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Incorporating Transportation Electrification In Publicly Owned Utility Resource Planning

The California Energy Commission is hosting a workshop on Wednesday, October 5, 2016 to discuss how California's publicly owned utilities (POUs) are considering including transportation electrification into their Integrated Resources Plans. The workshop will be held in Sacramento at the Energy Commission in the Art Rosenfeld Hearing Room and will begin at 9:00am. The Energy Commission has invited representatives from SMUD, the City of Palo Alto, Burbank Water and Power and LADWP to present information on approaches and activities to address transportation electrification. The Energy Commission has also invited independent experts to make presentations as well and invite comments from other publicly owned utilities and other interested parties.

To comply with Senate Bill 350 (de León, Chapter 547, Statutes of 2015) sixteen publicly owned electric utilities must adopt IRPs no later than January 1, 2019, and adopt updates at least every five years thereafter. The Energy Commission will review IRPs submitted by POUs for consistency with SB 350 and, if needed, provide comments, suggestions, and requests for more information. The Energy Commission expects to adopt guidelines to govern submission of information and data and reports needed to support its review of IRPs. The October 5th workshop will focus on transportation electrification.

Transportation electrification could include several applications, such as trucks used in freight movement, refuse collection and port drayage, a multitude of off-road applications, electric and plug in electric passenger vehicles and light trucks, transit buses, and electric rail. The Energy Commission is seeking initial information about utility planning, capabilities and challenges as well as recommendations regarding state government actions to implement the SB 350 transportation electrification objectives.

The Energy Commission also co-funds deployment of electric vehicle charging infrastructure through annual funding awards under the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). The Energy Commission is interested in utility electric vehicle charging achievements to date and seeks feedback on configuring deployment of future funding in the context of other investments, including POU electric transportation actions.

The following topics and questions have been posed to publicly owned electric utilities and independent experts to seek comments - other topics are welcomed at the workshop or in follow up meetings:

1. How would you characterize your approach and current and proposed activities to include transportation electrification elements in integrated resource plans? Do you expect to establish electric transportation targets or goals?
2. What are your current capabilities to address in IRPs transportation electrification procurement? What do you see as challenges?
3. What are your estimates of the existing baseline and projected growth of electric transportation and estimates of greenhouse gas emission reductions by 2020, 2030 and 2050? What analytical method do you use to make these calculations? What data do you expect to gather to evaluate progress, how do you plan to gather it, and can you share the data with the Energy Commission?
4. What have you achieved in electric transportation to date and what do you anticipate for future deployment regarding:
 - Utility fleet vehicles and workplace charging for your employees;
 - Procurement funding and funding mechanisms for service area electric vehicle charging deployment in market subsectors (residence, workplace, multi-unit dwellings, public destinations and corridors) and the number and types of installations, amounts of funding and project locations;
 - Reliability of charging stations in your service area;
 - Anticipated need for electric distribution system upgrades and cost;
 - Tariffs;
 - General public and business education and outreach, and plans to engage disadvantaged communities; and
 - Other activities.
5. How would you characterize your interaction with private companies providing electric vehicle charging equipment, installation, operation and services? How do you expect relationships and business models to evolve and change?
6. To what extent have you taken advantage of state government incentives (ARFVTP grants, Clean Vehicle Rebates, and Low Carbon

Fuel Standard credits)? In what market subsectors do you see a need to for continuation of these incentives to complement POU electric transportation activities? Do you have any recommendations to improve implementation of government incentives?

7. To what extent do you anticipate transportation electrification growth to impact strategies for SB 350 requirements, such as achieving the 50 percent renewable portfolio standard and doubling of additional achievable energy efficiency savings by 2030?
8. Where do you need assistance to achieve the SB 350 requirements related to transportation electrification?

Please contact Tim Olson at Tim.Olson@energy.ca.gov or 916-654-4528 to discuss the workshop or seek additional information. You can attend the workshop in person or remotely through webex as described in the workshop public notice found on the Energy Commission website, www.energy.ca.gov.

A public docket (No. 16-TRAN-01) has been established to post documents, presentation materials, reports, workshop transcript; and to accept written comments, including an e-filing option.