBJECT: 2022 Power Source Disclosure Annual Report and Power Content Label

DATE: September 20, 2023

Recommendation

Adopt a Resolution to accept and attest to the veracity of the 2022 Power Source Disclosure Program Annual Report (PSDR) and the 2022 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. For 2022, the PCL must be posted online by October 2nd and mailed to customers by the end of 2023.

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 2022, 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 2022 Power Content Label data

2022 POWER CONTENT LABEL				
Energy Resources	Renewable 100	Brilliant 100	Bright Choice	2022 CA Power Mix
Eligible Renewable	100.0%	35.8%	49.4%	35.8%
Biomass & Biowaste	0.0%	0.0%	1.5%	2.1%
Geothermal	0.0%	0.0%	0.8%	4.7%
Eligible Hydroelectric	0.0%	0.0%	1.4%	1.1%
Solar	50.0%	17.9%	18.1%	17.0%
Wind	50.0%	17.9%	27.6%	10.8%
Coal	0.0%	0.0%	0.0%	2.1%
Large Hydroelectric	0.0%	64.2%	21.9%	9.2%
Natural Gas	0.0%	0.0%	0.0%	36.4%
Nuclear	0.0%	0.0%	0.2%	9.2%
Other	0.0%	0.0%	0.0%	0.1%
Unspecified Sources of Power	0.0%	0.0%	28.4%	7.1%
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 2022 PSDR and PCL, this report presents the emissions factor for Bright Choice from 2022 that also appears on the PCL.

**EBCE 2022 Bright Choice Emissions Factor:
496 lb-CO²e/MWh**

Under EBCE's current retail plan design, the Renewable 100 product is emissions free. The Brilliant 100 product, while no longer offered, is also 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 2022 Power Source Disclosure Annual Report and the 2022 Power Content Label.

Attachments

- A. Resolution of the Board of Directors of East Bay Community Energy Accepting and Attesting to the 2022 Power Source Disclosure Annual Report and the 2022 Power Content Label
- B. 2022 Power Source Disclosure Reports - Schedule 3
- C. 2022 Power Content Label
- D. Presentation of Power Source Disclosure Report and Power Content Label

RESOLUTION NO. R-2023-xx

A RESOLUTION OF THE BOARD OF DIRECTORS

OF THE EAST BAY COMMUNITY ENERGY AUTHORITY TO ACCEPT AND ATTEST TO THE VERACITY OF THE 2022 POWER SOURCE DISCLOSURE PROGRAM ANNUAL REPORT AND THE 2022 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. The city of Stockton, located in San Joaquin County was added as a member of EBCE and party to the JPA in September of 2022;

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; and

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 2022 Power Source Disclosure Annual Report and the 2022 Power Content Label.

ADOPTED AND APPROVED this 20th day of September 2023.

Elisa Márquez, Chair

ATTEST:

Adrian Bankhead, Clerk of the Board

2022 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2022
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	2,509,876	49.4%
Biomass & Biowaste	75,978	1.5%
Geothermal	41,346	0.8%
Eligible Hydroelectric	72,490	1.4%
Solar	917,803	18.1%
Wind	1,402,259	27.6%
Coal	-	0.0%
Large Hydroelectric	1,113,227	21.9%
Natural gas	-	0.0%
Nuclear	10,805	0.2%
Other	451	0.0%
Unspecified Power	1,441,784	28.4%
Total	5,076,143	100.0%

Total Retail Sales (MWh)	5,076,143
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GHG Emissions Intensity (converted to lbs CO₂e/MWh)	496
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Percentage of Retail Sales Covered by Retired Unbundled RECs	0.6%
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2022 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2022
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	12,400	35.8%
Biomass & Biowaste	-	0.0%
Geothermal	-	0.0%
Eligible Hydroelectric	-	0.0%
Solar	6,200	17.9%
Wind	6,200	17.9%
Coal	-	0.0%
Large Hydroelectric	22,238	64.2%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
Total	34,638	100.0%

Total Retail Sales (MWh)	34,638
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GHG Emissions Intensity (converted to lbs CO₂e/MWh)	-
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Percentage of Retail Sales Covered by Retired Unbundled RECs	0.0%
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2022 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2022
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	1,421,427	100.0%
Biomass & Biowaste	-	0.0%
Geothermal	-	0.0%
Eligible Hydroelectric	-	0.0%
Solar	710,713	50.0%
Wind	710,714	50.0%
Coal	-	0.0%
Large Hydroelectric	-	0.0%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
Total	1,421,427	100.0%

Total Retail Sales (MWh)	1,421,427
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GHG Emissions Intensity (converted to lbs CO₂e/MWh)	-
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Percentage of Retail Sales Covered by Retired Unbundled RECs	0.0%
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2022 POWER CONTENT LABEL								
East Bay Community Energy								
https://ebce.org/key-documents/								
Greenhouse Gas Emissions Intensity (lbs CO ₂ e/MWh)				Energy Resources	Renewable 100	Brilliant 100	Bright Choice	2022 CA Power Mix
Electricity Portfolio 1 Name	Electricity Portfolio 2 Name	Electricity Portfolio 3 Name	2022 CA Utility Average	Eligible Renewable¹	100.0%	35.8%	49.4%	35.8%
0	0	496	422	Biomass & Biowaste	0.0%	0.0%	1.5%	2.1%
<p>■ Electricity Portfolio 1 Name ■ Electricity Portfolio 2 Name ■ Electricity Portfolio 3 Name ■ 2022 CA Utility Average</p>				Geothermal	0.0%	0.0%	0.8%	4.7%
				Eligible Hydroelectric	0.0%	0.0%	1.4%	1.1%
				Solar	50.0%	17.9%	18.1%	17.0%
				Wind	50.0%	17.9%	27.6%	10.8%
				Coal	0.0%	0.0%	0.0%	2.1%
				Large Hydroelectric	0.0%	64.2%	21.9%	9.2%
				Natural Gas	0.0%	0.0%	0.0%	36.4%
				Nuclear	0.0%	0.0%	0.2%	9.2%
				Other	0.0%	0.0%	0.0%	0.1%
				Unspecified Power²	0.0%	0.0%	28.4%	7.1%
				TOTAL	100.0%	100.0%	100.0%	100.0%
Percentage of Retail Sales Covered by Retired Unbundled RECs³:					0%	0%	1%	
<p>¹The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.</p> <p>²Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.</p> <p>³Renewable 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.</p>								
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:					https://www.energy.ca.gov/programs-and-topics/programs/power-source-disclosure-program			

