



**December 9, 2015**

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. SYCAMORE COGENERATION PROJECT (84-AFC-6C). Proposed order approving the petition to transfer the ownership of the Sycamore Cogeneration project, from Sycamore Cogeneration Company to Chevron Power Holdings Inc. Contact: Mary Dyas.
  - b. KERN RIVER COGENERATION PROJECT (82-AFC-2C). Proposed order approving the petition to transfer the ownership of the Kern River Cogeneration project, from Kern River Cogeneration Company to Chevron Power Holdings Inc. Contact: Mary Dyas.
  - c. SIMERGY V2.0. Proposed resolution approving Simergy Version 2.0, by Digital Alchemy, Inc., as an alternative calculation method for demonstrating performance compliance with the nonresidential provisions of the 2013 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Part 6, and associated administrative regulations in Part 1, Chapter 10 (Standards). (Cal. Code Regs., tit. 24, §§ 10-109 (c)2). Contact: RJ Wichert.
  - d. ENERGY ANALYSIS AND COMFORT SOLUTIONS INC (EACS). Proposed resolution approving the request from EACS President, Max McKinney to be decertified as a Home Energy Rating System (HERS) Provider for field verification and diagnostic testing to show compliance with the 2013 Building Energy Efficiency Standards for Prescriptive residential HVAC Alterations and the EACS HERS Data Registry as a residential data registry. Contact: Suzie Chan.
  - e. BIENNIAL AMENDMENTS TO CONFLICT OF INTEREST CODE. Proposed resolution approving proposed amendments to the Energy Commission's conflict of interest code, at Title 20, California Code of Regulations, Sections 2401 and 2402. The resolution authorizes the initiation of a public comment period on the proposed amendments and submission of the proposed amendments to the FPPC for approval per the Political Reform Act. The conflict of interest code specifies which employees must file an annual Form 700 Statement of Economic Interests, and which interests they must report. The Political Reform Act requires state agencies

to review and update their Conflict of Interest Codes every two years. Contact: Jennifer Martin-Gallardo.

- f. WESTERN INTERSTATE ENERGY BOARD. Proposed resolution approving Agreement 150-15-003 with the Western Interstate Energy Board (WIEB) for a \$54,000 contract for the Energy Commission's membership in WIEB to fulfill the State's obligations under the Western Interstate Nuclear Compact, as set forth in Government Code Sections 67400, 67401. Membership dues are \$18,000 annually. This contract would cover FYs 15-16, 16-17, and 17-18. (ERPA funding) Contact: Clare Laufenberg Gallardo.
- g. NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS. Proposed resolution approving Agreement 200-15-006 with National Association of State Energy Officials (NASEO) for a \$21,894.00 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, and officials from other state and territorial energy offices, and affiliates from the private and public sectors. The membership also provides a forum for exchanging information, ideas and resources, and to learn about new funding and partnership opportunities. (ERPA funding) Contact: Rachel Grant-Kiley.
2. ENERGY COMMISSION COMMITTEE APPOINTMENTS. Proposed approval of appointments to the Energy Commission's Standing Committees and Siting Case Committees. Contact: Kevin Barker. (5 minutes)
3. COLUSA GENERATING STATION (06-AFC-09). Proposed order approving the petition to amend the Energy Commission Decision. The modifications in the petition would make consistent the Energy Commission Air Quality Conditions of Certification and the Conditions contained in the Federal Title V Operating Permit issued by the Colusa County Air Pollution Control District. The Title V Permit contains new administrative requirements and a reorganized condition structure, but does not make changes to any emission limits, technology, or equipment. Contact: Eric Veerkamp. (Staff presentation: 5 minutes)
4. MENDOTA BIOENERGY, LLC. Proposed order terminating agreement ARV-12-033 with Mendota Bioenergy, LLC. Staff is recommending termination with cause pursuant to agreement term and condition Section 13.a. (ARFVTP funding) Contact: John Butler. (Staff presentation: 10 minutes)
5. APPLIANCE EFFICIENCY STANDARDS FOR KITCHEN FAUCETS, TUB SPOUT DIVERTERS AND SHOWERHEADS—HEARING AND POSSIBLE ADOPTION OF REGULATIONS (15-AAER-07). Proposed resolution approving amendments to the Appliance Efficiency Regulations in Title 20 of the California Code of Regulations relating to energy and water efficiency standards for kitchen faucets, tub spout diverters and showerheads. The proposal is under the emergency rulemaking authority granted by Governor Brown in Executive Order B-29-15. The proposed standards would limit the scope to kitchen faucets that are consumer products, clarify the tub spout diverter test method and update the minimum flow rate standard for showerheads. Contact: Sean Steffensen. (Staff presentation: 10 minutes)
6. LAMONT PUBLIC UTILITY DISTRICT. Proposed resolution approving Agreement 005-15-ECD with the Lamont Public Utility District for a \$2,580,767 loan at one percent interest to install a 1,006.5 kW DC ground mounted single-axis tracking solar PV system at the District wastewater treatment plant. The project is estimated to generate 1,857,941 kWh of electricity annually and reduce the District's yearly utility expense by \$271,866.

