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<th><strong>Docket Number:</strong></th>
<th>16-TRAN-01</th>
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<tbody>
<tr>
<td><strong>Project Title:</strong></td>
<td>SB 350 Transportation Electrification (Publicly Owned Utilities)</td>
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<td><strong>TN #:</strong></td>
<td>213897</td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>Presentation - Transportation Electrification in Publicly Owned Utility Integrated Resource Planning by Tim Olson</td>
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<tr>
<td><strong>Description:</strong></td>
<td>October 5, 2016 Workshop</td>
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<td><strong>Filer:</strong></td>
<td>Patty Paul</td>
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<td>California Energy Commission</td>
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<td>Commission Staff</td>
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California Energy Commission
Transportation Electrification in Publicly Owned Utility
Integrated Resource Planning

Transportation Lead Commissioner Workshop
Sacramento, California

October 5, 2016

Tim Olson
Fuels and Transportation Division
tolson@energy.ca.gov / 916-654-4528
SB 350 Integrated Resource Plans

A framework to evaluate how utilities have chosen to align with SB 350

- GHG reduction targets
  - Economy-wide reductions of 40 percent from 1990 levels by 2030
  - Reductions in electricity sector GHG emissions

- RPS of 50 percent by 2030

- Targets
  - Energy efficiency
  - Gas use efficiency
  - Transportation electrification
16 POUs must adopt IRPs and an updating process by January 1, 2019

POUs with an annual electrical demand exceeding 700 GWh, as determined on a three-year average commencing January 1, 2013

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<th>LADWP</th>
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<td>SMUD</td>
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Transportation Electrification

What’s Included?

• Battery Electric and Plug In Electric Passenger Vehicles
• All Electric and Plug In Hybrid Electric Classes 3-8 Trucks and Buses
• Sustainable Freight Transportation Options
• Electric Rail
• Other
Questions Posed to POUs

- How would you characterize efforts to include transportation electrification elements in integrated resource planning? Will you establish electric transportation targets or goals?
- What are current capabilities to address IRP transportation electrification procurement? What do you see as challenges?
- What are your electric transportation baseline and growth projections? What are your GHG emission reduction estimates by 2020, 2030 and 2050? What analytical methods do you use to make these calculations? What data do you expect to collect and can you share data?
Questions Posed to POUs II
What Have You Achieved
In Electric Transportation

- Utility Vehicle Fleet and Employee Workplace Charging
- Procurement Funding and Funding Mechanisms For Electric Vehicle Charging Deployment – Number and Types of Installations, Geographic Distribution
- Use of Credits
- Market Subsector EVSE Deployment (Residence, MUDs, Workplace, Public Destinations, Corridor Fast Charging
- Charging Equipment Reliability
- Electric Distribution System Upgrades
- Tariffs
- Education and Outreach
- Other Activities
Questions Posed to POUs III

- What is relationship with private EVSE companies? How do you envision business models and relationships to evolve?
- Have you taken advantage of state government incentives? In what market sectors are incentives still needed? Do you see a need for state government incentives to complement POU transportation electrification activities? Do you have recommendations to improve implementation of government incentives?
- Do you anticipate transportation electrification growth to impact strategies for RPS, efficiency and other SB 350 objectives?
- Where do you need assistance to achieve electric transportation objectives of SB 350?
Public Comment

- Accepting oral comments during this workshop.
- Please submit written comments to the Energy Commission using the e-commenting feature.
- Submit email comments to: docket@energy.ca.gov and reference Docket No. 16 TRAN - 01 in subject line.
- Comments due November 1, 2016.