



**February 18, 2014**

1516 Ninth Street  
Hearing Room A – First Floor  
Sacramento, California 95814

**10 a.m.**

(Wheelchair Accessible)

**THE COMMISSION WILL CONSIDER THE FOLLOWING ITEMS:**

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. UNIVERSITY OF CALIFORNIA, BERKELEY. Possible approval of a \$10,000 co-sponsorship and use of the Energy Commission's name and logo for the 19th Annual 2014 POWER Conference sponsored by University of California, Berkeley Haas School of Business and co-sponsored by the California Public Utilities Commission, the California Independent System Operator, numerous utilities, and some private corporations. The purpose is to bring together outstanding scholars and practitioners from around the world to exchange ideas and research results on topics related to electricity markets and regulation. (ERPA funding) Contact: Mike Jaske.
  - b. BEVILACQUA-KNIGHT, INC. Possible adoption of a resolution approving Agreement 600-13-006 with Bevilacqua-Knight, Inc. (BKI), for an \$87,800 one-year membership in the California Fuel Cell Partnership (CaFCP). BKI facilitates and coordinates the efforts of the CaFCP, including operational, financial, and project management. In addition to membership (participation in the Working Group, Station Implementation Group, and committees), the Energy Commission will have a seat on the CaFCP's Steering Committee. (ARFVTP funding) Contact: Jennifer Masterson.
  - c. CALIFORNIA ENERGY DEMAND 2014-2024 FINAL FORECAST. Consideration and possible adoption of minor revisions to the adopted California Energy Demand 2014 – 2024 Final Forecast and the 2013 Integrated Energy Policy Report to reflect correction of a spreadsheet error affecting the incremental demand response forecasts for Pacific Gas and Electric Company and Southern California Edison Company planning areas. Specifically, the corrections are in Tables ES-1, 1, 8 and A-1 of Volume 1 and Tables 1, 6, 8, and 13 in Volume 2 of the California Energy Demand 2014-2014 Final Forecast and Tables 6, 9, and 11 in the 2013 Integrated Energy Policy Report. Contact: Chris Kavalec.
2. ENERGY COMMISSION COMMITTEE APPOINTMENTS. Possible approval of appointments to the Energy Commission's Standing Committees and Siting Case Committees. Contact: Kevin Barker. (5 minutes)

3. ALAMITOS ENERGY CENTER (13-AFC-01). Contact: Keith Winstead. (10 minutes)
  - a. Commission consideration of the Executive Director's data adequacy recommendation for the Alamitos Energy Center (AEC). The proposed AEC is a natural gas-fired, combined-cycle, air cooled, 1,936-megawatt electrical generating facility that would be constructed on the site of, and eventually replace, the 1,950-megawatt Alamitos Generating Station in the City of Long Beach, Los Angeles County, California.
  - b. Possible appointment of a siting committee for the Alamitos Energy Center.
4. MALBURG GENERATION STATION PROJECT (01-AFC-25C). Possible approval of a Petition to modify air quality conditions of certification AQ-6 and AQ-7 to allow additional daily startups and shutdowns and to increase the maximum allowable time for startup to accommodate the annual maintenance of the turbines pursuant to South Coast Air Quality Management District Hearing Board requirements. Contact: Joseph Douglas. (10 minutes)
5. COMPLAINT AGAINST BOTTLE ROCK GEOTHERMAL POWER PLANT (12-CAI-04). Consideration of the appeal of the Committee Decision Sustaining the Complaint Against the Bottle Rock Geothermal Power Plant filed by David Coleman, including the Request to Withdraw Appeal of the Committee's Decision Sustaining Coleman Complaint and Close the Complaint Proceeding filed by Bottle Rock Power LLC and the matter of a potential penalty referred to the full Commission by the Committee Decision. The project is a geothermal electricity generating facility with a permitted generating capacity of 55-megawatts located in Cobb, California, in the Geysers Known Geothermal Resource Area of Lake County. Contact: Paul Kramer. (30 minutes)
6. ENERGYPRO VERSION 6.1 RESIDENTIAL COMPLIANCE SOFTWARE. Possible approval of EnergyPro 6.1 as an alternative calculation method for demonstrating performance compliance with the residential provisions of the 2013 Building Energy Efficiency Standards (Cal. Code Regs., tit. 24, pt. 6, and pt. 1, ch. 10 [assoc. admin. regs.]), and rescinding approval of Version 6.0. (Public Resources Code § 25402.1(b); Cal. Code Regs., tit. 24, pt. 1, ch. 10, §§ 10-109, 10-110). Among other improvements, Version 6.1 incorporates compliance analysis for residential additions and alterations. Contact: Martha Brook. (5 minutes)
7. APPLIANCE EFFICIENCY REGULATIONS (Docket 13-AAER-1). Possible approval of a resolution adopting proposed updates to the Energy Commission's Appliance Efficiency Regulations, Title 20, Sections 1601 – 1608 of the California Code of Regulations and a finding that the proposed updates are exempt from the California Environmental Quality Act. The majority of the proposed changes reflect updates to federal standards that have occurred over the last several years and are not new regulations. Other changes include correcting errors in text and formatting, removing obsolete language, ensuring conformance with existing building and industry definitions relating to LED lamps, modifying the definition of "manufacturer" to provide greater compliance flexibility, simplifying third party authorizations and submission procedures, and correcting the omission of forklift battery chargers. Contact: Harinder Singh. (10 minutes)
8. THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, CIEE. Possible approval of a resolution approving three grant applications from the 2013 Enabling Technologies