The project will be fully funded by the Energy Commission loan. The simple payback on the loan amount is 9.5 years. (ECAA Program funding) Contact: Amir Ehyai. (Staff presentation: 5 minutes)

7. OROVILLE UNION HIGH SCHOOL DISTRICT. Proposed resolution approving Agreement 005-15-ECG with the Oroville Union School District for a \$2,800,000 loan at zero percent interest to install 839 kW roof and parking structure mounted photovoltaic (PV) panels at Oroville High and Las Plumas High Schools. On completion, the project will reduce about 1,357,662 kWh of grid electricity consumption annually saving the District about \$302,534 in utility costs. In addition, the project will reduce about 468 tons of carbon dioxide equivalent (CO<sub>2</sub>e) GHG emissions every year. Based on the loan amount, the simple payback is 9.3 years. (ECAA-Ed Program funding) Contact: Shahid Chaudhry. (Staff presentation: 5 minutes)
8. LIGHTSAIL ENERGY. Proposed resolution approving Agreement EPC-15-011 with LightSail Energy for a \$1,200,276 grant to accelerate commercialization of Isothermal Compressed Air Energy Storage (I-CAES) technology. LightSail Energy will pilot test an I-CAES system for use in integrating renewable energy and providing grid support. (EPIC funding) Contact: David Chambers. (Staff presentation: 5 minutes)
9. KENNEDY/JENKS CONSULTANTS, INC. Proposed resolution approving Agreement EPC-15-012 with Kennedy/Jenks Consultants, Inc., for a \$1,167,034 grant to demonstrate a technology that directly measures the colloidal particles in treated wastewater before being further processed in water reclamation facilities. This technology will help reduce energy use and operating costs by minimizing membrane fouling at the water reclamation facility. (EPIC funding) Contact: Paul Robinson. (Staff presentation: 5 minutes)
10. SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. Proposed resolution approving Agreement 500-15-002 with the South Coast Air Quality Management District for a \$2,000,000 contract to conduct on-road, in-use emission and fuel usage testing for heavy duty natural gas vehicles. (PIER natural gas funding) Contact: Matt Fung. (Staff presentation: 5 minutes)
11. NATURAL GAS FUELING INFRASTRUCTURE, PON-14-608. This solicitation sought proposals from school districts and other public entities for projects that establish or expand infrastructure necessary to store, distribute and dispense compressed natural gas (CNG) for use in natural gas vehicles. (ARFVTP funding) Contact: Tami Haas. (Staff presentation: 10 minutes)
  - a. KERN COUNTY SUPERINTENDENT OF SCHOOLS. Proposed resolution approving Agreement ARV-15-019 with Kern County Superintendent of Schools for a \$500,000 grant to expand infrastructure necessary to store, distribute and dispense compressed natural gas for use in natural gas vehicles and to also purchase a mobile CNG refueling trailer to refuel vehicles in remote areas that serve County school districts and communities.
  - b. KINGS CANYON UNIFIED SCHOOL DISTRICT. Proposed resolution approving Agreement ARV-15-020 with Kings Canyon Unified School District for a \$500,000 grant to install a natural gas fuel dispenser at the Central Valley Transportation Center. The Central Valley Transportation Center combines current daily operations of the District transportation facilities and the City of Reedley's Public Works Department in one facility.
  - c. LAS GALLINAS VALLEY SANITARY DISTRICT. Proposed resolution approving Agreement ARV-15-038 with Las Gallinas Valley Sanitary District for a \$250,000 grant to install a single dispenser, fast fill natural gas fueling station at their wastewater treatment facility in San Rafael, CA.

