

STATE OF CALIFORNIA
California Energy Commission

Minutes of the June 24, 2009, Energy Commission Business Meeting.

The meeting was called to order at 10:02 by Chairman Karen Douglas. The Pledge of Allegiance was led by Chairman Douglas.

Present:

Karen Douglas, Chairman
James D. Boyd, Vice Chair
Arthur H. Rosenfeld, Commissioner
Jeffrey D. Byron, Commissioner

1. STAFF TECH, INC. Possible approval of Purchase Order Number 08-409.00-018 for \$150,000 with Staff Tech, Inc., to create a feasibility study for the Energy Commission that provides the best approach and solution for implementing the Planning Alternative Corridors for Transmission (PACT) model with the Energy Commission as a host and compatible with Energy Commission's technology standards. (ERPA funding.) Contact: Larry Smith. (5 minutes)

Commissioner Boyd moved and Commissioner Byron seconded approval of Purchase Order 08-409.00-018. The vote was unanimous. (4-0)

2. CAMBRIA SOLUTIONS. Possible approval of Purchase Order 08-409.00-015 for \$333,813 with Cambria Solutions to assist staff in developing a performance metric and expenditure tracking and reporting system for funding awards under the American Recovery and Reinvestment Act (ARRA) and develop an early warning system to detect fraud and misuse of federal ARRA funds. The project will help ensure transparency and accountability by designing a system to properly track project performance metrics and develop fraud detection and risk measurement techniques to guide project selection and monitor performance. The tracking and early detection systems are needed to comply with federal U.S. Department of Energy and Office of Management and Budget (OMB) laws, regulations and guidelines. (ERPA/ARRA funding.) Contact: Mark Hutchison. (5 minutes)

Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of Purchase Order 08-409.00-015. The vote was unanimous. (4-0)

3. ASPEN ENVIRONMENTAL GROUP. Possible approval of Contract 700-08-001 for \$18,636,000 for three years to provide specialized engineering and environmental assistance to Energy Commission staff for the Siting, Regulatory and Planning Program. The team will support Commission staff with reviewing energy facility license applications, energy facility compliance, transmission corridor designation and other planning and permitting related tasks to support California's critical renewable energy development goals. Technical support is essential to the Commission's ability to license new power plants through the California Environmental Quality Act and to designate corridors for future transmission line routes in a timely manner. Existing program staffing levels are based on the Energy Commission's historical average of six cases per year; however, currently there are over two dozen active cases or major compliance amendments

under review, and developers are expected to file as many as 13 new projects in the next six months. (ERPA and other funding.) Contact: Terry O'Brien. (10 minutes)

Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Contract 700-08-001. The vote was unanimous. (4-0)

4. LAWRENCE BERKELEY NATIONAL LABORATORY. Possible approval of Contract 500-08-052 for \$1,959,879 with Lawrence Berkeley National Laboratory to develop an improved software tool to track and verify building energy savings. The project will develop publicly available building system diagnostic tools, measurement and evaluation systems and fan system tools, and integrate those elements into an upgraded universal translator framework that can be used by commissioning agents, utility program energy analysts and others to track and verify energy savings. (PIER electricity funding.) Contact: Chris Scruton. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of Contract 500-08-052. The vote was unanimous. (4-0)

5. BENNINGFIELD GROUP. Possible approval of grant PIR-08-016 for \$178,370 to Benningfield Group to obtain real-world data to measure the performance of PIER-developed, high performance package air conditioning systems compared to conventional package air conditioning systems in two identical school buildings. (PIER electricity funding.) Contact: Chris Scruton. (5 minutes)

Item 5 was postponed to a future agenda.

6. CONSOL CONSULTING. Possible approval of grant PIR-08-021 for \$292,173 to ConSol Consulting to estimate, through simulation and input from builders and designers, the most cost-effective ways to meet zero net energy goals for new residential buildings in 16 California climate zones. (PIER electricity funding.) Contact: Norm Bourassa. (5 minutes)

Item 6 was postponed to a future agenda.

7. H. T. HARVEY AND ASSOCIATES. Possible approval of Grant PIR-08-027 for \$732,411 to H. T. Harvey and Associates for research to test techniques to assess nocturnal bird and bat activity at wind energy facilities. (PIER electricity funding.) Contact: Linda Spiegel. (5 minutes)

Item 7 was postponed to a future agenda.

8. CALIFORNIA WIND ENERGY ASSOCIATION. Possible approval of Grant PIR-08-028 for \$442,078 to California Wind Energy Association for research to improve the accuracy of methods for estimating the number of bird and bat fatalities at wind energy facilities. (PIER electricity funding.) Contact: Linda Spiegel. (5 minutes)

Item 8 was postponed to a future agenda.

9. EDM INTERNATIONAL, INC. Possible approval of Grant PIR-08-026 for \$165,516 to EDM International, Inc., to evaluate the effectiveness of an avian electrocution risk calculator and of distribution pole retrofitting methods used by utilities. (PIER electricity funding.) Contact: Linda Spiegel. (5 minutes)

Item 9 was postponed to a future agenda.

