



November 9, 2016

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

10 a.m.

(Wheelchair Accessible)

THE COMMISSION WILL CONSIDER AND MAY TAKE ACTION ON 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. NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS (NASEO). Proposed resolution approving Agreement 160-16-001 with NASEO for a \$22,492 contract to formalize the Energy Commission's membership in NASEO. This one-year membership allows the Energy Commission staff to connect with key policy and decision makers, officials from other state and territorial energy offices, and affiliates from the private and public sectors. The membership also provides a forum to exchange information, ideas and resources, and to learn about new funding and partnership opportunities. (ERPA funding) Contact: Gretchen Kocinsky.
 - b. SOUTHERN CALIFORNIA GAS COMPANY'S (SoCalGas) REQUEST TO USE THE DATA COLLECTION AND ANALYSES COMPLIANCE OPTION. Proposed resolution approving SoCalGas's request to use the data collection and analyses compliance option under California Code of Regulations, Title 20, Section 1343(f), which allows utilities to participate in certain research projects, including the California Commercial End-Use Survey (CEUS), in lieu of completing the survey plans, surveys, and reports described in California Code of Regulations, Title 20, Sections 1343 (b)-(e). SoCalGas has requested to participate in the CEUS. Contact: Sylvia Bender.
 - c. PROSPECT SILICON VALLEY. Proposed resolution approving Amendment 1 to Grant Agreement EPC-14-083 with Prospect Silicon Valley to change a subcontractor and to make the related revisions to the budget, schedule, and scope of work. The Energy Commission reimbursable amount and the term of the agreement will not change under this amendment. Contact: Angela Gould.
 - d. GEOTHERMAL RESOURCES COUNCIL. Proposed resolution approving Agreement 500-16-003 with Geothermal Resources Council for a \$4,550 contract for a 2-year Sustaining membership. The Sustaining membership includes four seats/memberships to the Geothermal Resources Council. (GRDA funding) Contact: Natalie Lee.

2. 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)
3. CITY OF GLENDALE. Proposed order approving the Executive Director's recommendation that the City of Glendale's Second Amendatory Power Sales Contract for the procurement of natural gas-fired combined cycle energy with Intermountain Power Agency be found compliant with the Emissions Performance Standard for Local Publicly Owned Electric Utilities pursuant to Senate Bill 1368 (California Code of Regulations, Title 20, Sections 2900-2913). Contact: Michael Nyberg. (Staff presentation: 5 minutes)
4. CITY OF PASADENA. Proposed order approving the Executive Director's recommendation that the City of Pasadena's Second Amendatory Power Sales Contract for the procurement of natural gas-fired combined cycle energy with Intermountain Power Agency be found compliant with the Emissions Performance Standard for Local Publicly Owned Electric Utilities pursuant to Senate Bill 1368 (California Code of Regulations, Title 20, Sections 2900-2913). Contact: Michael Nyberg. (Staff presentation: 5 minutes)
5. CITY AND COUNTY OF SAN FRANCISCO. Proposed resolution approving the city and county of San Francisco's locally adopted building energy standards to require greater energy efficiency than the 2016 Building Energy Efficiency Standards. The standards require that all newly constructed buildings of residential occupancy of 10 floors or less, as well as newly constructed buildings of nonresidential occupancy of 10 floors or less and greater than 2000 square feet in gross floor area install solar photovoltaic systems or solar thermal systems in the solar ready zone defined by the California Code of Regulations, Title 24, Part 6, Section 110.10. Contact: Ingrid Neumann. (Staff presentation: 5 minutes)
6. ASSEMBLY BILL 1110 (AB 1110) IMPLEMENTATION RULEMAKING. Proposed Order Instituting Rulemaking to modify regulations governing the Power Source Disclosure Program, California Code of Regulations, Title 20, Section 1390 et seq. The rulemaking proceeding would consider changes to implement recently adopted AB 1110 (Ting, chapter 656, Statutes of 2016). Contact: Kevin Chou. (Staff presentation: 5 minutes)
7. PROPOSED ADOPTION OF THE GUIDELINES FOR CALIFORNIA'S SOLAR ELECTRIC INCENTIVE PROGRAMS (SENATE BILL 1), SIXTH EDITION. Proposed resolution adopting updated Guidelines for California's Solar Electric Incentive Programs (Senate Bill 1, Murray, Statutes of 2006) (SB 1). SB 1 established the framework for the California Solar Initiative (CSI), which directs the Energy Commission to develop eligibility criteria, conditions for incentives, and rating standards that must be met to qualify for ratepayer-funded incentives. The New Solar Homes Partnership (NSHP), administered by the Energy Commission, is the only remaining active program under the CSI. The NSHP provides incentives for solar on new residential buildings and was recently reauthorized for the remainder of its legislatively allocated funding. The SB 1 Guidelines are being updated to respond to the extension of the NSHP, and to address updated energy efficiency standards and a maturing solar industry. Contact: James Folkman. (Staff presentation: 5 minutes)
8. WATERFORD UNIFIED SCHOOL DISTRICT. Proposed resolution approving Agreement 002-16-ECG for an ECAA-Ed funded loan of \$708,227 at zero percent interest to the Waterford Unified School District located in Stanislaus County. The loan finances energy efficiency projects at two district schools involving exterior lighting and interior lighting including control retrofits. Based on the loan amount and estimated annual energy cost savings, the simple payback is 15 years. The project benefits include

energy savings of 375,000 kWh of electricity annually, reducing approximately 129 tons of greenhouse gas emissions, and saving the district an estimated \$47,241 in utility costs annually. (ECAA-Ed funding) Contact: Ron Yasny. (Staff presentation: 5 minutes)

