

State of California
California Energy Commission
Minutes of the October 11, 2017, Energy Commission Business Meeting

The meeting was called to order by Chair Weisenmiller. The Pledge of Allegiance was led by Chair Weisenmiller.

Present:

Robert B. Weisenmiller, Chair
Karen Douglas, Commissioner

J. Andrew McAllister, Commissioner

David Hochschild, Commissioner
Janea A. Scott, Commissioner

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. CALIFORNIA-CHINA CLEAN TECHNOLOGY PARTNERSHIP. In June 2017, Governor Edmund G. Brown, Jr. entered into numerous Memoranda of Understanding between the State of California and various Chinese entities to establish the California-China Clean Technology Partnership. The California Energy Commission was identified as an implementing agency for parts of this partnership, which requires the Commission to enter into additional agreements. Contact: Michael Murza.
 - i. Proposed resolution approving Agreement MOU-16-004, signed June 7, 2017, with the Government of Haidian District of Beijing to create a clean technology partnership and establish a California-China Clean Technology Innovation Center in Beijing, China.
 - ii. Proposed resolution approving Agreement MOU-16-005, signed June 9, 2017, with the Huadian Corporation, a Chinese state-owned enterprise, to advance a bi-lateral partnership focused on battery storage technology.
 - b. CLEAN ENERGY STATES ALLIANCE, INC. Proposed resolution approving Agreement 500-17-002 with Clean Energy States Alliance, Inc. for a \$50,000 contract to fund a one year membership renewal in the Clean Energy States Alliance (CESA) at the Core Member level. CESA is a national, nonprofit coalition of public agencies and organizations working together to advance clean energy. (ERPA Funding) Contact: Adam Van Winkle.
 - c. PROSPECT SILICON VALLEY DBA BAY AREA CLIMATE COLLABORATIVE (BACC). Proposed resolution approving mutual termination of Agreement EPC-14-083 with Prospect Silicon Valley dba Bay Area Climate Collaborative (BACC), a \$2,999,601 grant to develop and demonstrate a pre-commercial photovoltaic (PV) storage system with high-yield solar panels and a direct current to direct current interface to a modular battery energy storage system. The project can no longer be completed within the agreement term after a

major subcontractor, which provided the hosting site and the majority of match funding, withdrew from the agreement in July 2017. (EPIC funding) Contact: Angela Gould.

- d. ES ENGINEERING, INC. Proposed settlement regarding Agreement ARV-12-021, which awarded \$1,211,370 to ES Engineering, Inc. (ESEI) to demonstrate production of biomethane from solid food waste for transportation fuel.

Commissioner Douglas moved and Commissioner Scott seconded approval of Item 1. The vote was unanimous (5-0).

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)

Item 2 was held. No action taken.

3. LOS ANGELES DEPARTMENT OF WATER AND POWER RENEWABLES PORTFOLIO STANDARD (RPS) APPEAL (16-RPS-02). Contact: Paul Kramer. (Staff presentation: 5 minutes)
 - a. Consideration and possible approval of an order adopting the Committee Proposed Decision (CPD) and Errata on the LADWP appeal regarding certification and eligibility under the RPS program.
 - b. Possible closed session deliberation on the above described CPD. [Government Code Section 11126(c)(3)].

The Commissioners heard and discussed Item 3 in open session and Chair subsequently announced that the Commissioners would further discuss the matter in closed session. He stated that Item 3 provides notice of possible closed session deliberation pursuant to Government Code Section 11126 (c) (3) on the Committee Proposed Decision for the LADWP RPS appeal. The Chair stated the Commissioners would also address Item 15.e. in closed session and that Item 15.e. provides notice that the Commission may adjourn to closed session with legal counsel pursuant to Government Code Section 11126 (e) to discuss the Alternative and Renewable Fuel and Vehicle Technology Program grant ARV-14-011 with HyGen Industries. The Commissioners adjourned for closed session discussion of Items 3 and 15.e. at 11:34 AM.

Upon returning from closed session at 1:14 PM the Chair first addressed Item 15.e. and announced that the Commission's authorized the Chief Counsel to take all necessary steps to obtain all funds the Commission is owed under Agreement ARV-14-011 with HyGen Industries including initiating litigation. Turning to Item 3, the Chair reported that the Commissioners decline to grant LADWP's motion to stay the decision or enforcement of the decision should the Commission approve it. The Commissioners then voted on Item 3; Commissioner Hochschild moved and Commissioner Douglas seconded approval of Item 3. The vote was unanimous (5-0).

4. PROPOSED ADOPTION OF NEW SOLAR HOMES PARTNERSHIP GUIDEBOOK (NSHP GUIDEBOOK, ELEVENTH EDITION). Proposed resolution adopting revisions to the *New Solar Homes Partnership (NSHP) Guidebook*. The revisions are reflected in the NSHP Guidebook, Eleventh Edition. The NSHP Guidebook describes the requirements for participating in the NSHP and receiving incentives for installing eligible solar energy systems on new residential construction located in specified investor-owned utility territories. Proposed changes to the NSHP Guidebook address encumbrance deadlines pursuant to Public Utilities Code § 2851(e)(3)(B), updates to incentive levels, improvements to increase participation from affordable housing projects, program streamlining efforts, and input received from stakeholders on program improvements. Contact: Geoff Dodson. (Staff presentation: 5 minutes)

Commissioner Hochschild moved and Commissioner McAllister seconded approval of Item 4. The vote was unanimous (5-0).

