

**DOCKETED**

<b>Docket Number:</b>	16-OIR-05
<b>Project Title:</b>	Power Source Disclosure - AB 1110 Implementation Rulemaking
<b>TN #:</b>	227275
<b>Document Title:</b>	Presentation - Updates to the Power Source Disclosure Program Public Workshop
<b>Description:</b>	This is a presentation given by Energy Commission staff at the March 6, 2019 workshop - Workshop Slide Deck on Draft Regulations
<b>Filer:</b>	Jordan Scavo
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	3/5/2019 1:26:59 PM
<b>Docketed Date:</b>	3/5/2019



# Updates to the Power Source Disclosure Program Public Workshop

Renewable Energy Division

Rosenfeld Hearing Room

March 6, 2019



## Housekeeping

- Handouts available on desk at room entrance and on Assembly Bill (AB) 1110 online docket
- Written comments due Wednesday, March 20, 2019 by 5:00 PM. Comments may be submitted directly to the docket through our e-filing system at:

<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=16-OIR-05>



## Agenda

- Background
- Draft Regulations
  - Focus on Changes & Additions From Last Proposal
- Additional Areas for Input
- Next Steps
- Public Comments



## 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



# Publication of Draft Regulations

*Pre-Rulemaking Draft*

## **Pre-Rulemaking Amendments to the Power Source Disclosure Program**

**California Code of Regulations  
Title 20. Public Utilities and Energy  
Division 2. State Energy Resources Conservation and Development Commission  
Chapter 3. Data Collection  
Article 5. Electricity Generation Source Disclosure**

(Sections 1390 through 1394)

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February 2019

§ 1390. Scope.



## Draft Regulations

- Consistency with Staff Implementation Proposals
  - Treatment of Unbundled RECs
  - Treatment of Firmed-and-Shaped Imports





## Firmed-and-Shaped Imports

	<b>Fuel Mix</b>	<b>GHG Emissions Intensity</b>
Classification under Draft Regulations	Fuel type of the REC	Emissions of the substitute power



## Draft Regulations

- Additions and Changes
  - Removed the proposed sunset date for the grandfathering provision of firmed-and-shaped imports
  - Clarified definition of “electricity portfolio” and new definition of “custom electricity portfolio”
  - Removed reporting requirements for biogenic CO<sub>2</sub>
  - Simplified power content label



# CALIFORNIA ENERGY COMMISSION

## (ENTITY NAME & ELECTRICITY PORTFOLIO NAME)

### 2019 POWER CONTENT LABEL

Greenhouse Gas Emissions Intensity (in kg 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>318</b>	<b>305</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 electric service product's retail sales:</i>			<b>12%</b>	

<sup>1</sup> 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

<sup>2</sup> Unspecified power is electricity that was purchased through open market transactions and is not traceable to a specific generation source or sources.

For specific information about this electricity portfolio, contact:	<b>(Entity Name)</b>	(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>



# CALIFORNIA ENERGY COMMISSION

Greenhouse Gas Emissions Intensity (in kg CO <sub>2</sub> e/MWh) <sup>1</sup>			Energy Resources	Product 1 Power Mix	Product 2 Power Mix	CA Total Mix
(Product 1)	(Product 2)	State Average				
<b>334</b>	<b>87</b>	<b>305</b>	<b>Eligible Renewables<sup>2</sup></b>	<b>31%</b>	<b>75%</b>	<b>22%</b>
<p>500 400 300 200 100 0</p> <p>■ (Product 1) ■ (Product 2) ■ State Average</p>			Biomass & biowaste	8%	0%	3%
			Geothermal	4%	0%	4%
			Eligible hydroelectric	1%	0%	1%
			Solar	16%	75%	6%
			Wind	2%	0%	8%
			<b>Coal</b>	<b>3%</b>	<b>0%</b>	<b>6%</b>
			<b>Large Hydroelectric</b>	<b>8%</b>	<b>4%</b>	<b>5%</b>
			<b>Natural Gas</b>	<b>46%</b>	<b>10%</b>	<b>44%</b>
			<b>Nuclear</b>	<b>0%</b>	<b>0%</b>	<b>9%</b>
			<b>Other</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Unspecified Electricity<sup>3</sup></b>	<b>12%</b>	<b>11%</b>	<b>14%</b>			
<b>TOTAL<sup>4</sup></b>	<b>100%</b>	<b>100%</b>	<b>100%</b>			

<sup>1</sup> Greenhouse gas emissions intensity represents the carbon dioxide (CO<sub>2</sub>) equivalent of greenhouse gases resulting from each megawatt hours of electricity generated for this product. Not reflected in this intensity are CO<sub>2</sub> emissions from biogenic fuels are not reflected in the GHG emission intensity above. Biogenic CO<sub>2</sub> accounts for an additional **67 kg CO<sub>2</sub>e/MWh** in Product 1, an additional **58 kg CO<sub>2</sub>e/MWh** in Product 2, and **53 kg CO<sub>2</sub>e/MWh** for California's statewide average. For more detail, visit [www.energy.ca.gov/pcl/](http://www.energy.ca.gov/pcl/)

<sup>2</sup> Eligible renewables are resources that are eligible under California's Renewables Portfolio Standard. For more, visit [www.energy.ca.gov/portfolio/documents/rps\\_certification.html](http://www.energy.ca.gov/portfolio/documents/rps_certification.html)

<sup>3</sup> Unspecified electricity is electricity that was purchased through open market transactions and is not traceable to a specific generation source or sources. For more information, visit [www.energy.ca.gov/pcl/](http://www.energy.ca.gov/pcl/)

<sup>4</sup> Unbundled renewable energy credits (RECs), which are products that represent the environmental attributes of renewable energy without the underlying electricity, are not reflected in the power mix or GHG emissions intensities above. This retail supplier has retired unbundled RECs that approximates **10%** of Product 1's retail sales, and **40%** of Product 2's retail sales, whereas **11%** for California's total retail sales are associated with retired unbundled RECs. For more information, visit [www.energy.ca.gov/pcl/](http://www.energy.ca.gov/pcl/)

For specific information about this electricity product, contact:	<b>(Entity Name)</b>	(Entity Phone Number) (Entity Website)
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## Additional Areas for Input

- Are there improvements we can make to the auditing requirements for public entities?
- How best should a power content label disclose to customers that they are served by multiple electric service portfolios?
- What disclosure requirements should the regulation include for the treatment of Cost Allocation Mechanism (CAM) resources?



## Next Steps

Public Comments Due	March 20, 2019
Start of Formal Rulemaking	May 2019
Adoption Date of Regulation	December 2019
Start of Implementation Support	January 2020
Effective Date of Regulation	Spring 2020
GHG Reporting Under AB 1110	June 1, 2020



## 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>



## Public Comments

- Comments in the room (limited to 3 minutes)
  - Turn in blue card to Speak
- Comments via WebEx: Use “raise hand” feature; we will un-mute you during your turn.
- Comments via phone: We will un-mute all lines at end of comment period; please un-mute your phone only to ask a question





## Public Comments

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