



June 18, 2014

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. 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 RENEWABLE ENERGY LABORATORY. Proposed resolution approving Amendment 1 to Agreement 500-10-053 with the U.S. Department of Energy's National Renewable Energy Laboratory to make a no cost change to a major subcontractor, revise the scope of work and reallocate the budget to add an additional research task for a vehicle demonstration, and extend the term date by nine months. (PIER natural gas funding) Contact: Pilar Magana.
 - b. CITY OF SAN JOSE. Proposed resolution approving Amendment 1 to Agreement ARV-10-016 with the City of San Jose to replace subcontractors, revise the budget and modify the scope of work to allow the City to investigate the feasibility of converting urban-source woody biomass and biosolids into high-quality syngas which can further be converted to an alternative transportation fuel (such as renewable gasoline or renewable diesel). (ARFVTP funding) Contact: Donald Coe.
 - c. HANFORD ENERGY PARK EMERGENCY PEAKER PROJECT (01-EP-7C). Proposed order granting the petition to change operational control of the Hanford Energy Park Emergency Peaker Project from GWF Energy, LLC to Star West Generation Management Company. Contact: Mary Dyas.
 - d. HENRIETTA PEAKER POWER PROJECT (01-AFC-18C). Proposed order granting the petition to change operational control of the Henrietta Peaker Power Plant project from GWF Energy, LLC to Star West Generation Management Company. Contact: Mary Dyas.
 - e. GWF TRACY COMBINED-CYCLE POWER PLANT PROJECT (08-AFC-7C). Proposed order granting the petition to change operational control of the GWF Tracy Combined-Cycle Power Plant Project from GWF Energy, LLC to Star West Generation Management Company. Contact: Mary Dyas.
 - f. BLYTHE ENERGY PROJECT, PHASE II (02-AFC-1C). Proposed order granting the petition to transfer the ownership of the Blythe Energy Facility, Phase II

(Blythe II), from Caithness Blythe II, LLC to AltaGas Sonoran Energy Inc.
Contact: Mary Dyas.

- g. **RIGHT-ENERGY TITLE 24 RESIDENTIAL COMPLIANCE SOFTWARE.** Proposed resolution approving the Executive Director's recommendation to approve Right-Energy Title 24 1.0 from Wrightsoft as an alternative calculation method for demonstrating performance compliance with the 2013 Residential 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). This request is to approve Right-Energy Title 24 1.0 from Wrightsoft as an alternative calculation method for demonstrating performance compliance applicable to newly constructed single-family buildings (Public Resources Code Section 25402.1(b)). Contact: Martha Brook.
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. **CARLSBAD ENERGY CENTER PROJECT (07-AFC-06C).** Possible assignment of a Committee to oversee two petitions filed by project owner NRG amending the May 31, 2012 licensed Carlsbad Energy Center Project (CECP). The April 29, 2013 *Petition to Remove Obsolete Facilities Necessary to Facilitate Construction of the CECP* seeks a six-month schedule for the removal of Encina Power Station (EPS) above-ground storage tanks (ASTs) 1, 2 & 4; the earthen berm between ASTs 4 & 5; and ASTs 5, 6, and 7, which were already approved for the licensed CECP. The May 2, 2014 *Petition to Amend* (PTA) seeks to modify the licensed CECP configuration with six GE LMS100 simple cycle turbines, providing SDG&E and CAISO with 632 MW (net) of highly flexible and dispatchable generation for local capacity and regional reliability needs. Contact: Mike Monasmith. (10 minutes)
4. **GREENHOUSE GASES EMISSIONS PERFORMANCE STANDARD REGULATIONS (12-OIR-1).** Proposed resolution adopting modifications to existing regulations establishing a greenhouse gases emission performance standard for baseload generation of local publicly owned electric utilities and a finding that the proposed updates are exempt from the California Environmental Quality Act. The modifications enhance noticing and reporting requirements to ensure compliance with Senate Bill 1368 (Perata, 2006). Contact: Melissa Jones. (15 minutes)
5. **2013 BUILDING ENERGY EFFICIENCY STANDARDS.** (Information Item) Provide a status report on the launch of the 2013 Building Energy Efficiency Standards on July 1, 2014. Contact: Dave Ashuckian. (5 minutes)
6. **INDUSTRY CERTIFICATION THRESHOLD FOR LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN AND EMPLOYER CERTIFICATION REQUIREMENTS.** Proposed resolution finding that the required conditions have been met for the Number of Certified Lighting Acceptance Test Technicians as set forth in Section 10-103-A(b)1 and for Industry Coverage by Certification Providers as set forth in 10-103-A(b)2 of the 2013 Building Energy Efficiency Standards; and determining that, upon consideration of factors such as certification costs, certification marketing materials, prequalification criteria, class availability, and curriculum, that reasonable access to certification has been provided by Certification Providers approved by the Energy Commission. Contact: Tav Commins. (15 minutes)

