

**STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION**

Minutes of the March 25, 2009, Energy Commission Business Meeting.

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

Present:

James D. Boyd, Vice Chair

Arthur H. Rosenfeld, Commissioner

Jeffrey D. Byron, Commissioner

Julia A. Levin, 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. AWS TRUEWIND, LLC. Possible approval of Amendment 1 to Contract 500-06-024 with AWS Truwind, LLC for a no-cost time extension of six months to allow completion of the modeled time-series dataset development task and meet final reporting requirements. Contact: Ken Koyama.
  - b. ALTERNATIVE ENERGY SYSTEMS CONSULTING, INC. Possible approval of Amendment 1 to Contract 500-07-020 with Alternative Energy Systems Consulting, Inc. for a no-cost time extension of 12 months. Contact: Mike Gravely.
  - c. STANFORD UNIVERSITY. Possible approval of Contract 500-08-038 for \$15,000 with Stanford University for Energy Commission membership in the Energy Modeling Forum Affiliates Program, an energy-environmental network of experts that seek to improve public policy. Membership allows Energy Commission staff to participate in working groups and discussions on natural gas modeling methodologies. (PIER electricity funding.) Contact: Mike Gravely.
  - d. CALIFORNIA CLIMATE ACTION REGISTRY ANNUAL CONFERENCE. Possible approval of \$4,000, staff time, travel expense and use of the Energy Commission's name for co-sponsorship of the California Climate Action Registry Annual Conference April 1-3, 2009, in San Diego. (ERPA funding.) Contact: Pierre duVair.
  - e. UNIVERSITY OF CALIFORNIA, DAVIS. Possible approval of Amendment 2 for Work Authorization MR-029, under Contract 500-02-004 with the University of California, Davis for a no cost time extension of 23 months to accommodate a change in the demonstration site. Due to significant delays at the pilot Biogas Energy Plant at UC Davis, more time is required for material handling, equipment selection and testing and software development for the digester system control and monitoring at a Campbell Soup facility in Sacramento. Contact: Thom Kelly.

*Commissioner Rosenfeld moved and Commissioner Levin seconded approval of the Consent Calendar. The vote was unanimous. (4-0)*

2. PANOCHE ENERGY CENTER (06-AFC-5C). Possible approval of Panoche Energy Center LLC's Petition to Amend Final Commission Decision relating to the addition of 6.5 acres to the existing Pacific Gas & Electric Company substation. The additional area will accommodate the installation of a new bus configuration to improve the long-term electricity transmission reliability of the substation. The electric transmission lines will also be reconfigured to improve the substation's reliability. Contact: Dale Rundquist. (10 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of the Petition. The vote was unanimous. (4-0)*

*At this point, Commissioner Levin left the room.*

3. PUBLIC INTEREST ENERGY RESEARCH (PIER) ANNUAL REPORT. Possible approval of the Public Interest Energy Research (PIER) 2008 Annual Report to the Legislature. Contact: Thom Kelly. (10 minutes)

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of the report. The vote was unanimous. (3-0)*

4. GAS TECHNOLOGY INSTITUTE. Possible approval of Contract 500-08-037 for \$490,000 with Gas Technology Institute to develop and demonstrate a pebble bed scrubber for corrosive exhaust gases from aluminum re-melting operations. (PIER natural gas funding.) Contact: Thom Kelly. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Contract 500-08-037. The vote was unanimous. (3-0)*

*At this point Commissioner Levin returned.*

5. MRW & ASSOCIATES, INC. Possible approval of Amendment 1 to Contract 150-07-004 with MRW & Associates, Inc., adding \$149,670 and a one-year time extension to assist in preparing, reviewing and analyzing Integrated Energy Policy (IEPR) Committee-directed utility reports related to nuclear power; assist with levelized cost assessments for new nuclear generation, the IEPR workshop on nuclear power plant issues, and the 2009 *Integrated Energy Policy Report*. (ERPA funding.) Contact: Suzanne Korosec. (5 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Contract 150-07-004. The vote was unanimous. (4-0)*

6. RICE UNIVERSITY JAMES A. BAKER III INSTITUTE FOR PUBLIC POLICY. Possible approval of Contract 800-08-001 for a \$150,000 three-year membership with the Energy Forum of the James A. Baker III Institute for Public Policy at Rice University. Membership qualifies the Energy Commission as an Advisory Board member and allows staff access to proprietary natural gas data and model results, publications and technical experts. (ERPA funding.) Contact: Sylvia Bender. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Contract 800-08-001. The vote was unanimous. (4-0)*

