



## Staff Report Item 10

**TO:** East Bay Community Energy Board of Directors

**FROM:** Jim Dorrance, Power Resources Manager

**SUBJECT:** 2019 Power Source Disclosure Annual Report and Power Content Label  
(Action Item)

**DATE:** November 18, 2020

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### Recommendation

Adopt a Resolution to accept the 2019 Power Source Disclosure Program Annual Report (PSDR) and the 2019 Power Content Label (PCL).

### Background and Discussion

#### *Background*

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 (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, including among other things, changes to reporting for unbundled Renewable Energy Credits (RECs) and eventually requiring retail sellers to disclose the emissions factor associated with each electricity portfolio. For each year's filing, East Bay Community Energy (EBCE) is required to 1) submit an Annual Report 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 December 31st. Additionally, the Power Source Disclosure Program requires the Board of Directors (Board) to accept both the PSDR and the PCL and is therefore the subject of this report.

#### *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. EBCE discloses to their customers the power mix for each retail plan alongside the CA power

mix on the PCL. The PCL is provided to customers through a mailer and posted on the EBCE webpage.

Table 1: EBCE’s 2019 Power Content Label data

<b>2019 POWER CONTENT LABEL</b>				
<b>ENERGY RESOURCES</b>	<b>Renewable 100</b>	<b>Brilliant 100</b>	<b>Bright Choice</b>	<b>2019 CA Power Mix</b>
<b>Eligible Renewable</b>	<b>100%</b>	<b>75%</b>	<b>60%</b>	<b>32%</b>
<b>Biomass &amp; Biowaste</b>	<b>0%</b>	<b>0%</b>	<b>4%</b>	<b>2%</b>
<b>Geothermal</b>	<b>0%</b>	<b>0%</b>	<b>12%</b>	<b>5%</b>
<b>Eligible Hydroelectric</b>	<b>0%</b>	<b>0%</b>	<b>5%</b>	<b>2%</b>
<b>Solar</b>	<b>50%</b>	<b>38%</b>	<b>3%</b>	<b>12%</b>
<b>Wind</b>	<b>50%</b>	<b>37%</b>	<b>36%</b>	<b>10%</b>
<b>Coal</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>3%</b>
<b>Large Hydroelectric</b>	<b>0%</b>	<b>25%</b>	<b>25%</b>	<b>15%</b>
<b>Natural Gas</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>34%</b>
<b>Nuclear</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>9%</b>
<b>Other</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Unspecified sources of power</b>	<b>0%</b>	<b>0%</b>	<b>13%</b>	<b>7%</b>
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

*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 the 2019 Power Source Disclosure Annual Report and the 2019 Power Content Label.

**Attachments**

- A. Resolution Accepting the 2019 Power Source Disclosure Annual Report and the 2019 Power Content Label
- B. 2019 Power Source Disclosure Reports - Schedule 3
- C. 2019 Power Content Label
- D. Presentation of Power Source Disclosure Report and Power Content Label

**RESOLUTION NO. \_\_**  
**A RESOLUTION OF THE BOARD OF DIRECTORS**  
**OF THE EAST BAY COMMUNITY ENERGY AUTHORITY \_\_**

**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, allowing a retail seller’s Board of Directors acceptance of 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 the 2019 Power Source Disclosure Annual Report and the 2019 Power Content Label.

ADOPTED AND APPROVED this 18th day of November, 2020.

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Dan Kalb, Chair

ATTEST:

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Stephanie Cabrera, Clerk of the Board



**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source  
SCHEDULE 3: ANNUAL POWER CONTENT LABEL DATA  
for the year ending December 31, 2019  
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.

	<b>Adjusted Net Procured (MWh)</b>	<b>Percent of Total Retail Sales</b>
<b>Renewable Procurements</b>	39,748	100.0%
Biomass & Biowaste	-	0.0%
Geothermal	-	0.0%
Eligible Hydroelectric	-	0.0%
Solar	19,874	50.0%
Wind	19,874	50.0%
Coal	-	0.0%
Large Hydroelectric	-	0.0%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
<b>Total</b>	<b>39,748</b>	<b>100.0%</b>

<b>Total Retail Sales (MWh)</b>	<b>39,748</b>
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<b>Percentage of Retail Sales Covered by Retired Unbundled RECs</b>	<b>0.0%</b>
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**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source  
SCHEDULE 3: ANNUAL POWER CONTENT LABEL DATA  
for the year ending December 31, 2019  
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.

	<b>Adjusted Net Procured (MWh)</b>	<b>Percent of Total Retail Sales</b>
<b>Renewable Procurements</b>	669,473	75.0%
Biomass & Biowaste	-	0.0%
Geothermal	-	0.0%
Eligible Hydroelectric	-	0.0%
Solar	334,738	37.5%
Wind	334,736	37.5%
Coal	-	0.0%
Large Hydroelectric	223,159	25.0%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
<b>Total</b>	<b>892,632</b>	<b>100.0%</b>

<b>Total Retail Sales (MWh)</b>	<b>892,632</b>
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<b>Percentage of Retail Sales Covered by Retired Unbundled RECs</b>	<b>0.0%</b>
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**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source  
 SCHEDULE 3: ANNUAL POWER CONTENT LABEL DATA  
 for the year ending December 31, 2019  
 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.

