



# Washington Electricity Markets Workshop

Jordan Scavo  
California Energy Commission  
Renewable Energy Division

July 15, 2020



# Overview of Power Source Disclosure

- Annual reporting of generation sources and retail sales
- Disclosure of an electricity portfolio's power mix to consumers on a Power Content Label



## AB 1110 Requirements

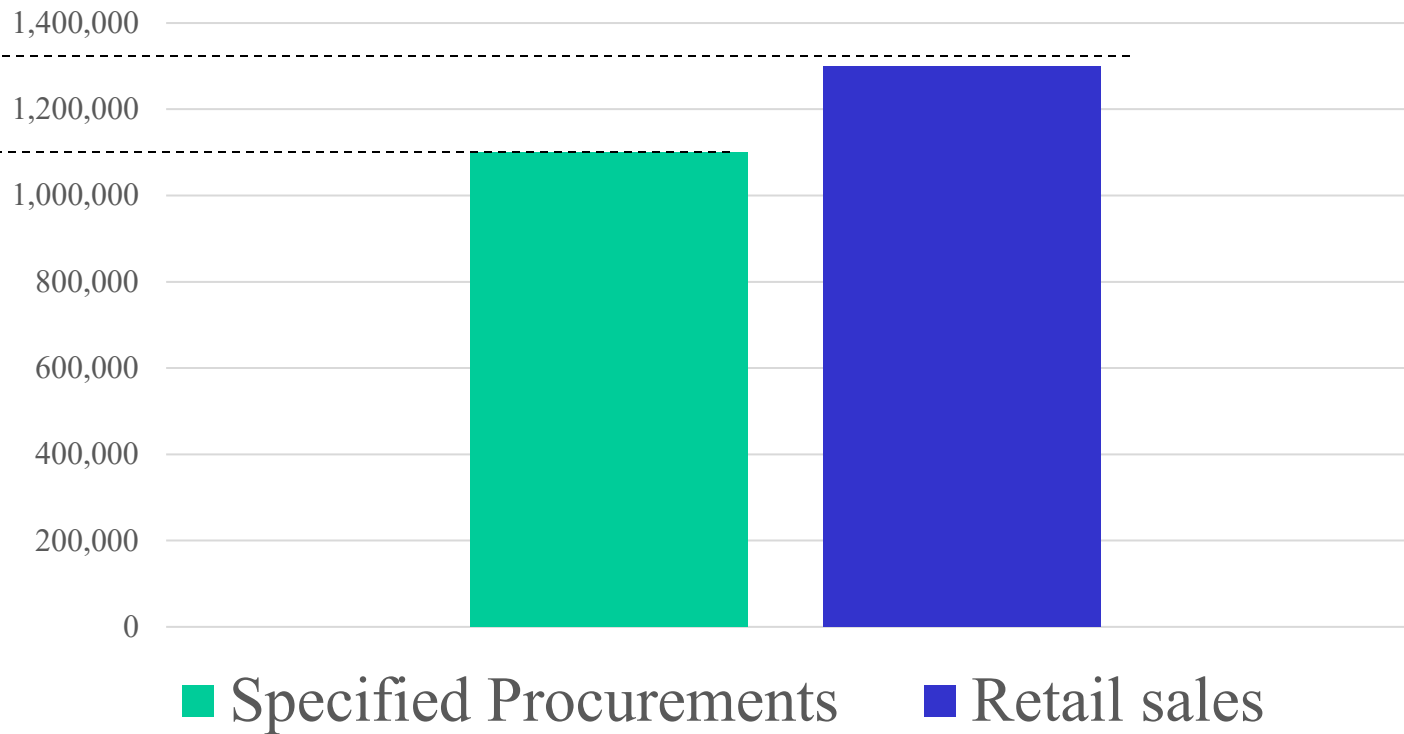
- Disclosure of the greenhouse gas (GHG) emissions intensities associated with each electric service product
- Disclosure of a retail supplier's unbundled renewable energy credits (RECs)
- Consistent marketing claims regarding GHG emissions



