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A listing of Commission Business Meetings and Contracts Office due dates is available on EnergyNet under 'Featured Information' or from the Secretariat.

CONTACT PERSON: Matt Fung

PHONE NUMBER: 327-1422

MS: 51

Date due to Contracts Office: N/A

Date due to Secretariat: 8/21/2013

Proposed Business Meeting Date: 9/11/2013

AGENDA ITEM SUBJECT AND DESCRIPTION – This is the wording that will appear on the agenda. Please note the following:

(Expenditure items must include the funding source.)

The Regents of the University of California on behalf of the California Institute for Energy and Environment. Possible approval of grant awards under Contract 500-01-043-05 for a total of \$499,808 with the Regents of the University of California for three grant proposals from three separate 2013 Enabling Technologies Development Solicitations. The three solicitations each targeted an individual research effort in the areas of transmission grid, distribution grid, and smart homes. (PIER electric funded) Contact: Matt Fung (5 minutes)

A. California Polytechnic State University, San Luis Obispo, Arc Fault Circuit Interrupter Development for Residential DC Electricity, \$149,808. This research will develop a 24-48V DC Arc Fault Circuit Interrupter to detect arcing on either the source or load side of a DC electrical outlet, which enhances electric power supply safety. This technology will be integrated into a Smart DC Wall Plug.

B. Regents of the University of California on behalf of the Los Angeles Campus, Repetitive & Adaptive Control of Distributed Generation for Seam-less Transition Between Grid-tied & Off-grid Modes, \$150,000. This research will develop a microgrid control system to provide a seam-less transition between grid-tied and off-grid modes. The control system will provide voltage control to mitigate the distributed energy resources impacts variability at the distribution level.

C. Regents of the University of California on behalf of the San Diego Campus, Porous Silicon-based Lithium Ion Anodes for Secondary Batteries, \$150,000. The research will make an improvement in lithium ion anode for batteries. Anodes are connections through which electric current flows in or out of a rechargeable battery. This research will increase battery life and energy storage capacity. This project will develop and test new chemistry methods to optimize electrical conductivity and enhanced structural stability.

CONSENT

DISCUSSION

Time needed for presentation:

CHECK HERE IF YOU NEED A COPY OF YOUR SIGNED RESOLUTION/ORDER

SPECIFY AUDIO-VISUAL EQUIPMENT NEEDED FOR PRESENTATION:

DEPUTY DIRECTOR SIGNATURE:

DATE:

AGENDA INPUT FORM (GENERAL)



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