7. KENNETH B. MEDLOCK III, PhD. Possible approval of Contract 800-08-002 for \$46,000 over three years with Kenneth B. Medlock III, PhD, of the Rice University Energy Forum to provide technical support to modify the Baker Institute's natural gas model, including its most recent base case scenario inputs and structure, to complement Energy Commission staff work for the 2009-10 and 2011-12 Integrated Energy Policy Report cycles. (ERPA funding.) Contact: Sylvia Bender. (5 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Contract 800-08-002. The vote was unanimous. (4-0)*

8. ASPEN ENVIRONMENTAL GROUP. Possible approval of Work Authorization 1910.002 for \$132,000 under Contract 400-07-032 with Aspen Environmental Group for technical support to perform a review and evaluation of natural gas forecasting models. The project is to identify and test the functionality of model(s) and/or analytical tools that match the Energy Commission's technical needs to support policy and decision-making in future Integrated Energy Policy Reports and other regulatory proceedings. (ERPA funding.) Contact: Sylvia Bender. (5 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Work Authorization 1910.002 under Contract 400-07-032. The vote was unanimous. (4-0)*

9. CALIFORNIA COMMISSIONING COLLABORATIVE. Possible approval of Contract 400-08-005 with California Commissioning Collaborative (CCC) for \$50,000 to renew the Energy Commission's membership and position on the Board of Directors for one year. The CCC is a non-profit 501(c) 3 organization committed to improving the performance of buildings and their systems. (ERPA funding.) Contact: Bill Pennington. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Levin seconded approval of Contract 400-08-005. The vote was unanimous. (4-0)*

10. BUILDING MEDIA INCORPORATED. Possible approval of Contract 400-08-004 for \$497,000 with Building Media Incorporated to develop the California Energy Standards Online Learning Center, an educational program for Building Department personnel to increase their understanding of the 2008 Title 24 Building Energy Efficiency Standards (Standards) and compliance with the Standards in the field. (DOE grant funding.) Contact: Bill Pennington. (5 minutes).

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Contract 400-08-004. The vote was unanimous. (4-0)*

11. NEW SOLAR HOMES PARTNERSHIP CALL CENTERS. Possible approval of amending the call center contracts with three utilities, adding funding and a time extension of 24 months for application processing and call center activities within their service territories for the New Solar Homes Partnership. (RRTF funding.) Contact: Mark Hutchison. (5 minutes)
  - a. PACIFIC GAS & ELECTRIC. Amendment 1 to Contract 400-07-005 with Pacific Gas & Electric, adding \$1,392,851 and 24 months of additional time.
  - b. SAN DIEGO GAS AND ELECTRIC. Amendment 1 to Contract 400-07-006 with San Diego Gas and Electric, adding \$540,409 and 24 months of additional time.

- c. SOUTHERN CALIFORNIA EDISON. Amendment 1 to Contract 400-07-007 with Southern California Edison, adding \$566,740 and 24 months of additional time.

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of the amendments to contracts 400-07-005, 400-007-006 and 400-07-007. The vote was unanimous. (4-0)*

12. HYDROLOGIC RESEARCH CENTER. Possible approval of Contract 500-08-033 for \$1,000,000 with Hydrologic Research Center to refine and enhance an integrated forecasting and decision support system for four large Northern California reservoirs: Shasta, Oroville, Trinity and Folsom. The initial project developed and successfully demonstrated the utility of coupling probabilistic runoff forecasts with facility specific and regional decision support modeling. (PIER electricity funding.) Contact: Joe O'Hagan. (10 minutes)

*Commissioner Rosenfeld moved and Commissioner Levin seconded approval of Contract 500-08-033. The vote was unanimous. (4-0)*

13. CTG ENERGETICS, INC. Possible approval of Contract 500-08-036 for \$689,558 with CTG Energetics, Inc. to review current greenhouse gas (GHG) assessment activities and make specific recommendations for GHG assessment procedures for built environments. This information will provide the foundation for development of GHG assessment protocols. (PIER electricity funding.) Contact: Norm Bourassa. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Contract 500-08-036. The vote was unanimous. (4-0)*

