

Minutes of the March 28, 2007 Energy Commission Business Meeting.

The meeting was called to order at 10:00 by Vice Chair James D. Boyd. The Pledge of Allegiance was lead by Vice Chair Boyd.

Present:

James D. Boyd, Vice Chair

Arthur H. Rosenfeld, Commissioner

John L. Geesman, Commissioner

Jeffrey D. Byron, Commissioner

1. CONSENT CALENDAR. (Items on the Consent Calendar will be taken up and voted on as a group. A Commissioner may request that an item be moved and discussed later in the meeting.)
 - a. ALTERNATIVE FUELS AND VEHICLES CONFERENCE. Possible approval of co-sponsorship of \$4,950, staff time and use of the Energy Commission's name for the 2007 Alternative Fuels and Vehicles Conference in Anaheim, April 1-4, 2007. (ERPA funding.) Contact: Asish Gautam.
 - b. MCGRAW-HILL CONSTRUCTION. Possible approval of Purchase Order 06-433.01-014 to McGraw-Hill Construction for \$18,455 for commercial building floor space data to forecast commercial energy demand for the *2007 Integrated Energy Policy Report*. (ERPA funding.) Contact: Gareth Occhiuzzo.
 - c. AVIAN POWER LINE INTERACTION COMMITTEE (APLIC). Possible approval of a no-cost co-sponsorship and use of the Energy Commission's logo on materials for an APLIC workshop in Sacramento April 17-18. APLIC is a collaboration of utilities, governmental and non-governmental organizations working to protect avian resources while enhancing reliable energy delivery. APLIC has partnered with the PIER program on avian research projects. Contact: Melinda Dorin.

Item 1a was removed from the agenda. Commissioner Rosenfeld moved and Commissioner Geesman seconded approval of the remaining Consent Calendar items, 1b and 1c. The vote was unanimous. (4-0)

2. PACIFIC GAS AND ELECTRIC COMPANY. Possible approval of Contract 500-06-037 for \$800,000 with Pacific Gas and Electric Company to develop a set of preferred regional transmission planning scenarios. These scenarios will focus on integrating a diverse renewable generation technologies portfolio to supply Northern California's projected electricity demand to 2020. The goal is to develop and prioritize the transmission reliability benefits of various renewable resources and transmission investment needs. (PIER electricity funding.) Contact: Dora Yen. (10 minutes)

Commissioner Geesman moved and Commissioner Rosenfeld seconded approval of Contract 500-06-037. The vote was unanimous. (4-0)

3. GAS TECHNOLOGY INSTITUTE. Possible approval of Contract 500-06-038 for \$2,205,909 with Gas Technology Institute to develop and demonstrate Cummins QSK19G engine generator integrated with a thermo chemical recuperation (TCR) system that exceeds California's 2007 distributed generation emission standards and the Advanced Reciprocating Internal Combustion Engine (ARICE) 2009 efficiency goal. (PIER electricity funding.) Contact: Avtar Bining. (10 minutes)

Item 3 was moved to the April 11, 2007 agenda.

4. HESCHONG MAHONE GROUP. Possible approval of Contract 500-06-039 for \$975,740 with Heschong Mahone Group for a coordinated research program consisting of three energy-efficient lighting research projects. (PIER electricity funding.) Contact: Michael Seaman. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Geesman seconded approval of Contract 500-06-039. The vote was unanimous. (4-0)

5. CALIFORNIA INSTITUTE FOR ENERGY AND THE ENVIRONMENT. Possible approval of PIER Work Authorization MR-064 for \$1,175,000 with California Institute for Energy and the Environment (CIEE), under the UC Master Research Agreement 500-02-004 with The Regents of the University of California – Office of the President/CIEE, for *Development of Fault Current Controller Technology*. The project will evaluate two types of fault current control technology – one active and one passive – and determine performance criteria and field test both technologies against that criteria. (PIER electricity funding.) Contact: Jamie Patterson. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Geesman seconded approval of Work Authorization MR-064. The vote was unanimous. (4-0)