| <b>Procurement Type</b>                              | <b>Power Mix Accounting</b>    | <b>GHG Emissions Accounting</b>          |
|--|--------------------------------|--|
| Directly Delivered<br>(renewables must include RECs) | Resource type of generator     | Emissions intensity of generator         |
| Firmed & Shaped                                      | Resource type of REC           | Emissions intensity of substitute power  |
| Null Power   | Unspecified power              | Emissions intensity of unspecified power |
| Unbundled REC  | Does not factor into power mix | Does not factor into GHG emissions       |



## Section 1393(a)(4): Specified Procurement vs Retail Sales



Unspecified Power





## Section 1393(a)(6): Reconciling Total Procurement with Retail Sales

Reduction Order:

1. Natural Gas
2. Coal and Other Fuels
3. Nuclear, Large Hydro, and Renewables



# CALIFORNIA ENERGY COMMISSION

(ENTITY NAME & ELECTRICITY PORTFOLIO NAME)

## 2019 POWER CONTENT LABEL

| Greenhouse Gas Emissions Intensity<br>(in lbs CO <sub>2</sub> e/MWh) <sup>1</sup>           |            | Energy Resources                       | Fuel Mix      | CA Total Mix  |
|---|------------|--|---------------|---------------|
| (Product Name)  | CA Average | <b>Eligible Renewables<sup>1</sup></b> | <b>36.0%</b>  | <b>22.0%</b>  |
| <b>701</b>  | <b>672</b> | Biomass & biowaste                     | 6.1%          | 3.0%          |
|   |            | Geothermal                             | 4.9%          | 4.0%          |
|   |            | Eligible small hydroelectric           | 0.0%          | 1.0%          |
|   |            | Solar                                  | 0.0%          | 6.0%          |
|   |            | Wind                                   | 25.0%         | 8.0%          |
|   |            | <b>Coal</b>                            | <b>0.0%</b>   | <b>6.0%</b>   |
|   |            | <b>Large Hydroelectric</b>             | <b>6.0%</b>   | <b>5.0%</b>   |
|   |            | <b>Natural Gas</b>                     | <b>40.3%</b>  | <b>44.0%</b>  |
|   |            | <b>Nuclear</b>                         | <b>0.0%</b>   | <b>9.0%</b>   |
|   |            | <b>Other</b>                           | <b>0.0%</b>   | <b>0.0%</b>   |
|   |            | <b>Unspecified Power<sup>2</sup></b>   | <b>17.7%</b>  | <b>14.0%</b>  |
|   |            | <b>TOTAL</b>                           | <b>100.0%</b> | <b>100.0%</b> |
| <i>Unbundled RECs retired as a percentage of this electricity portfolio's retail sales:</i> |            |  | 12%           |               |

<sup>1</sup> Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable investments that do not deliver electricity to the retail supplier's customers. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. 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 was purchased through open market transactions and is not traceable to a specific generation source.

|   |                                     |  |
|---|-------------------------------------|--|
| For specific information about this electricity portfolio, contact: | (Entity Name)                       | (Entity Phone Number)  |
|   |                                     | (Entity Website)   |
| For more information about the power content label, consult:        | <b>California Energy Commission</b> | 1-844-217-4925   |
|   |                                     | <a href="http://www.energy.ca.gov/pcl/">www.energy.ca.gov/pcl/</a> |



## Rulemaking Document Availability

- Copies of rulemaking documents available on Energy Commission website at:  
<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=16-OIR-05>





## Contacts

Jordan Scavo

*Technical Lead*

*AB 1110 Implementation*

Jordan.Scavo@energy.ca.gov

(916) 704-3649

Natalie Lee

*Deputy Director*

*Renewable Energy Division*

Natalie.Lee@energy.ca.gov

(916) 654-4659

*General Power Source Disclosure Questions*

PSDprogram@energy.ca.gov (916) 654-3940