12. HYDROGEN REFUELING INFRASTRUCTURE, PON-13-607. This solicitation had two goals: 1) to develop infrastructure necessary to dispense hydrogen transportation fuel; and 2) to provide needed Operation and Maintenance (O&M) funding to support hydrogen fueling operations prior to the large-scale roll-out of Fuel Cell Electric Vehicles. (ARFVTP funding) Contact: Sarah Williams. (Staff presentation: 10 minutes)
- a. H2 FRONTIER, INC. Proposed resolution approving Agreement ARV-15-021 with H2 Frontier, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 12600 East End Ave., Chino, CA and gather data about the station.
  - b. AIR LIQUIDE INDUSTRIAL US LP. Proposed resolution approving Agreement ARV-15-031 with Air Liquide Industrial US LP for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 3731 East La Palma Ave., Anaheim, CA and gather data about the station.
  - c. AIR PRODUCTS AND CHEMICALS, INC. Proposed resolution approving Agreement ARV-15-025 with Air Products and Chemicals, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 1819 Cloverfield Blvd., Santa Monica, CA and gather data about the station.
  - d. AIR PRODUCTS AND CHEMICALS, INC. Proposed resolution approving Agreement ARV-15-026 with Air Products and Chemicals, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 7751 Beverly Blvd., Los Angeles, CA and gather data about the station.
  - e. AIR PRODUCTS AND CHEMICALS, INC. Proposed resolution approving Agreement ARV-15-027 with Air Products and Chemicals, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 19172 Jamboree Blvd., Irvine, CA and gather data about the station.
  - f. AIR PRODUCTS AND CHEMICALS, INC. Proposed resolution approving Agreement ARV-15-035 with Air Products and Chemicals, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 5314 Topanga Canyon Rd., Woodland Hills, CA and gather data about the station.
  - g. AIR PRODUCTS AND CHEMICALS, INC. Proposed resolution approving Agreement ARV-15-036 with Air Products and Chemicals, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 11261 Santa Monica Blvd., Los Angeles, CA and gather data about the station.
  - h. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-022 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 248 So. Airport Blvd., South San Francisco, CA and gather data about the station.
  - i. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-023 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 391 West A St., Hayward, CA and gather data about the station.
  - j. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-024 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and

- maintenance costs for the hydrogen refueling station located at 2101 N. 1st Street, San Jose, CA and gather data about the station.
- k. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-028 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 5700 Hollywood Blvd., Los Angeles, CA and gather data about the station.
  - l. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-029 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 8126 Lincoln Blvd., Los Angeles, CA and gather data about the station.
  - m. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-030 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 3401 Long Beach Blvd., Long Beach, CA and gather data about the station.
  - n. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-032 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 150 South La Cumbre Rd., Santa Barbara, CA and gather data about the station.
  - o. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-033 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 12105 Donner Pass Road, Truckee, CA and gather data about the station.
  - p. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-034 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 24505 West Dorris Ave., Coalinga, CA and gather data about the station.
  - q. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-15-037 with FirstElement Fuel, Inc. for a \$300,000 grant to cover operation and maintenance costs for the hydrogen refueling station located at 2050 Harbor Blvd., Costa Mesa, CA and gather data about the station.
13. CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE, DIVISION OF MEASUREMENT STANDARDS. Proposed resolution approving Agreement 600-15-010 with the California Department of Food and Agriculture, Division of Measurement Standards for a \$1,300,000 contract to develop standards for commercial measurement of electricity as a transportation fuel for light duty vehicles. (ARFVTP funding) Contact: Sharon Purewal. (Staff presentation: 5 minutes)
  14. **Minutes:** Possible approval of the November 12, 2015, Business Meeting Minutes.
  15. **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.
  16. **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. *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)

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.

- a. *Grant ARV-12-033* with Mendota Bioenergy, LLC.

17. **Executive Director's Report.**

18. **Public Adviser's Report.**

19. **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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Questions about participation in the Business Meeting should be directed to:

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**To avoid occasional technical problems with the Commission's telephone link, the Commission recommends that a written comment also be submitted either by facsimile or e-mail to the Public Adviser by 5 p.m. two days before the scheduled business meeting. Fax (916) 654-4493 or e-mail [publicadviser@energy.ca.gov](mailto:publicadviser@energy.ca.gov).**

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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).