



GE Energy  
Digital Energy

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Via E-Mail

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Mr. James D. Boyd, Vice-Chair and Presiding Member  
Ms. Carla Peterman, Commissioner and Associate Member  
California Energy Commission  
Transportation Committee  
Dockets Office, MS-4  
1516 Ninth Street  
Sacramento, CA 95814-5512

<b>DOCKET</b>
<b>10-ALT-01</b>
DATE <u>June 06 2011</u>
RECD. <u>June 07 2011</u>

Subject: 10-ALT-1 Advisory Committee Meeting

*2011-2012 Investment Plan for the Alternative and Renewable Fuel  
and Vehicle Technology Program Committee Draft Report,*  
California Energy Commission, Fuels and Transportation Division  
Publication Number: CEC-600-2011-006-CTD

Dear Commissioners Boyd and Peterman:

Electric vehicles and the smart grid are poised to play a critical role in enabling the United States and other countries to make the transition to a low carbon future. That vision, however, will only become reality through an unprecedented transformation of the Nation's electric and transportation sectors. GE Energy commends the State of California for being a national leader in the promotion of such a transformation. The CEC's investment plan for alternative and renewable fuel and vehicle technology, along with the CPUC's evaluation of policies to develop electric vehicle charging infrastructure and their review of long term smart grid deployment plans, will ensure sustained focus on grid safety, reliability and efficiency, customer satisfaction and market innovation.

The Digital Energy business within GE Energy provides technology solutions to electric utilities worldwide, solutions that encompass hardware, software and services supporting the entire electricity value chain, from transformers at the generation switchyard to smart meters and electric vehicle charging at customer premises. As a major manufacturer working with all of the

investor owned utilities in California and as a member of the Smart City San Diego collaborative, which features one of the largest initial deployments of electric vehicles in the country, GE Energy sees the progress being made in modernizing and strengthening the grid, and delivering important economic, efficiency and environmental benefits.

More specifically, GE Energy welcomes the inclusion and recognition of renewable energy for electric vehicle charging in the CEC's publication number CEC-600-2011-006-CTD. Policy, funding mechanisms and public outreach that encourage off-peak charging and/or the reduction of on-peak charging via renewables such as photovoltaic systems are necessary to deliver the most robust and meaningful deployments. Grid impacts can be reduced by offsetting the increased demand for electricity through improvements in local efficiency and/or installations of photovoltaic systems, and business and fleet owners are key targets for this message given their anticipated electric vehicle related load profiles. We thank the Commission for their support of the roll-out of electric vehicles and strategic investments in electric vehicle supply equipment, and we urge the Commission to continue to highlight the important role of renewable energy for electric vehicle charging.

Thank you for your consideration in this matter.

Respectfully submitted,

A handwritten signature in dark ink, reading "John D. McDonald". The signature is written in a cursive, flowing style with a large initial "J".

John D. McDonald  
Director, Technical Strategy & Policy Development