<table>
<thead>
<tr>
<th><strong>Docket Number:</strong></th>
<th>16-OIR-05</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Project Title:</strong></td>
<td>AB 1110 Implementation Rulemaking</td>
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<tr>
<td><strong>TN #:</strong></td>
<td>216147</td>
</tr>
<tr>
<td><strong>Document Title:</strong></td>
<td>AB 1110 Scoping Workshop Presentation</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>Power Point Slides for Workshop on February 21, 2017</td>
</tr>
<tr>
<td><strong>Filer:</strong></td>
<td>Jordan Scavo</td>
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<tr>
<td><strong>Organization:</strong></td>
<td>California Energy Commission</td>
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<tr>
<td><strong>Submitter Role:</strong></td>
<td>Commission Staff</td>
</tr>
<tr>
<td><strong>Submission Date:</strong></td>
<td>2/21/2017 1:20:52 PM</td>
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<td><strong>Docketed Date:</strong></td>
<td>2/21/2017</td>
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AB 1110 Implementation
Pre-Rulemaking Workshop

Jordan Scavo
Renewable Energy Division

Rosenfeld Hearing Room
February 21, 2017
Agenda

- Rulemaking Process
- PSD Background
- AB 1110 Requirements
- AB 1110 Scoping Questions
- Next Steps
AB 1110 Implementation Process

• Pre-rulemaking activities
• Formal Office of Administrative Law (OAL) rulemaking process
  – Commences when OAL publishes NOPA
  – Initial Rulemaking documents
    • Notice of Proposed Action (NOPA)
    • Proposed amendments to regulations (Express Terms)
    • Initial Statement of Reasons (ISOR)
AB 1110 Implementation Process

• Adoption Hearing at Energy Commission Business Meeting for Proposed Regulations estimated for December 2017

• Once complete, final rulemaking package will be submitted to OAL for approval
Rulemaking Document Availability

- Copies of rulemaking documents available on CEC website at: https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=16-OIR-05
- Copies of rulemaking documents can also be obtained by contacting Energy Commission staff
Background: Power Source Disclosure Program

- Annual reporting of gross generation sources and retail sales
- Disclosure of an electric service product’s power mix to consumers on a Power Content Label
### POWER CONTENT LABEL

<table>
<thead>
<tr>
<th>ENERGY RESOURCES</th>
<th>2014 POWER MIX</th>
<th>2014 CA POWER MIX**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligible Renewable</td>
<td>32%</td>
<td>20%</td>
</tr>
<tr>
<td>Biomass &amp; waste</td>
<td>7%</td>
<td>3%</td>
</tr>
<tr>
<td>Geothermal</td>
<td>2%</td>
<td>4%</td>
</tr>
<tr>
<td>Small hydroelectric</td>
<td>4%</td>
<td>1%</td>
</tr>
<tr>
<td>Solar</td>
<td>12%</td>
<td>4%</td>
</tr>
<tr>
<td>Wind</td>
<td>7%</td>
<td>8%</td>
</tr>
<tr>
<td>Coal</td>
<td>10%</td>
<td>6%</td>
</tr>
<tr>
<td>Large Hydroelectric</td>
<td>8%</td>
<td>6%</td>
</tr>
<tr>
<td>Natural Gas</td>
<td>38%</td>
<td>45%</td>
</tr>
<tr>
<td>Nuclear</td>
<td>0%</td>
<td>9%</td>
</tr>
<tr>
<td>Other</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Unspecified sources of power*</td>
<td>12%</td>
<td>14%</td>
</tr>
<tr>
<td>**TOTAL</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.

** Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the previous year.

For specific information about this electricity product, contact:

Sample

555-555-5555

California Energy Commission

For general information about the Power Content Label, consult:

[http://www.energy.ca.gov/pcl/](http://www.energy.ca.gov/pcl/)
Background: AB 1110 (Ting)

- Passed in 2016
- Inform consumers of the greenhouse gas (GHG) emissions intensity of their electricity
- Improve transparency of the Power Content Label
The Energy Commission’s Responsibilities

• Adopt a methodology, in consultation with ARB, for calculating GHG emissions intensities for electricity sources
• Calculate California’s overall GHG emissions intensity
• Determine format for disclosure of unbundled RECs as percentage of annual retail sales
The Energy Commission’s Responsibilities *Continued*

- Adopt guidelines, on or before January 1, 2018, for reporting and disclosure of GHG emissions intensities
- Establish guidelines for adjustments to a GHG emissions intensity factor for any qualifying local publicly owned utility (POU)
Guiding Principles

• Provide reliable, accurate, timely, and consistent information

• Ensure there is not double-counting of GHGs or environmental attributes

• Rely on the most recent verified GHG emissions data while allowing timely reporting

• Align to the extent practicable with the Mandatory Reporting Requirement and the Cap and Trade Program

• Minimize the reporting burden
Related Programs

- Renewable Portfolio Standard (RPS)
- Cap-and-Trade Program
- Mandatory Reporting Regulation (MRR)
- Integrated Resource Plans (IRPs)
Scoping Questions

- Programmatic definitions
- Renewable Energy Credits (RECs)
- GHG emissions data and factor calculations
- Publicly-owned utility GHG emissions adjustment
Scoping Questions: Programmatic Definitions

• Annual sales
• Electricity portfolio
• Electricity offering
Scoping Questions: RECs

- Retirement of RECs
- Treatment of firmed-and-shaped (Bucket 2) products
- Treatment of unbundled (Bucket 3) RECs
- Treatment of null power
Scoping Questions: GHG Emissions Data and Intensity Factor Calculations

- Included gases
- MRR data availability
- Exempted resources
- Unspecified power
- Electricity Imbalance Market (EIM) resources
Scoping Questions:
Publicly-Owned Utility
GHG Intensity Factor Adjustment

• Potential eligibility
Next Steps

• Written comments due by 5p.m. March 8th
• Energy Commission staff aiming to release draft regulatory language by early Q2 2017
• Aiming for December 2017 Adoption Hearing at Energy Commission Business Meeting
Written Comments

Comments due by:

5pm March 8, 2017

Written comments should be submitted through the CEC’s e-filing system:

- [http://www.energy.ca.gov/e-filing/](http://www.energy.ca.gov/e-filing/)
- Instructions for submitting written comments are on page 3 of the Workshop Notice
- Docket 16-OIR-05
Comment Instructions

- 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
- Written comments: Submit according to directions in workshop notice
Contacts

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