9. BDP TECHNOLOGIES, LLC. Proposed resolution approving Agreement EPC-16-018 with BDP Technologies, LLC for a \$1,565,400 grant to demonstrate a Biological Double-Efficiency Process as an advanced wastewater treatment method that takes place in a single bioreactor resulting in substantial energy and water savings and improved nutrient removal rate. (EPIC funding) Contact: Michael Lozano. (Staff presentation: 5 minutes)
10. PACIFIC NORTHWEST NATIONAL LABORATORY. Proposed resolution approving Amendment 1 to Contract 600-15-014 with the Pacific Northwest National Laboratory (PNNL) operated by the Battelle Memorial Institute for the U.S. Department of Energy to increase the budget by \$221,333 for a new total of \$442,666 to increase the number of hydrogen fueling station safety plans to be reviewed by PNNL's Hydrogen Safety Panel. (ARFVTP funding) Contact: Christopher Jenks. (Staff presentation: 5 minutes)
11. SANGER UNIFIED SCHOOL DISTRICT. Proposed resolution approving Agreement ARV-16-004 with Sanger Unified School District (SUSD) for a \$500,000 grant to install and operate a compressed natural gas (CNG) fast-fill fueling station at its transportation facility. The station will increase the District's ability to refuel its current CNG school buses and allow the District to expand its CNG vehicle fleet. The new CNG fueling facility will include a fuel management card reader system, making it possible for other districts and outside public entities to utilize the station. (ARFVTP funding) Contact: Taiying Zhang. (Staff presentation: 5 minutes)
12. DISCUSSION OF ENERGY COMMISSION PROGRESS RE IMPLEMENTATION OF THE CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015 (SB 350). Staff presentation and Commissioner discussion regarding Energy Commission progress on and planned actions for implementation of SB 350 requirements, including administration of the California Renewables Portfolio program, review of local publicly owned electric utility integrated resource plans, revision of Commission data collection regulations to improve demand forecasting, identification of progress in meeting the Bill's goals of 50% renewables procurement and doubling of energy efficiency, implementation of widespread transportation electrification, and preparation and publication of the study required by Public Resources Code section 25327 regarding barriers for low-income customers to energy efficiency and weatherization investments. Contact: Michael Sokol. (Staff presentation: 5 minutes)
 - a. BARRIERS STUDY UPDATE. Senate Bill 350 identifies that there is an insufficient understanding of the barriers for low-income and disadvantaged communities to access energy efficiency investments, solar photovoltaic energy generation, weatherization, other forms of renewable generation, and contracting opportunities. Energy Commission staff are working to complete a study to be published by January 1, 2017 that identifies barriers and recommends solutions to overcome those barriers. Contact: Alana Mathews. (Staff presentation: 5 minutes)
 - b. ENERGY ANALYSIS AND DATA COLLECTION ACTIVITIES. Update on the progress to implement an Energy Data Lake as a possible solution for the Energy Commission's continued need to collect and analyze large amounts of data from various sources. The Energy Data Lake can provide the Energy Commission with analytical capabilities to easily manage large amounts of disparate data to more effectively perform analysis, decision-making, and

information reporting activities to achieve the goals of SB 350. Contact: Christine Awtry. (Staff presentation: 5 minutes)

13. **Minutes:** Possible approval of the October 19, 2016 Business Meeting minutes.
14. **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.
15. **Chief Counsel's Report:** Pursuant to Government Code section 11126(e), the Energy Commission may adjourn to closed session with its legal counsel 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. *Communities for a Better Environment and Center for Biological Diversity v. Energy Commission* (Court of Appeal, First Appellate District, # A141299).
 - c. *Energy Commission v. SoloPower, Inc. and SPower, LLC*. (Sacramento County Superior Court # 34-2013-00154569)
 - d. *Energy Commission v. Mendota Bioenergy, LLC*. (Sacramento County Superior Court #34-2016-00192835)
 - e. Matter pending with the Department of Industrial Relations.Pursuant to Government Code section 11126(e), 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, which might include:
 - a. Claims filed at, and rejected by, the Victim Compensation and Government Claims Board against a number of defendants including the Energy Commission relating to the gas leak at Aliso Canyon.
 - b. Grant ARV-11-012 with Electricore, Inc.
16. **Executive Director's Report.**
17. **Public Adviser's Report.**
18. **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).