



January 14, 2015

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

10 a.m.

(Wheelchair Accessible)

THE COMMISSION WILL CONSIDER AND MAY TAKE ACTION ON THE FOLLOWING ITEMS:

1. **ENERGY COMMISSION COMMITTEE APPOINTMENTS.** Possible approval of appointments to the Energy Commission's Standing Committees and Siting Case Committees. Contact: Kevin Barker. (Staff presentation: 5 minutes)
2. **EL SEGUNDO ENERGY CENTER (ESEC) (00-AFC-14C).** Possible approval of ESEC's Petition to Amend the Air Quality conditions of certification for Units 5 & 7. The proposed changes clarify turbine startup/restart definitions and include additional administrative changes related to commissioning, initial operation and initial testing. The proposed changes will not affect ESEC's emissions limits nor the 60-minute startup duration specified in the conditions of certification. Contact: Camille Remy-Obad. (Staff presentation: 10 minutes)
3. **CALIFORNIA ENERGY DEMAND UPDATED FORECAST, 2015-2025.** Consideration and possible adoption of the *California Energy Demand Updated Forecast, 2015-2025*. The staff report presents updated baseline forecasts of electricity consumption and peak demand for California and for utility planning areas within the state. The forecast update incorporates more recent economic/demographic assumptions and an additional year of historical data but does not include updates for demand-side programs, such as additional achievable energy efficiency. The adopted forecast update will be used in a number of planning proceedings, including the California Independent System Operator's transmission planning and the California Public Utilities Commission's long-term procurement planning. Contact: Chris Kavalec. (Staff presentation: 15 minutes)
4. **LINDE LLC.** Proposed resolution approving Agreement ARV-14-032 with Linde LLC for a \$300,000 grant to fund operation and maintenance costs for the hydrogen refueling station located at 1515 South River Road, West Sacramento, CA and gather data about the station. (ARFVTP funding) Contact: Sarah Williams. (Staff presentation: 5 minutes)
5. **UNITED STATES GENERAL SERVICES ADMINISTRATION.** Proposed resolution approving Agreement 600-14-004 with the United States General Services Administration for a \$600,000 contract to install a minimum of 50 electric vehicle charging stations (EVCS) in at least 10 existing federal facilities in California for plug-in electric vehicles. The EVCS will be available for federal fleet vehicles. (ARFVTP funding) Contact: Jennifer Allen. (Staff presentation: 5 minutes)

6. THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, IRVINE. Proposed resolution approving Agreement 600-14-006 with The Regents of the University of California for a \$11,192,233 contract to administer a natural gas vehicle incentive project and perform data collection and analysis of the benefits that these incentives may provide to California. \$10,187,000 of this contract will be utilized for incentives that will directly support the deployment of natural gas vehicles in California. (ARFVTP funding) Contact: Andre Freeman. (Staff presentation: 5 minutes)
7. MODOC JOINT UNIFIED SCHOOL DISTRICT. Proposed resolution approving Agreement GEO-14-002 with Modoc Joint Unified School District for a \$3,155,759 grant to expand the existing geothermal heating system at Modoc High School to include two additional schools and the public pool in the City of Alturas. The project will include drilling an injection well to manage the geothermal fluids. The expanded geothermal heating system is projected to save the school district over \$4.2 million in fuel and electricity costs over 25 years. (GRDA funding) Contact: Cheryl Closson. (Staff presentation: 5 minutes)
8. COUNTY OF MODOC. Proposed resolution approving Agreement GEO-14-003 with the County of Modoc for a \$1,129,619 grant to conduct geothermal resource assessments and exploratory drilling in the Surprise Valley Hot Springs area; install and demonstrate a small geothermal distributed energy unit to generate electricity at Surprise Valley Hot Springs Resort; and conduct a geothermal economic feasibility and market analysis to provide information that can be used in future planning for expanded geothermal development in the area. The geothermal distributed energy unit is anticipated to offset the electrical load of the Surprise Valley Hot Springs Resort and save the resort over \$10,000 per year in electricity costs. (GRDA funding) Contact: Cheryl Closson. (Staff presentation: 5 minutes)
9. CITY OF SAN MATEO. Proposed resolution approving Agreement 002-14-ECD with the City of San Mateo for a \$3,000,000 loan at one percent interest to replace 5,047 streetlight fixtures with LED technology. The project is estimated to reduce annual energy consumption by 2,112,291 kWh of electricity and save the city approximately \$268,789 per year in reduced utility expenses. The total project cost is estimated to be \$3,322,213 of which the city anticipates receiving \$403,925 in utility incentives. The simple payback on the Energy Commission loan amount is 11.2 years. (ECAA funding) Contact: Amir Ehyai. (Staff presentation: 5 minutes)
10. CITY OF MORRO BAY. Proposed resolution approving Agreement 003-14-ECD with the City of Morro Bay for a \$562,000 loan at one percent interest to replace 14 package heating, ventilating and air conditioning units, install programmable thermostats, and install four single-axis tracking solar photovoltaic systems. The project is estimated to reduce annual energy consumption by 320,690 kWh of electricity and save the city approximately \$35,672 per year in utility expenses. The total project cost is estimated to be \$562,000 and will be fully funded by the Energy Commission loan at one percent interest. Simple payback on the loan amount is 16 years. (ECAA funding) Contact: Amir Ehyai. (Staff presentation: 5 minutes)
11. ASPEN ENVIRONMENTAL GROUP. Proposed resolution approving Amendment 5 to Contract 700-08-001 with Aspen Environmental Group to augment the agreement by \$6,870,000 and extend the term by 12 months to complete the Final Desert Renewable Energy Conservation Plan (DRECP) Environmental Impact Report and Environmental Impact Statement (EIR/EIS) and prepare for DRECP implementation. (ERPA and federal funding) Contact: Joseph Merrill (Staff presentation: 5 minutes)

12. **Minutes:** Possible approval of the December 10, 2014, Business Meeting Minutes.
13. **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.
14. **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. *Asphalt Roofing Manufacturers Association v. Energy Commission* (Third District Court of Appeal # C076990).
 - b. *In the Matter of U.S. Department of Energy (High Level Waste Repository)*, (Atomic Safety Licensing Board, CAB-04, 63-001-HLW).
 - c. *PECG v. Brown* (Alameda County Superior Court # RG10494800 [Furlough Litigation].)
 - d. *Communities for a Better Environment and Center for Biological Diversity v. Energy Commission* (Court of Appeal, First Appellate District, # A141299).
 - e. *Energy Commission v. SoloPower, Inc. and SPower, LLC.* (Sacramento County Superior Court # 34-2013-00154569)
 - f. *Laborers' International Union of North America, Local #1184 v. Energy Commission (Blythe Solar Energy Center)*, (Supreme Court # S220286).

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.

15. **Executive Director's Report.**
16. **Public Adviser's Report.**
17. **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.

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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).