7. UNIVERSITY ENTERPRISES, INC. Proposed resolution approving Agreement 400-13-008 with University Enterprises, Inc. for a \$200,000 contract to purchase and test appliances to determine compliance with Title 20 energy efficiency standards. Testing results are used to support enforcement actions and for general data collection purposes. (SEP federal funding) Contact: Maunee Berenstein. (5 minutes)
8. ORDER INSTITUTING INFORMATIONAL PROCEEDING. Proposed Order Instituting Informational Proceeding in regards to Assembly Bill 1103 Compliance. Contact: Daniel Johnson.
9. CLEAN ENERGY JOBS ACT 2013 PROGRAM IMPLEMENTATION GUIDELINES. Proposed resolution adopting substantive changes to the Proposition 39: California Clean Energy Jobs Act 2013 Program Implementation Guidelines. The Guidelines govern the Energy Commission's implementation of the California Clean Energy Jobs Act program and provide direction to potential applicants on their participation in the program. The proposed changes clarify the applicability of eligibility requirements applicable to local educational agencies (LEAs), specifically charter schools, that occupy leased publicly-owned facilities, leased privately-owned facilities, and their own private facilities. Contact: Elizabeth Shirakh. (10 minutes)
10. CITY OF SOUTH EL MONTE. Proposed resolution approving Agreement 011-13-ECD with the City of South El Monte for a \$2,307,104 loan to install a solar photovoltaic system totaling 694.19 kW DC located in various city-owned facilities. The project is estimated to generate 1,056,127 kWh of electricity annually, reduce annual greenhouse gas emissions by 364 tons of CO₂ and save the city approximately \$135,712 per year in utility expenses. The total project cost is estimated to be \$2,993,867 of which the city anticipates receiving \$495,734 in utility rebates. The simple payback on the Energy Commission loan amount is 17.0 years. (ECAA funding) Contact: Amir Ehyai. (5 minutes)
11. ALTERNATIVE FUEL READINESS PLANNING GRANTS, PON-13-603. This grant solicitation sought proposals for projects to develop Alternative Fuel Readiness Plans that will provide strategies for the deployment of alternative fuel infrastructure and encourage the adoption of alternative fuel vehicles. (ARFVTP funding) Contact: Patrick Brecht. (5 minutes)
 - a. CITY AND COUNTY OF SAN FRANCISCO. Proposed resolution approving Agreement ARV-13-053 with the City and County of San Francisco for a \$300,000 grant to develop an Alternative Fuel Readiness Plan for the San Francisco region to prepare for the deployment of alternative fuels.
 - b. SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. Proposed resolution approving Agreement ARV-13-056 with the South Coast Air Quality Management District for a \$297,460 grant to develop an Alternative Fuel Readiness Plan specific to hydrogen used as a fuel. The plan will address the following communities: Berkeley, South San Francisco, Santa Monica and West LA, Torrance and nearby coastal communities, Irvine and southern Orange County, Sacramento, Long Beach, San Diego, and the Central Valley (e.g., Bakersfield, Fresno).

