

STATE OF CALIFORNIA
California Energy Commission

Minutes of the June 4, 2008, Energy Commission Business Meeting.

The meeting was called to order at 10:00 by Chairman Jackalyne Pfannenstiel. The Pledge of Allegiance was lead by Chairman Pfannenstiel.

Present:

Jackalyne Pfannenstiel, Chairman
Arthur H. Rosenfeld, Commissioner
Jeffrey D. Byron, Commissioner
Karen Douglas, Commissioner

1. SMUD COSUMNES POWER PLANT (01-AFC-19C). Possible approval of an Amendment to modify the project description and three Air Quality Conditions of Certification for the SMUD Cosumnes Power Plant, based on the redesigned cooling tower. Contact: Ron Yasny. (10 minutes)

Commissioner Byron moved and Commissioner Douglas seconded approval of the Amendment. The vote was unanimous. (4-0)

2. GLOBAL GEOTHERMAL LIMITED. Possible approval of royalty agreement ROY-07-002 with Global Geothermal, which has taken over Exergy, Inc.'s loan agreement number 500-86-001. Global Geothermal has agreed to pay royalties up to the principal loan amount (\$2,250,000) that Exergy borrowed for construction and testing of a 3.2 megawatt advanced Kalina Cycle demonstration plant, completed in the late 1990's. Contact: Prab Sethi. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Royalty Agreement ROY-07-002. The vote was unanimous. (4-0)

3. ROCKMAN ETC., INC. Possible approval of Contract 180-07-001 for \$20,000 with Rockman Etc., Inc. to co-fund a study of the PG&E Solar Schools Program to determine its effectiveness and assess the participants' (teachers and students) attitudes toward science and energy, in particular energy efficiency and renewable energy. (ERPA funding.) Contact: Chris Graillat. (10 minutes)

Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Contract 180-07-001. The vote was unanimous. (4-0)

4. KYBRO CONSULTING. Possible approval of Purchase Order 07-409.00-028 for \$96,720 with KYBRO Consulting to modify the Energy Consumption Data Management System (ECDMS) to accommodate data collected under revised data collection regulations and provide support for the system, including on-going maintenance for the ECDMS database and associated applications. (ERPA funding.) Contact: Andrea Gough. (10 minutes)

Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Purchase Order 07-409.00-028. The vote was unanimous. (4-0)

5. SCRIPPS INSTITUTION OF OCEANOGRAPHY. Possible approval of Contract 500-07-042 for \$1,200,000 with the Regents of the University of California, Scripps Institution of Oceanography to develop detailed projections of how global climate changes might lead to temperature, wind velocity, humidity, micro-climate and other changes within California. Using probability distributions, various scenarios will be created to improve long-term energy system planning in California. (PIER electricity funding.) Contact: Sarah Pittiglio. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Douglas seconded approval of Contract 500-07-042. The vote was unanimous. (4-0)

6. LAWRENCE BERKELEY NATIONAL LABORATORY. Possible approval of Contract 500-07-046 for \$870,000 with U. S. Department of Energy, Lawrence Berkeley National Laboratory to improve Demand Controlled Ventilation (DCV) specifications in Title 24, conduct research to better understand how much ventilation is needed for healthy environments in schools, and to quantify the potential energy savings in California both from DCV systems in office buildings and by improving public school ventilation rates. (PIER electricity funding.) Contact: Bradley Meister. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Contract 500-07-046. The vote was unanimous. (4-0)

7. COMBINED COOLING, HEATING AND POWER SYSTEMS GRANT AWARDS. Possible approval of six grant awards totaling \$5,521,833 under the September 4, 2007, Combined Cooling, Heating and Power (CCHP) Systems competitive solicitation. The solicitation targeted projects to advance the science, technology, and California market penetration of grid-connected CCHP systems. The proposed research projects would make the prime movers and other components of CCHP systems more acceptable to the California market, especially with respect to lower installed costs, higher energy efficiency, matching on-site electrical and thermal loads, and exceeding California Air Resources Board Distributed Generation emission requirements. (PIER electricity funding.) Contact: Arthur J. Soinski. (10 minutes)

Commissioner Byron moved and Commissioner Rosenfeld seconded approval of the six grant awards. The vote was unanimous. (4-0)

8. WHITE BOX TECHNOLOGIES, INC. Possible approval of Contract 500-07-033 for \$300,000 with White Box Technologies, Inc., to review available weather data and develop a new set of standard California Climate Thermal Zone weather files for use in the mandated Energy Commission Title 24 compliance and New Solar Homes Partnership incentive calculations. The current weather files, last revised in 1992, are out of date. Updates and improvements will include more recent weather data and more detailed solar radiation data. (PIER electricity funding.) Contact: Norm Bourassa. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Contract 500-07-033. The vote was unanimous. (4-0)

9. **Minutes**
Approval of the May 21, 2008, Business Meeting Minutes.

No action was taken to approve the Minutes as there was not a quorum of Commissioners who were present at the May 21 meeting.

10. **Commission Committee Presentations/Discussion** – None
11. **Chief Counsel's Report** - None
12. **Executive Director's Report** - None
13. **Legislative Director's Report** – Acting Legislative Director Marni Weber gave the report.
14. **Public Adviser's Report** - None
15. **Public Comment** - None

There being no further business, the meeting was adjourned.

Appearances:

Mr. Gale Higgins, Sacramento Municipal Utilities District

Ms. Maria deLourdes Jimenez-Price, Sacramento Municipal Utilities District

Respectfully submitted,

HARRIET KALLEMEYN
Secretary to the Commission