6. U. S. DEPARTMENT OF ENERGY, NATIONAL RENEWABLE ENERGY LABORATORY. Possible approval of PIER work authorization MR-065 for \$575,000 with the U. S. Department of Energy, National Renewable Energy Laboratory, under the UC Master Research Agreement Number 500-02-004 with the Regents of the University of California, Office of the President for *WECC Wind Generation Modeling*. The project will validate existing Western Electricity Coordinating Council (WECC) wind turbine models and develop methods to use these individual models to design an aggregated model of an entire wind farm. (PIER electricity funding.) Contact: Jamie Patterson. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Geesman seconded approval of Work Authorization MR-065. The vote was unanimous. (4-0)

7. TIAX, LLC. Possible approval of Amendment 1 to Contract 600-04-025 with TIAX, LLC, to extend the contract term for one-year and add \$82,354 to develop cost curves that quantify and evaluate the potential to reduce greenhouse gas (GHG) emissions by the industry sector and pollutant sources. (ERPA funding.) Contact: Tim Olson. (10 minutes)

Item 7 was held over for a future agenda.

8. KEMA, INC. Possible approval of Amendment 1 to Contract 600-05-010 with KEMA, INC., adding \$55,503 to fund the incentives ensuring adequate responses to the commercial and household survey used in the CALCARS model. (ERPA funding.) Contact: Malachi Weng-Gutierrez. (10 minutes)

Commissioner Byron moved and Commissioner Geesman seconded approval of Contract 600-05-010. The vote was unanimous. (4-0)

9. PUBLIC INTEREST ENERGY RESEARCH (PIER) 2006 ANNUAL REPORT. Possible approval of the *2006 PIER Annual Report* to the Legislature. The *2006 PIER Annual Report* must be submitted by March 31 and includes an overview of the Program, SB 1250 goals, accomplishments and project highlights. The report appendices contain project write-ups describing the research and results for over 800 funded projects. Contact: Martha Krebs/Nancy Libonati. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Geesman seconded approval of the 2006 PIER Annual Report. The vote was unanimous. (4-0)

10. U. S. DEPARTMENT OF ENERGY REBUILD AMERICA GRANT. Possible approval of \$280,000 for three grants awarded by the Energy Commission under the Department of Energy's 2006 State Energy Program Special Project Rebuild America grant program (DE- FG26-O6NT42987). (DOE funding) Contact: Maura Clark. (10 minutes)

- a) San Diego Association of Governments (SANDAG): \$50,000 grant to modify its regional energy plan so new non-residential construction is built to exceed the *2005 Title 24 Nonresidential Building Efficiency Standards*. The funds will allow SANDAG to continue providing educational services for member jurisdictions on energy efficiency practices and to assist them with access to utility and state incentive programs. SANDAG will track and publicize the benefits of energy efficiency, including energy savings and greenhouse gas reduction.
- b) Association of Monterey Bay Area Governments (AMBAG): \$50,000 grant to modify its regional energy plan so new non-residential construction is built to exceed the *2005 Title 24 Nonresidential Building Efficiency Standards*. The funds will allow AMBAG to continue providing educational services for member jurisdictions on energy efficiency practices and to assist them with access to utility and state incentive programs. AMBAG will track and publicize the benefits of energy efficiency, including energy savings and greenhouse gas reduction.
- c) Collaborative for High Performance Schools (CHPS): \$180,000 grant to continue the CHPS High Performance Relocatable Program, develop a scorecard for high performance relocatables, provide training on the scorecard to districts and manufacturers, update the specifications and modify the Design Manual.

Commissioner Geesman moved and Commissioner Byron seconded approval of the three grants. The vote was unanimous. (4-0)

11. **Minutes**
Approval of the March 14, 2007, Business Meeting Minutes.

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of the minutes. Commissioner Boyd abstained, not having attended the March 28, 2007, meeting. The vote was 3-0-1.

12. **Commission Committee Presentations/Discussion** – No presentation.
13. **Chief Counsel's Report** - None
14. **Executive Director's Report** - None
15. **Legislative Director's Report** – None
16. **Public Adviser's Report** – None
17. **Public Comment** - None

There being no further business, the meeting was adjourned at 11:18.

Appearances:

Dr. Merwin Brown, University of California, Davis

Respectfully submitted

HARRIET KALLEMEYN
Secretary to the Commission