Development Solicitation 13-02 under Contract 500-01-043 with the Regents of the University of California, on behalf of the California Institute for Energy and the Environment. The two solicitation areas targeted research efforts for distribution grid and smart homes for a total of \$997,220. (PIER electricity funding) Contact: Matt Fung. (5 minutes)

- a. Distribution Grid Research Area
    - i) Regents of the University of California on behalf of the Los Angeles Campus, *Control of Networked Electric Vehicles to Enable a Smart Grid with Renewable Resources*, \$400,000. The research will aggregate plug-in electric vehicles into a network on the distribution grid to provide enhanced peak power support for renewable generation management and energy storage to increase power quality, grid stability, and reliability.
  - b. Smart Home Research Area
    - i) Regents of the University of California on behalf of the Irvine Campus, *Smart Power for the Smart Home: Inverter Connections, Power Factor Corrections, and Peak Reductions*, \$397,288. This research will develop a power factor-correcting photovoltaic inverter that can adjust the power factor to balance the peak power consumption at the load to provide greater grid stability. A poor power factor results in efficiency loss when voltage and current are out of phase. The inverter will be tested at a zero net energy home to provide baseline input for peak load reduction simulations.
    - ii) California State University, San Diego, *Enabling Real-Time Residential Pricing with Closed Loop Customer Feedback*, \$199,932. This research will develop a closed-loop, real-time customer feedback and cloud-based pricing control method to more accurately forecast electricity loads. Forecast data will be reconciled with real power consumption to provide better real-time pricing information for the utility ratepayer.
9. THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, DAVIS. Possible adoption of a resolution approving Agreement 500-13-005 with The Regents of the University of California, on behalf of the Davis Campus, for a \$300,000 contract to improve an airborne system for detection of leaks from natural gas transmission pipelines. (PIER natural gas funding) Contact: Simone Brant. (5 minutes)
  10. CALIFORNIA AIR RESOURCES BOARD. Possible adoption of a resolution approving Agreement 500-13-006 with the California Air Resources Board (ARB), for a \$400,000 contract to identify constituents of concern that may be found in California biogas that may be put into the natural gas pipeline and could pose risks to human health. ARB will provide \$400,000 in co-funding for this project. (PIER natural gas funding) Contact: Marla Mueller. (5 minutes)
  11. **Minutes:**
    - a. Possible approval of the January 15, 2014, Business Meeting Minutes.
    - b. Possible approval of the January 17, 2014, Offsite Meeting Minutes.
  12. **Lead Commissioner or Presiding Member Reports.** A Lead Commissioner on a policy matter may report to the Commission on the matter and discussion may follow. A Presiding Member on a delegated committee may report to the Commission on the matter and discussion may follow.

13. **Chief Counsel's Report:** The Energy Commission may adjourn to closed session with its legal counsel [Government Code Section 11126(e)] to discuss any of the following matters to which the Energy Commission is a party:
- a. *In the Matter of U.S. Department of Energy (High Level Waste Repository)*, (Atomic Safety Licensing Board, CAB-04, 63-001-HLW).
  - b. *Rick Tyler, et al v. Governor of California, Edmund G. Brown, Jr., et al.* (Alameda County Superior Court, RG12619687).
  - c. *Asphalt Roofing Manufacturers Association v. California Energy Commission* (Sacramento County Superior Court, 34-2012-80001195).
  - d. California Independent System Operator Corporation (Federal Energy Regulatory Commission, Docket No. ER12-2634).
  - e. *PECG v. Brown*, Alameda County Superior Court Case Nos: RG10494800 et al. (Furlough Litigation).
  - f. *American Public Gas Association v. U.S. Department of Energy*, Case No. 11-1485 (9<sup>th</sup> Cir. Dec. 23, 2011).
  - g. *California State Energy Resources Conservation and Development Commission v. SoloPower, Inc. and SPower, LLC.* (Sacramento County Superior Court, Case No. 34-2013-00154569).

The Energy Commission may also discuss any judicial or administrative proceeding that was formally initiated after this agenda was published; or determine whether facts and circumstances exist that warrant the initiation of litigation; or that constitute a significant exposure to litigation against the Commission.

14. **Executive Director's Report.**

15. **Public Adviser's Report.**

16. **Public Comment:** People may speak up to three minutes on any matter concerning the Energy Commission, with the exception of items appearing elsewhere on this agenda or items related to pending adjudicative (certification or enforcement) proceedings.

If you require special accommodations, contact Lourdes Quiroz at 916-654-5146, five days before the meeting.

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**Adjournment of Hearings and Meetings:** Depending upon time available and the orderly management of proceedings, the Commission may order adjournment (recess or postponement) of any noticed hearing or meeting, to be continued to the next day, another specific date or time, or to the next business meeting, as appropriate. Any such adjournment will be noticed at the time the order of adjournment is made (Government Code §§11128.5, 11129).