10. LOS ANGELES COMMUNITY COLLEGE DISTRICT. Possible approval of Grant PIR-08-031 for \$2 million to Los Angeles Community College District for energy efficiency upgrades and curriculum development. Solar PV, solar thermal, lithium-ion batteries, hot water storage, T8 LED lighting retrofits and management and control technologies will be installed on campus to reduce energy consumption during peak demand. The project also will develop certification programs and course materials for energy technology education. (PIER electricity funding.) Contact: Ken Koyama. (10 minutes)

Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of Grant PIR-08-031. The vote was unanimous. (4-0)

11. SONOMA COUNTY WATER AGENCY. Possible approval of Grant PIR-08-038 for \$1 million to Sonoma County Water Agency to develop and demonstrate a model that integrates five mature renewable resources and conversion technologies with efficiency measures and demand response. The project is designed to prepare Sonoma County to implement a locally-owned, cost-effective renewable energy portfolio. (PIER electricity funding.) Contact: Ken Koyama. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of Grant PIR-08-038. The vote was unanimous. (4-0)

12. SOUTHERN CALIFORNIA EDISON. Possible approval of Grant PIR-08-037 for \$200,000 to Southern California Edison for a study of high penetration of renewable energy on Santa Catalina Island. (PIER electricity funding.) Contact: Ken Koyama. (5 minutes)

Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of Grant PIR-08-037. The vote was unanimous. (4-0)

13. LOCAL POWER, INC. Possible approval of grant PIR-08-032 for \$198,167 to Local Power, Inc., to facilitate local renewable energy development in San Luis Obispo County. The project will identify barriers, assess supply and demand of local resources, construct a framework analysis and an energy supply model, and prepare alternative technology configurations. (PIER electricity funding.) Contact: Ken Koyama. (5 minutes)

Commissioner Byron moved and Commissioner Boyd seconded approval of Grant PIR-08-032. The vote was unanimous. (4-0)

14. REDWOOD COAST ENERGY AUTHORITY. Possible approval of grant PIR-08-034 for \$199,988 to Redwood Coast Energy Authority to develop a strategic energy plan for Humboldt County. The goal is to meet 75- to 100 percent of local electricity demand and

a significant fraction of heating and transportation energy needs by using an integrated mix of local renewable energy resources, energy efficiency and demand management. (PIER electricity funding.) Contact: Ken Koyama. (5 minutes)

Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of Grant PIR-08-034. The vote was unanimous. (4-0)

15. SUMMERS CONSULTING, LLC. Possible approval of grant PIR-08-041 for \$999,925 to Summers Consulting, LLC, to develop independent, scientific performance data related to dairy biogas power systems for renewable energy generation and environmental pollution control. (PIER natural gas funding.) Contact: Ken Koyama. (5 minutes)

Item 15 was postponed to a future agenda.

16. GAS TECHNOLOGY INSTITUTE. Possible approval of grant PIR-08-044 for \$1 million to Gas Technology Institute to develop a heavy-duty natural gas engine using advanced technologies to improve performance and reduce emissions. Exhaust gas recirculation, three-way catalyst and spark ignition technology will be incorporated in a new heavy duty truck (Class 8) engine. (PIER natural gas funding.) Contact: Ken Koyama. (10 minutes)

Item 16 was postponed to a future agenda.

17. COMMITTEE ASSIGNMENT FOR AVENAL ENERGY PROJECT (08-AFC-01). Possible appointment of Chairman Karen Douglas as Associate Member of the siting committee for the Avenal Energy Center Project, replacing Commissioner Rosenfeld. Commissioner Byron is the Presiding Member. Contact: Gary Fay. (5 minutes)

Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of the appointment of Chairman Douglas to the siting committee for the Avenal Project, replacing Commissioner Rosenfeld. The vote was unanimous. (4-0)

18. 2010 PEAK DEMAND FORECAST. Possible approval of a revised forecast of 2010 peak demand. This forecast would be used as the reference case for California Public Utilities Commission-jurisdictional forecasts used to establish 2010 Resource Adequacy requirements. Contact: Sylvia Bender. (5 minutes)

Commissioner Byron moved and Commissioner Boyd seconded approval of the revised 2010 peak demand forecast. The vote was unanimous. (4-0)

19. **Minutes:** Approval of the June 17, 2009, Business Meeting Minutes.

Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of the Minutes. The vote was unanimous. (4-0)

20. **Commission Committee Presentations/Discussion:** None.

21. **Chief Counsel's Report:** Chief Counsel Bill Chamberlain gave the report.
22. **Executive Director's Report:** Executive Director Melissa Jones gave the report.
23. **Public Adviser's Report:** Public Adviser Elena Miller gave the report.
24. **Public Comment:** None.

Appearances:

Ms. Jane Luckhardt, Downey Brand Attorneys, LLP

There being no further business, the meeting was adjourned.

Respectfully submitted,'

HARRIET KALLEMEYN
Secretary to the Commission