12. ELECTRIC VEHICLE CHARGING INFRASTRUCTURE GRANTS, PON-13-606. This grant solicitation sought proposals to install electric vehicle charging infrastructure along California highway corridors, at destination locations, at workplaces, and at multi-family unit dwellings to support the adoption and use of Electric Vehicles. (ARFVTP funding) Contact: Jennifer Allen. (15 minutes)
- a. CITY OF SAN DIEGO. Proposed resolution approving Agreement ARV-13-040 with the City of San Diego for a \$499,755 grant to install 41 single and dual-port Level 2 electric vehicle chargers, for a total of 68 charge points, throughout the San Diego Region at libraries, parks and other locations.
 - b. GOLDEN GATE NATIONAL PARKS CONSERVANCY. Proposed resolution approving Agreement ARV-13-041 with Golden Gate National Parks Conservancy for a \$79,955 grant to install four Level 2 and two Level 1 electric vehicle chargers at two locations in the Golden Gate National Recreation Area.
 - c. CITY OF BURBANK. Proposed resolution approving Agreement ARV-13-042 with the City of Burbank for a \$163,802 grant to install up to eight Level 2 electric vehicle chargers located curbside at diverse locations along major roadways in the City of Burbank.
 - d. SILICON VALLEY LEADERSHIP GROUP FOUNDATION. Proposed resolution approving Agreement ARV-13-043 with Silicon Valley Leadership Group Foundation DBA Bay Area Climate Collaborative for a \$491,290 grant to install 39 Level 2 electric vehicle chargers at locations throughout the Bay Area.
 - e. CALSTART, INC. Proposed resolution approving Agreement ARV-13-044 with CALSTART, Inc. for a \$495,770 grant to install up to 38 Level 2 dual port electric vehicle chargers at seven highly visible locations throughout the Disneyland Resort in Anaheim, California.
 - f. LOS ANGELES DEPARTMENT OF WATER AND POWER. Proposed resolution approving Agreement ARV-13-045 with the Los Angeles Department of Water and Power (LADWP) for a \$500,000 grant to install 104 Level 2 electric vehicle chargers at key locations.
 - g. COUNTY OF RIVERSIDE. Proposed resolution approving Agreement ARV-13-046 with the County of Riverside for a \$497,357 grant to install 40 single and dual port Level 2 electric vehicle chargers and 4 DC fast chargers at workplace, destination, and corridor sites within Riverside County.
 - h. CALIFORNIA DEPARTMENT OF TRANSPORTATION. Proposed resolution approving Agreement ARV-13-048 with the California Department of Transportation (Caltrans) for a \$200,000 grant to install 22 Level 2 electric vehicle chargers available for employees and vehicles in the Caltrans-owned fleet at 22 Caltrans facilities throughout California.
 - i. ONTARIO CNG STATION INC. Proposed resolution approving Agreement ARV-13-049 with Ontario CNG Station, Inc. for a \$150,050 grant to install two electric vehicle fast chargers at the Ontario fueling station.
 - j. GOOD SAMARITAN HOSPITAL. Proposed resolution approving Agreement ARV-13-050 with Good Samaritan Hospital for a \$97,111 grant to install 24 Level 2 electric vehicle chargers in two sheltered parking locations on opposite ends of their six-acre campus in Los Angeles.

- k. THE EV ALLIANCE. Proposed resolution approving Agreement ARV-13-051 with The EV Alliance for a \$498,475 grant to install 39 Level 2 electric vehicle chargers at 22 sites in the counties of Ventura, Santa Barbara, and San Luis Obispo.
 - l. LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY. Proposed resolution approving Agreement ARV-13-054 with Los Angeles County Metropolitan Transportation Authority for a \$492,000 grant to install 20 Level 2 electric vehicle chargers at park and ride locations throughout their transit network.
 - m. CAL POLY CORPORATION. Proposed resolution approving Agreement ARV-13-055 with Cal Poly Corporation on behalf of California Polytechnic State University for a \$147,982 grant to install six Level 2 dual port electric vehicle chargers at two parking facilities at California Polytechnic State University, San Luis Obispo Campus.
 - n. VEHICLE GRID INTEGRATION ALLIANCE. Proposed resolution approving Agreement ARV-13-057 with the Vehicle Grid Integration Alliance for a \$500,000 grant to install 25 electric vehicle chargers integrated with advanced battery energy storage and rooftop solar photovoltaic at destination sites in San Francisco.
 - o. AMERICAN HONDA MOTOR COMPANY, INC. Proposed resolution approving Agreement ARV-13-058 with American Honda Motor Company, Inc. for a \$195,185 grant to install 58 electric vehicle chargers at the Honda national headquarters facility located in Torrance, California.
13. CRIMSON RENEWABLE ENERGY, LP. Proposed resolution approving Agreement ARV-13-052 with Crimson Renewable Energy, LP for a \$5,000,000 grant to upgrade equipment at their existing facility to increase biodiesel production from 17 million gallons per year to 22 million gallons per year with a carbon intensity less than 14 grams of carbon dioxide equivalent per megajoule. (ARFVTP funding) Contact: Phil Cazal. (5 minutes)
14. RENEWABLE ENERGY AND CONSERVATION PLANNING GRANTS, PON-13-504 and PON-13-505. These grant solicitations sought proposals from qualified counties for the development or revision of rules and policies that facilitate the development of eligible renewable energy resources and their associated electric transmission facilities, and the processing of permits for eligible renewable energy resources. (RRTF funding) Contact: Pablo Gutierrez. (5 minutes)
- a. COUNTY OF RIVERSIDE. Proposed resolution approving Agreement REN-13-002 under PON-13-504 with the County of Riverside for a \$699,996 grant to develop a proposed amendment to their General Plan, including proposed revisions to the Multipurpose Open Space Element, Land Use Element, Area Plans, and other areas of the General Plan to facilitate eligible renewable energy resource development. The project will provide a framework of policies and data addressing eligible renewable energy resources countywide with particular focus on the development and expansion of geothermal resources in the Salton Sea and the coordination of solar resources in the far eastern portion of the county. The project will support the state's long-term Renewables Portfolio Standard goals, streamline the permitting process, and ensure protection of ecosystems throughout the county.
 - b. COUNTY OF IMPERIAL. Proposed resolution approving Agreement REN-13-001 under PON-13-505 with the County of Imperial for a \$400,000 grant to update and