	<b>Adjusted Net Procured (MWh)</b>	<b>Percent of Total Retail Sales</b>
<b>Renewable Procurements</b>	2,929,619	59.9%
Biomass & Biowaste	177,941	3.6%
Geothermal	598,968	12.3%
Eligible Hydroelectric	238,772	4.9%
Solar	169,129	3.5%
Wind	1,744,808	35.7%
Coal	-	0.0%
Large Hydroelectric	1,235,820	25.3%
Natural gas	3,250	0.1%
Nuclear	73,251	1.5%
Other	8,000	0.2%
Unspecified Power	639,108	13.1%
<b>Total</b>	<b>4,889,048</b>	<b>100.0%</b>
<b>Total Retail Sales (MWh)</b>		<b>4,889,048</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs</b>		<b>0.0%</b>

<b>2019 POWER CONTENT LABEL</b>				
<b>East Bay Community Energy</b>				
<b>ebce.org/documents-and-resources</b>				
<b>ENERGY RESOURCES</b>	<b>Renewable 100</b>	<b>Brilliant 100</b>	<b>Bright Choice</b>	<b>2019 CA Power Mix</b>
<b>Eligible Renewable<sup>1</sup></b>	<b>100.0%</b>	<b>75.0%</b>	<b>59.9%</b>	<b>31.7%</b>
Biomass & Biowaste	0.0%	0.0%	3.6%	2.4%
Geothermal	0.0%	0.0%	12.3%	4.8%
Eligible Hydroelectric	0.0%	0.0%	4.9%	2.0%
Solar	50.0%	37.5%	3.5%	12.3%
Wind	50.0%	37.5%	35.7%	10.2%
<b>Coal</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>3.0%</b>
<b>Large Hydroelectric</b>	<b>0.0%</b>	<b>25.0%</b>	<b>25.3%</b>	<b>14.6%</b>
<b>Natural Gas</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>34.2%</b>
<b>Nuclear</b>	<b>0.0%</b>	<b>0.0%</b>	<b>1.5%</b>	<b>9.0%</b>
<b>Other</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.2%</b>
<b>Unspecified sources of power<sup>2</sup></b>	<b>0.0%</b>	<b>0.0%</b>	<b>13.1%</b>	<b>7.3%</b>
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs<sup>3</sup></b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	
<p><sup>1</sup>The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.</p> <p><sup>2</sup>Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.</p> <p><sup>3</sup>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.</p>				
For specific information about this electricity product, contact:		<b>(Retail Supplier Name)</b> <b>(Retail Supplier Phone Number)</b>		
For general information about the Power Content Label, please visit:		<a href="http://www.energy.ca.gov/pcl/">http://www.energy.ca.gov/pcl/</a>		
For additional questions, please contact the California Energy Commission at:		Toll-free in California: 844-454-2906 Outside California: 916-653-0237		



# 2019 Power Source Disclosure Annual Report and Power Content Label

PRESENTED BY: Jim Dorrance

DATE: November 18, 2020





# Overview

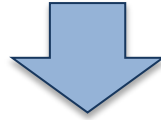
- What is the Power Source Disclosure Program
- How is the Power Source Disclosure Report (PSDR) prepared
- What is the Power Content Label (PCL)
- 2019 Power Content

# Power Source Disclosure Program

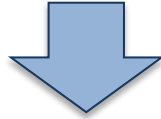
- All electricity providers in CA are required to submit annual report
- The annual report discloses all electricity purchases for a calendar year
- Reported as MWh by source as a percent of total retail sales
- Submitted to the California Energy Commission annually

# PSDR Preparation

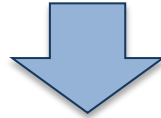
Review CY Data



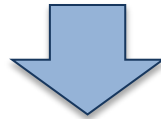
Data Verification



Populate PSDR  
Templates



Internal Review



Submission

- 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

# EBCCE's 2019 Power Content Label

East Bay Community Energy · 2019 Power Content Label · <a href="http://ebce.org/documents-and-resources">ebce.org/documents-and-resources</a>				
Energy Resources	Renewable 100	Brilliant 100	Bright Choice	2019 CA Power Mix
<b>Eligible Renewable<sup>1</sup></b>	<b>100.0%</b>	<b>75.0%</b>	<b>59.9%</b>	<b>31.7%</b>
Biomass & Biowaste	0.0%	0.0%	3.6%	2.4%
Geothermal	0.0%	0.0%	12.3%	4.8%
Eligible Hydroelectric	0.0%	0.0%	4.9%	2.0%
Solar	50.0%	37.5%	3.5%	12.3%
Wind	50.0%	37.5%	35.7%	10.2%
<b>Coal</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>3.0%</b>
<b>Large Hydroelectric</b>	<b>0.0%</b>	<b>25.0%</b>	<b>25.3%</b>	<b>14.6%</b>
<b>Natural Gas</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>34.2%</b>
<b>Nuclear</b>	<b>0.0%</b>	<b>0.0%</b>	<b>1.5%</b>	<b>9.0%</b>
<b>Other</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.2%</b>
<b>Unspecified sources of power<sup>2</sup></b>	<b>0.0%</b>	<b>0.0%</b>	<b>13.1%</b>	<b>7.3%</b>
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs<sup>3</sup></b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<sup>1</sup> The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. <sup>2</sup> Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. <sup>3</sup> 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 product, contact:		East Bay Community Energy 1-833-699-EBCE (3223)		
For general information about the Power Content Label, please visit:		<a href="http://www.energy.ca.gov/pcl/">http://www.energy.ca.gov/pcl/</a>		
For additional questions, please contact the California Energy Commission at:		Toll-free in California: 844-454-2906 Outside California: 916-653-0237		

# Questions ?