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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: 1/22/2014

Proposed Business Meeting Date: 2/18/2014

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, CIEE. Possible approval of three grant applications from the 2013 Enabling Technologies Development Solicitation 13-02, under Contract 500-01-043 with the Regents of the University of California, on behalf of the California Institute for Energy and the Environment. The two solicitation areas targeted research efforts for distribution grid and smart homes for a total of \$997,220. (PIER electric funded) Contact: Matt Fung (5 minutes)

Distribution Grid Research Area

Regents of the University of California on behalf of the Los Angeles Campus, Control of Networked Electric Vehicles to Enable a Smart Grid with Renewable Resources, \$400,000. The research will aggregate plug-in electric vehicles into a network on the distribution grid to provide enhanced peak power support for renewable generation management and energy storage to increase power quality, grid stability, and reliability.

Smart Home Research Area

Regents of the University of California on behalf of the Irvine Campus, Smart Power for the Smart Home: Inverter Connections, Power Factor Corrections, and Peak Reductions, \$397,288. This research will develop a power factor-correcting photovoltaic inverter that can adjust the power factor to balance the peak power consumption at the load to provide greater grid stability. A poor power factor results in efficiency loss when voltage and current are out of phase. The inverter will be tested at a zero net energy home to provide baseline input for peak load reduction simulations.

California State University, San Diego, Enabling Real-Time Residential Pricing with Closed Loop Customer Feedback, \$199,932. This research will develop a closed-loop, real-time customer feedback and cloud-based pricing control method to more accurately forecast electricity loads. Forecast data will be reconciled with real power consumption to provide better real-time pricing information for the utility ratepayer.

CONSENT

DISCUSSION

Time needed for presentation:

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

AGENDA INPUT FORM (GENERAL)



SPECIFY AUDIO-VISUAL EQUIPMENT NEEDED FOR PRESENTATION:	DEPUTY DIRECTOR SIGNATURE: DATE:
THE AGENDA SHOULD BE SENT TO THE FOLLOWING LIST-SERVES:	THE AGENDA SHOULD BE SENT TO THE FOLLOWING HARD-COPY LISTS: