

**STATE OF CALIFORNIA**  
California Energy Commission  
January 27, 2010

Minutes of the January 27, 2010, 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  
Jeffrey D. Byron, Commissioner

Robert B. Weisenmiller, Commissioner  
Anthony Eggert, Commissioner

Chairman Douglas introduced and welcomed newly appointed Public Adviser, Jennifer Jennings.

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. CITY OF ANAHEIM. Possible approval of the Executive Director's recommendation that the City of Anaheim's 34-year contract with Brea Power Partners, LLP, and Brea Power II, LLC's 27.8 MW biomass/landfill gas-to-electric generation plant be found compliant with the emission performance standard for local publicly owned electric utilities under SB 1368 (California Code of Regulations, Title 20, sections 2900-2913). Contact: Marc Pryor.
  - b. GAS TECHNOLOGY INSTITUTE. Possible approval of Amendment 1 to Contract 500-08-037 with the Gas Technology Institute for a change of the notation in the project's budget. This change is necessary conform the contract with current Energy Commission invoicing requirements. The project's schedule, funding amount, and work scope will remain unchanged. Contact: Kiel Pratt.
  - c. CITY OF MORGAN HILL. Possible approval of the City of Morgan Hill's locally adopted energy standards for residential and nonresidential newly constructed buildings and alterations and additions to existing buildings. The ordinance will require greater energy efficiency than the *2009 Building Energy Efficiency Standards*. Contact: Joseph Loyer.

*Vice Chair Boyd moved and Commissioner Byron seconded approval of the Consent Calendar. The vote was unanimous. (5-0)*

2. CITY OF VENTURA. Possible approval of a \$500,000 loan to the City of Ventura to install a new 220 ton variable speed drive chiller, upgrade interior and exterior lights and upgrade server cooling controls for the city data center. This project is estimated to save \$75,106 annually, with a simple payback of 6.6 years. (ARRA funding.) Contact: Joseph Wang. (5 minutes)

*Commissioner Byron moved and Commissioner Eggert seconded approval of the loan to the City of Ventura. The vote was unanimous. (5-0)*

3. CITY OF MONTEREY. Possible approval of a \$1,551,918 loan to the City of Monterey to upgrade tunnel, bike path, and street lights with induction lighting. This will save the City 930,127 kWh or \$121,039 annually. Based on the loan amount, the simple payback is approximately 12.8 years. (ARRA funding.) Contact: Joji Castillo. (5 minutes)

*Vice Chair Boyd moved and Commissioner Byron seconded approval of the loan to the City of Monterey. The vote was unanimous. (5-0)*

4. CITY OF DINUBA. Possible approval of a \$611,334 loan to the City of Dinuba to implement energy efficiency measures at the city's wastewater reclamation facility. The project will save the city approximately 189 kilowatts of peak electric load and 532 kilowatt hours or \$88,643 annually, in addition to approximately 434,300 pounds of carbon dioxide equivalent greenhouse gas emission. Based on the loan amount, the simple payback is approximately 6.9 years. (ARRA funding.) Contact: Shahid Chaudhry. (5 minutes)

*Commissioner Byron moved and Commissioner Eggert seconded approval of the loan to the City of Dinuba. The vote was unanimous. (5-0)*

5. PORTOLA VALLEY SCHOOL DISTRICT. Possible approval of a \$1,091,657 loan to Portola Valley School District to install a 280 kilowatt photovoltaic system at Corte Madera and Ormondale schools in Portola Valley. The project is estimated to save \$83,973 annually, with a simple payback of 13 years. (ARRA funding.) Contact: Anne Fisher. (5 minutes.)

*Commissioner Byron moved and Vice Chair Boyd seconded approval of the loan to the Portola Valley School District. The vote was unanimous. (5-0)*

6. COUNTY OF ALAMEDA. Possible approval of a \$1,177,891 loan to the County of Alameda to install a 250 kilowatt photovoltaic system. The project will save the county approximately \$90,607 annually in reduced energy cost. Based on the loan amount, the simple payback is 13 years. (ARRA funding.) Contact: Adel Suleiman. (5 minutes)

*Commissioner Eggert moved and Vice Chair Boyd seconded approval of the loan to the County of Alameda. The vote was unanimous. (5-0)*

7. CITY OF FAIRFIELD. Possible approval of a \$3 million loan to the City of Fairfield to upgrade street lighting fixtures. The project will save the city approximately \$241,000 annually in reduced energy costs. Based on the loan amount, the simple payback is approximately 12.5 years. (ARRA funding.) Contact: Adel Suleiman. (5 minutes)

*Vice Chair Boyd moved and Commissioner Weisenmiller seconded approval of the loan to the City of Fairfield. The vote was unanimous. (5-0)*

8. COUNTY OF ALAMEDA. Possible approval of a \$285,000 loan to the County of Alameda to upgrade interior lighting systems at the Santa Rita Jail in Dublin. This will save the county approximately \$196,000 annually, with a simple payback of 1.5 years based on

the loan amount. (ECAA funding.) Contact: Adel Suleiman. (5 minutes)

*Vice Chair Boyd moved and Commissioner Byron seconded approval of the loan to the County of Alameda. The vote was unanimous. (5-0)*

9. COUNTY OF SACRAMENTO. Possible approval of a \$1,247,290 loan to the County of Sacramento for energy efficiency upgrades at the Rio Cosumnes Correctional Center. The projects consist of replacement of chiller, lighting and energy management system controls with more reliable and energy-efficient models. The upgrades will save the county an estimated 995,863 kilowatt hours and 2,845 therms annually, which is equivalent to \$113,392 in reduced energy cost with a simple payback of approximately 11 years based on the loan amount. (ECAA funding.) Contact: Amir Ehyai. (5 minutes)

*Vice Chair Boyd moved and Commissioner Byron seconded approval of the loan to the County of Sacramento, The vote was unanimous. (5-0)*

10. COUNTY OF NEVADA. Possible approval of a \$1,486,867 loan to the County of Nevada for replacement HVAC systems, HVAC controls, boilers, and lighting energy efficiency improvements in the Eric Rood Administration Center and Wayne Brown Correctional Facility in Nevada City. The upgrade will save the county approximately \$170,901 annually. Based on the loan amount, the simple payback is approximately 7.5 years. (ECAA funding.) Contact: Akasha Khalsa. (5 minutes)

*Commissioner Byron moved and Commissioner Eggert seconded approval of the loan to the County of Nevada. The vote was unanimous. (5-0)*

11. LOOMIS UNION SCHOOL DISTRICT. Possible approval of a loan term extension for the Loomis Union School District from the current completion date of February 10, 2010 until October 1, 2010; reduction of the interest rate to the current loan rate of 3% ; and that utility rate increases be reflected in a loan amount increase from \$651,370 to \$762,564. (ECAA funding.) Contact: Jane Heinz. (5 minutes)

*Commissioner Byron moved and Commissioner Eggert seconded approval of modifying the loan to the Loomis Union School District. The vote was unanimous. (5-0)*

12. PACIFIC GAS & ELECTRIC COMPANY. Possible approval of Contract 500-09-027 for \$2.8 million with Pacific Gas & Electric Company for 36 months to demonstrate a 28 megawatt-hour utility-scale sodium-sulfur battery energy storage system in California, and to conduct geological assessments for an advanced, underground compressed air energy storage system. (PIER electricity funding.) Contact: Pedro Gomez. (10 minutes)

*Vice Chair Boyd moved and Commissioner Byron seconded approval of Contract 500-09-027. The vote was unanimous. (5-0)*

13. SCRIPPS INSTITUTION OF OCEANOGRAPHY. Possible approval of Contract 500-09-025 for \$1.1 million with Scripps Institution of Oceanography to support the 2010 Scenarios Report to the Governor, research weather and climate change effects on wind energy production and address hydrological climate modeling uncertainty. (PIER electricity funding.) Contact: Guido Franco. (10 minutes)

*Vice Chair Boyd moved and Commissioner Byron seconded approval of Contract 500-09-025.*

