

Battery Charger Systems Test Procedure

Comments on 45 Day Language

Presented to:

California Energy Commission



DOCKET

08-AAER-1B

DATE SEP 17 2008

RECD. SEP 19 2008

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Pacific Gas and Electric Company



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September 17, 2008

CEC Efficiency Committee Workshop

2008 Rulemaking on Appliance Efficiency Regulations

Docket No. 08-AAER-2008



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This presentation was prepared by Pacific Gas and Electric Company and funded by the California utility customers under the auspices of the California Public Utilities Commission.

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PG&E and Ecos Encourage CEC to Adopt the Proposed Test Procedure

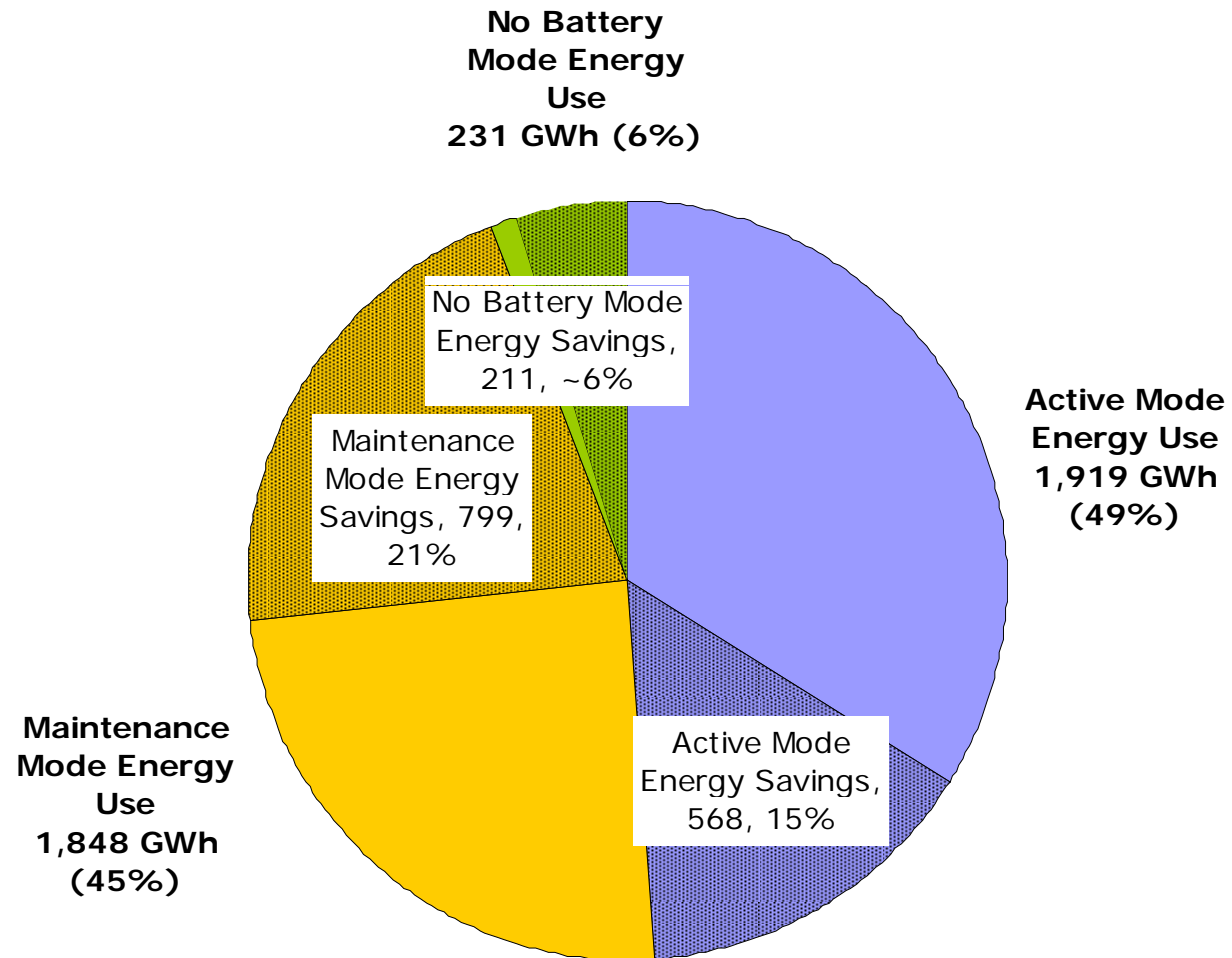
- ▶ Includes tests of active mode efficiency
- ▶ Developed over 5 years with involvement of many stakeholders
- ▶ Used by several laboratories for testing hundreds of products



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Including Active Mode is Important



Recent Improvements to Energy Commission Test Procedure

- ▶ Added a Part 2 to cover non-road electric vehicles (NREV)
- ▶ New to public sphere, but developed over 10 years by Southern California Edison
- ▶ Has had substantial input and support from the manufacturers of NREV chargers and batteries



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Data Collection Period

- ▶ **We support the Commission staff recommendation to submit test data for consideration in setting battery charger system standards levels**
- ▶ **All product types welcome, and especially:**
 - Non-road electric vehicles, including forklifts
 - Products with special requirements (such as emergency lighting)
- ▶ **Ecos/PG&E/SCE submitted a suggested data template to Commission staff to enable uniform data submittal**
- ▶ **We recommend the following timeline for data collection, but encourage the Commission staff to check with stakeholders to ensure timeline is achievable**
 - September 26, 2008: Data template available online at Commission website
 - November 6, 2008: All data due to the Commission (estimated 15-day adoption date)



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DOE to Include Active Mode in Future Test Procedure

- ▶ DOE stated its intent at the 9/12/08 public meeting to include charge mode (“active” mode) in future test procedure
- ▶ A number of stakeholders supported this direction at the 9/12/08 meeting
 - Ecos Consulting, PG&E, AHAM, Power Tool Institute/Black and Decker and ACEEE
- ▶ DOE procedure due to be published in October 2010
- ▶ Opportunity open for DOE to adopt Energy Commission test procedure currently under 45 day language review



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CA and DOE Test Procedure Target Timeline