amend the 1993 Conservation and Open Space Element of their General Plan and prepare related CEQA documentation. This project will include addressing future impacts to conservation efforts and open space resources from potential eligible renewable energy resource development.

- c. COUNTY OF INYO. Proposed resolution approving Agreement REN-13-003 under PON-13-505 with the County of Inyo for a \$400,000 grant to update their Renewable Energy General Plan Amendment. This project builds upon work already being performed under Agreement REN-12-004 and consists of a detailed planning effort in the Owens Valley and Owens Lake area, the collection and development of detailed geospatial data, and the engagement of public, private, and tribal partners to plan for eligible renewable energy resource development.
 - d. COUNTY OF SAN BERNARDINO. Proposed resolution approving Agreement REN-13-004 under PON-13-505 with the County of San Bernardino for a \$400,000 grant to develop a new Renewable Energy Value-Added Evaluation and Augmentation Leadership (REVEAL) Initiative that focuses on the costs, benefits, and best opportunities for eligible renewable energy resource development. The project will build on actions funded under Agreement REN-12-002 to enhance the general plan for optimizing development of local renewable energy projects.
15. UNIVERSITY OF CALIFORNIA, DAVIS. Proposed resolution approving Agreement 500-13-009 with the Regents of the University of California, on behalf of the Davis Campus for a \$99,941 contract to develop a research, development and demonstration roadmap to help deploy renewable natural gas for transportation applications in California. (PIER natural gas funding) Contact: Rey Gonzalez. (5 minutes)
16. BLACKPAK INC. Proposed resolution approving Agreement 500-13-010 with BlackPak Inc. for a \$1,200,000 contract to develop and demonstrate an advanced natural gas on-board storage tank technology suitable for light-duty natural gas vehicles. (PIER natural gas funding) Contact: Pilar Magana. (5 minutes).
17. NATURAL GAS ENGINE-HYBRID ELECTRIC RESEARCH AND DEVELOPMENT GRANTS, PON-13-506. This grant solicitation sought proposals for research and development of advanced natural gas engine-hybrid electric concepts for application in light heavy-duty to heavy heavy-duty vehicles that are operated in fleets throughout California. (PIER natural gas funding) Contact: Pilar Magana. (10 minutes)
- a. TRANSPORTATION POWER INC. Proposed resolution approving Agreement PIR-13-012 with Transportation Power, Inc. for a \$900,000 grant to develop and demonstrate an efficient and viable natural gas plug-in hybrid truck technology that combines electronic vehicle technologies with a natural gas engine plug-in hybrid Class 8 truck.
 - b. EFFICIENT DRIVETRAINS, INC. Proposed resolution approving Agreement PIR-13-013 with Efficient Drivetrains, Inc. for a \$900,000 grant to design, optimize and demonstrate an intelligent plug-in hybrid electric vehicle powertrain (EDI drive) and battery pack with 40 miles of all-electric range integrated with a 6.0-liter natural gas engine suitable for medium heavy-duty trucks.
 - c. GAS TECHNOLOGY INSTITUTE. Proposed resolution approving Agreement PIR-13-014 with Institute of Gas Technology dba Gas Technology Institute for a \$900,000 grant to develop and demonstrate a fully integrated and optimized natural gas plug-in hybrid-electric Class 8 vehicle.