*The vote was unanimous. (5-0)*

14. LAWRENCE BERKELEY NATIONAL LABORATORY. Possible approval of Contract 500-09-026 for \$3 million with Lawrence Berkeley National Laboratory to develop high-performance building glazing and façade systems that enable reliable, routine and cost-effective reductions in energy use and peak demand at the perimeter zone in commercial buildings. (PIER electricity funding.) Contact: Joseph Fleshman. (10 minutes)

*Vice Chair Boyd moved and Commissioner Byron seconded approval of Contract 500-09-026. The vote was unanimous. (5-0)*

15. C & G TECHNOLOGY SERVICES, INC.: Possible approval of Contract 09-409.00-016, for \$143,550 with C&G Technology Services, Inc. to develop and implement an internet-based version of the California Utility Allowance Calculator (CUAC). This contract will translate the current CUAC tool from a downloadable Microsoft Access-based application to an internet-based application to improve the quality and professionalism of the CUAC estimates, collect data on existing and proposed affordable housing projects, and maximize the market penetration of CUAC. (RRTF funding.) Contact: Adrian Ownby. (5 minutes)

*Commissioner Weisenmiller moved and Commissioner Eggert seconded approval of Contract 09-409.00-016. The vote was unanimous. (5-0)*

16. OFFICE OF INSPECTOR GENERAL. Possible approval for a no-cost interagency agreement with the Office of the Inspector General to provide services related to review, audits and investigations regarding recipients of American Recovery and Reinvestment Act of 2009 (ARRA) funds received through the Energy Commission. Contact: Pat Perez. (5 minutes)

*Commissioner Byron moved and Commissioner Eggert seconded approval of the agreement with the Office of Inspector General. The vote was unanimous. (5-0)*

17. NEW SOLAR HOMES PARTNERSHIP (NSHP) GUIDEBOOK. Possible adoption of the Renewables Committee's proposed revisions to NSHP Guidebook. The Guidebook is the Energy Commission's part of the California Solar Initiative, and provides criteria and instructions on how to apply for financial incentives for solar systems on new residential dwelling units. Contact: Tony Goncalves. (5 minutes)

*Vice Chair Boyd moved and Commissioner Byron seconded approval of the proposed revisions. The vote was unanimous. (5-0)*

18. WASTE HEAT AND CARBON EMISSION REDUCTION ACT GUIDELINES. Possible adoption of combined heat and power systems guidelines under the Waste Heat and Carbon Emission Reduction Act, Public Utilities Code, Section 2840 et. seq. These guidelines are proposed by the Energy Commission Electricity and Natural Gas Committee and establish the technical, legal, and reporting requirements that new combined heat and power systems no larger than 20 megawatts must meet to be certified to sell excess electricity to an electric corporation or a publicly owned electric utility. Contact: Art Soinski. (15 minutes)

*Commissioner Byron moved and Vice Chair Boyd seconded approval of the Guidelines. The vote was unanimous. (5-0)*

19. **Minutes:** Approval of the January 13, 2010, Business Meeting Minutes.

*Vice Chair Boyd moved and Commissioner Byron seconded approval of the Minutes. The vote was 3-0-2. Commissioners Weisenmiller and Eggert abstained.*

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

21. **Chief Counsel's Report:** None.

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

23. **Public Adviser's Report:** None.

24. **Public Comment:** Mr. George Nesbitt of CalHERS appeared.

25. **Internal Organization and Policy.** Chairman Douglas announced that the Commission would recess the meeting and continue it at 1:45 today to discuss Resolution training currently taking place at the Energy Commission for all staff.

**Appearances:**

Mr. George Nesbitt, Environmental Design/Build,  
Lucy Bosworth, CB Rebate Consultants  
Mr. Manual Alvarez, Southern California Edison  
Mr. Mark Krause, Pacific Gas and Electric Company  
Ms. Evelyn Kahl, Energy Producers and Users Coalition  
Mr. Joseph Stagner  
Mr. Gordon Judd, NRG  
Mr. Keith Davison, DE Solutions

There being no further business, the meeting was recessed at 1:25 p.m. and continued at 1:45 p.m. for the discussion of Item 25, immediately following which the meeting was adjourned.

Respectfully submitted,

HARRIET KALLEMEYN  
Secretary to the Commission