14. UNIVERSITY OF CALIFORNIA, LOS ANGELES. Possible approval of Contract 500-08-029 for \$708,245 with the University of California, Los Angeles to develop additional features to the Home Energy Efficient Design (HEED) software tool to help designers meet the goal of net zero energy residential buildings by the year 2020. (PIER electricity funding.) Contact: Norm Bourassa. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Levin seconded approval of Contract 500-08-029. The vote was unanimous. (4-0)*

15. UNIVERSITY OF CALIFORNIA, IRVINE. Possible approval of Contract 500-08-034 for \$1,132,714 with the University of California, Irvine to develop criteria that will help system operators predict the impacts of differing fuel compositions, including LNG, hydrogen and gases from biomass, landfills and digesters, on combustion system operation. (PIER natural gas funding.) Contact: Marla Mueller. (10 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Contract 500-08-034. The vote was unanimous. (4-0)*

*At this point Commissioner Levin left the room.*

16. UNIVERSITY OF MISSOURI, COLUMBIA. Possible approval of Contract 500-08-022 for \$1,000,000 with the University of Missouri, Columbia to develop an Advanced Adsorbed Natural Gas Tank for natural gas vehicle on-board and fueling station storage applications. The University of Missouri will refine its corn-cob activated carbon material and design low-pressure (500 psi), flat-panel tanks for use in natural gas vehicles and fueling stations. Successful implementation of the material advances and design innovations could reduce storage tank costs by up to 70 percent. The project includes over \$600,000 in cost share from the University of Missouri and Southern California Gas Company. (PIER natural gas funding.) Contact: Mike Smith. (10 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Contract 500-08-022. The vote was unanimous. (3-0)*

17. CALIFORNIA DEPARTMENT OF TECHNOLOGY SERVICES. Possible approval of Contract 200-09-001 for \$600,000 for a four-year period with the California Department of Technology Services. The contract provides state-mandated connectivity between the Energy Commission and the Departments of Finance and Personnel Administration, State Controller's Office, State Personnel Board, and the Internet for both Web and e-mail services. (ERPA funding.) Contact: Larry Smith. (5 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Contract 200-09-001. The vote was unanimous. (3-0)*

18. ANDES CONSULTING, LLC. Possible approval of Purchase Order 08-409.00-008 for \$75,000 with Andes Consulting, LLC to provide programming services for application and database support to upgrade the Energy Efficiency Financing System for the Special Projects Office of the Energy Commission's Fuels and Transportation Division. (ERPA funding.) Contact: Larry Smith. (5 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Purchase Order 08-409.00-008. The vote was unanimous. (3-0)*

19. PUBLIC SECTOR CONSULTING SERVICES. Possible approval of Purchase Order 08-409.00-004A for \$43,740.00 to Public Sector Consulting Services to amend the existing purchase order for technical support for the Program Information Management System (PIMS). Additional project tasks have been identified as part of the original purchase order for technical support, maintenance and development of new baseline requirements. (ERPA funding.) Contact: Larry Smith. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Purchase Order 08-409.00-004A. The vote was unanimous. (3-0)*

*At this point Commissioner Levin returned.*

20. CAMCO COMMUNICATIONS CORPORATION. Possible approval of Purchase Order 08-409.00-010 for \$84,300 to Camco Communication Corporation for the Energy Commission's website server co-location services. The Energy Commission is looking for an alternate facility that can support a 24/7 operations with HVAC, electrical power and staffing to house its mission critical web server. (ERPA funding.) Contact: Larry Smith. (5 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Purchase Order 08-409.00-010. The vote was unanimous. (4-0)*

21. **Minutes:**

- a. Possible approval of the January 28, 2009, Business Meeting Minutes.

*No action was taken on item 21a as the commissioners who were present on January 28 were not all available today.*

- b. Possible approval of the March 11, 2009, Business Meeting Minutes.

*Commissioner Rosenfeld moved and Commissioner Levin seconded approval of the March 11, 2009, Minutes. The vote was unanimous. (4-0)*

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

23. **Chief Counsel's Report:** Chief Counsel Bill Chamberlain gave the report.

24. **Executive Director's Report:** None.

25. **Legislative Director's Report:** None.

26. **Public Adviser's Report.** None.

27. **Public Comment:** None.

There being no further business, the meeting was adjourned at 12:06.

Appearances:

Ms. Melissa Foster, Stoel Rives, LLP

Mr. Gary Chandler, Apex power Group, LLC

Respectfully submitted,

HARRIET KALLEMEYN  
Secretary to the Commission