18. LAWRENCE BERKELEY NATIONAL LABORATORY. Proposed resolution approving Agreement 500-13-008 for a \$500,000 contract with the Department of Energy's Lawrence Berkeley National Laboratory to survey methane emissions from residential buildings. (PIER natural gas funding) Contact: Simone Brant. (5 minutes)
19. 2013 EMERGING TECHNOLOGY DEMONSTRATION GRANTS, PON-13-501. This grant solicitation sought proposals to demonstrate emerging energy efficiency technologies that were past the "proof-of-concept" stage and ready to be demonstrated in an industrial setting under "real-world" operational conditions. (PIER natural gas funding) Contact: David Weightman. (10 minutes)
 - a. US DEPARTMENT OF AGRICULTURE. Proposed resolution approving Agreement PIR-13-007 with the United States Department of Agriculture for an \$884,810 grant to demonstrate a novel, commercial-scale, cost-effective infrared blanching/dehydration and hot air drying technology for producing crisp healthy fruit and vegetable snacks.
 - b. TREVI SYSTEMS, INC. Proposed resolution approving Agreement PIR-13-009 with Trevi Systems, Inc. for a \$1,700,000 grant to demonstrate the technical and economic effectiveness of a waste heat-driven forward osmosis filtration system for wastewater treatment.
 - c. UNIVERSITY OF CALIFORNIA, DAVIS. Proposed resolution approving Agreement PIR-13-010 with the Regents of the University of California, on behalf of the Davis Campus, for a \$1,118,285 grant to design and demonstrate a commercial-scale, energy efficient, new infrared drying technology for walnut processing.
 - d. LAWRENCE BERKELEY NATIONAL LABORATORY. Proposed resolution approving Agreement PIR-13-011 with the Department of Energy's Lawrence Berkeley National Laboratory for a \$1,600,000 grant to demonstrate a pre-commercial combustion system that has real-time fuel switching capability between natural gas, propane and biogas.
20. UNIVERSITY OF CALIFORNIA, SAN DIEGO. Proposed resolution approving Agreement PIR-13-008 with the Regents of the University of California on behalf of the San Diego Campus for a \$390,553 grant to install an absorption chiller onto an existing fuel cell system and to collect and analyze its performance data to demonstrate the viability of a directed biogas combined cooling, heating and power fuel cell system on the UC San Diego campus. (PIER natural gas funding) Contact: Ryan Smart. (5 minutes)
21. ENERGY COMMISSION STRATEGIC PLAN. Proposed resolution to update the Energy Commission's strategic plan, originally adopted in 1997. Contact: Rob Oglesby. (5 minutes)
22. SALARY ADJUSTMENT. Proposed resolution to increase the salary of the Executive Director by seven percent to make the salary comparable to the salary of executive directors at similar state agencies. The Commission may adjourn to closed session to discuss his performance. Contact: Veronica Rodriguez. (5 minutes)
23. **Minutes:** Possible approval of the May 14, 2014, Business Meeting Minutes.
24. **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.

25. **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. *Asphalt Roofing Manufacturers Association v. California Energy Commission* (Sacramento County Superior Court, 34-2012-80001195).
 - c. California Independent System Operator Corporation (Federal Energy Regulatory Commission, Docket No. ER12-2634).
 - d. *PECG v. Brown*, Alameda County Superior Court Case Nos: RG10494800 et al. (Furlough Litigation).
 - e. *American Public Gas Association v. U.S. Department of Energy*, Case No. 11-1485 (9th Cir. Dec. 23, 2011).
 - f. *California State Energy Resources Conservation and Development Commission v. SoloPower, Inc. and SPower, LLC*. (Sacramento County Superior Court, Case No. 34-2013-00154569)
 - g. *Laborers' International Union of North America, Local #1184 v. California Energy Commission (Blythe Solar Energy Center)*, (Sacramento County Superior Court, 34-2014-80001767-CU-WM-GDS).
 - h. *Communities for a Better Environment and Center for Biological Diversity v. California Energy Commission* (Court of Appeal, First Appellate District, Case Number A141299).

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.

26. **Executive Director's Report.**
27. **Public Adviser's Report.**
28. **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).