SEPTEMBER 21, 2023

2022 Power Source Disclosure Annual Report and Power Content Label



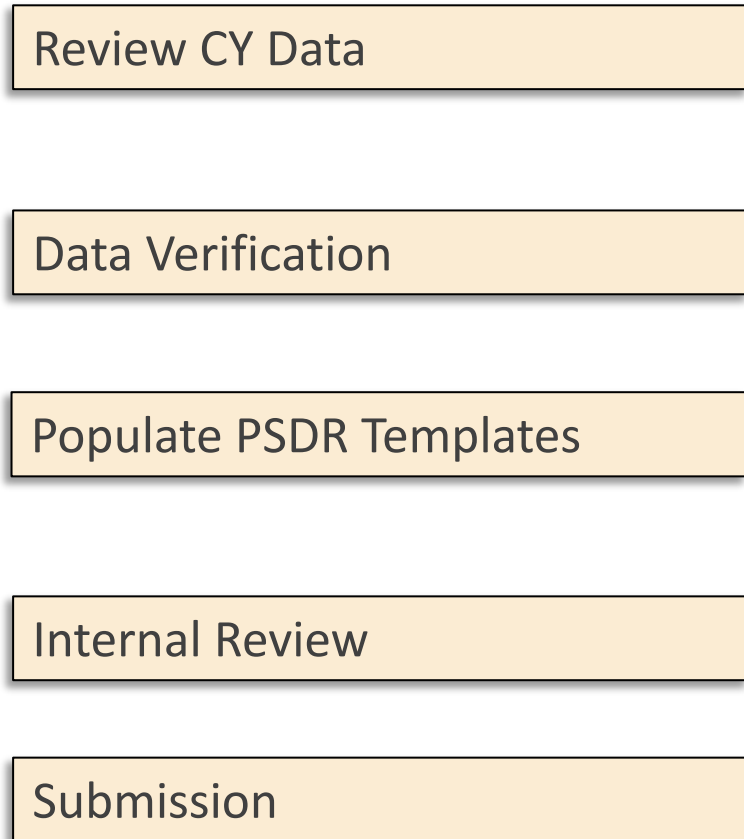
Overview

- What is the Power Source Disclosure Program
- How is the Power Source Disclosure Report (PSDR) prepared
- What is the Power Content Label (PCL)
- 2022 Power Content

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

PSDR Preparation



- RECs
- Carbon Free
- Retail sales by plan
- WREGIS
- Meter Data, E-Tags
- Invoices
- Contracts
- Input by generation source
- Purchased MWh as % of sales
- Individual templates for each plan
- Content Check
- Executive and Marketing review
- Submit to the CEC

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 posted online by 10/1 and mailed to customers by the end of 2023

2022 Power Content Label

2022 POWER CONTENT LABEL								
East Bay Community Energy								
https://ebce.org/key-documents/								
Greenhouse Gas Emissions Intensity (lbs CO ₂ e/MWh)				Energy Resources	Renewable 100	Brilliant 100	Bright Choice	2022 CA Power Mix
Electricity Portfolio 1 Name	Electricity Portfolio 2 Name	Electricity Portfolio 3 Name	2022 CA Utility Average	Eligible Renewable¹	100.0%	35.8%	49.4%	35.8%
0	0	496	422	Biomass & Biowaste	0.0%	0.0%	1.5%	2.1%
<p>1000 800 600 400 200 0</p> <p>Electricity Portfolio 1 Name Electricity Portfolio 2 Name Electricity Portfolio 3 Name 2022 CA Utility Average</p>				Geothermal	0.0%	0.0%	0.8%	4.7%
				Eligible Hydroelectric	0.0%	0.0%	1.4%	1.1%
				Solar	50.0%	17.9%	18.1%	17.0%
				Wind	50.0%	17.9%	27.6%	10.8%
				Coal	0.0%	0.0%	0.0%	2.1%
				Large Hydroelectric	0.0%	64.2%	21.9%	9.2%
				Natural Gas	0.0%	0.0%	0.0%	36.4%
				Nuclear	0.0%	0.0%	0.2%	9.2%
				Other	0.0%	0.0%	0.0%	0.1%
				Unspecified Power ²	0.0%	0.0%	28.4%	7.1%
				TOTAL	100.0%	100.0%	100.0%	100.0%
Percentage of Retail Sales Covered by Retired Unbundled RECs³:					0%	0%	1%	
<p>¹The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.</p> <p>²Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.</p> <p>³Renewable 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.</p>								
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Questions?

Thank You

Izzy Carson

Power Resources Manager