5. AMENDED MOUNTAINVIEW GENERATING STATION (00-AFC-02C). Possible approval of an order granting the petition to amend (PTA) the California Energy Commission Decision to allow for the replacement of the CO catalysts on the four existing combustion turbines at Mountainview. The current CO catalyst beds are original to the plant and nearing the end of their expected service life. The modifications proposed in the PTA will require administrative changes to several air quality conditions of certification. There will be no changes in existing emission limits and the project will continue to meet all limits established in existing permits. Contact: Mike Monasmith. (Staff presentation: 5 minutes)

Commissioner Douglas moved and Commissioner Scott seconded approval of Item 5. The vote was unanimous (5-0).

6. CALIFORNIA PUBLIC UTILITIES COMMISSION. Proposed resolution approving Agreement RMB700-17-001 (CPUC Agreement 17IA5007) with the California Public Utilities Commission (CPUC) to reimburse the Energy Commission up to \$5,000,000 for providing technical consulting services required for review of transmission projects in compliance with the California Environmental Quality Act (CEQA). The environmental review will be conducted pursuant to CEQA and CPUC procedures. Contact: Al Alvarado. (Staff presentation: 5 minutes)

Commissioner Douglas moved and Commissioner Scott seconded approval of Item 6. The vote was unanimous (5-0).

7. PROPOSED ADOPTION OF WHOLE-BUILDING DATA ACCESS, BENCHMARKING, AND PUBLIC DISCLOSURE REGULATIONS. Proposed resolution adopting regulations to implement the whole-building data access, benchmarking, and public disclosure provisions of Assembly Bill 802 (Williams, Chapter 590, 2015) as Title 20, Sections 1680-1685 of the California Code of Regulations. The proposed regulations would clarify requirements for utilities to provide whole-building energy use data on request, as well as establish a benchmarking and public disclosure program for buildings larger than 50,000 square feet. Contact: Erik Jensen. (Staff presentation: 10 minutes)

Commissioner McAllister moved and Commissioner Douglas seconded approval of Item 7. The vote was unanimous (5-0).

8. CITY OF LANCASTER. Proposed resolution finding that the city of Lancaster's locally adopted energy standards will require all new single-family residential structures to be designed to consume no more energy than permitted by the *2016 Building Energy Efficiency Standards*. The city of Lancaster's locally adopted energy standards will require installation of PV in newly constructed homes, with an alternative of paying a solar mitigation fee that will contribute to city-managed renewable resources. Contact: Ingrid Neumann. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Douglas seconded approval of Item 8. The vote was unanimous (5-0).

9. SOLEDAD UNIFIED SCHOOL DISTRICT. Proposed resolution approving Agreement 001-17-ECG with Soledad Unified School District for a \$3,000,000 loan at zero percent interest to construct five parking lot canopy solar PV structures, and one ground-mounted PV system. The installed PV panels will total 675 kWdc at five campuses, including the district office. In the first year the project is estimated to generate 1,023,654 kWh of

electricity, reducing 353 tons of greenhouse gas emissions, and saving the district approximately \$196,480 in electric utility costs. Total project cost is estimated to be \$3,554,607. Simple payback on the loan amount is 15.3 years. (ECAA-Ed funded) Contact: David Michel. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Douglas seconded approval of Item 9. The vote was unanimous (5-0).

10. GOVERNOR'S OFFICE OF BUSINESS AND ECONOMIC DEVELOPMENT. Proposed resolution approving Agreement 600-17-002 with the Governor's Office of Business and Economic Development (GO-Biz) for a \$150,000 contract to fund select activities in the Zero-Emission Vehicles Infrastructure Unit within GO-Biz. The unit activities include facilitating the growth of the hydrogen fueling station infrastructure and the electric vehicle charging infrastructure by working with local, state and federal government agencies; hydrogen station developers and hosts; electric vehicle charging planners, installers, and hosts; automobile companies; and other industry stakeholders. (ARFVTP Funding) Contact: Sebastian Serrato. (Staff presentation: 5 minutes)

Commissioner Scott moved and Commissioner Hochschild seconded approval of Item 10. The vote was unanimous (5-0).

11. DEVELOPMENT, DEMONSTRATION AND DEPLOYMENT OF ENVIRONMENTALLY AND ECONOMICALLY SUSTAINABLE BIOMASS-TO ENERGY SYSTEMS FOR THE FOREST AND FOOD WASTE SECTOR, GFO-15-325. This solicitation sought proposals to fund applied research and development (AR&D) and technology demonstration and deployment (TD&D) activities to advance bioenergy electricity generation. Consistent with the 2015-2017 EPIC Investment Plan and in coordination with the CPUC, the solicitation addresses three bioenergy funding initiatives. This solicitation is also responsive to the Governor's 10-30-2015 Proclamation of a State of Emergency to protect communities against unprecedented tree die-off. (EPIC funding) Contact: Gina Barkalow. (Staff presentation: 5 minutes)
 - a. ALL POWER LABS, INC. Proposed resolution approving Agreement EPC-17-017 with All Power Labs, Inc. for a \$1,500,000 grant to develop an innovative and improved power system based on the technological platform of All Power Lab's mobile, containerized "Powertainer" biomass gasification system and to demonstrate increased power and biochar production capacity in a net metered pilot project using forest-based residual biomass at a mill site in Shasta County.

Commissioner Scott moved and Commissioner McAllister seconded approval of Item 11. The vote was unanimous (5-0).

12. DISCUSSION OF ENERGY COMMISSION PROGRESS RE: IMPLEMENTATION OF THE CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015 (SB 350). Staff presentation regarding progress on implementation of SB 350 requirements, including administration of the California Renewables Portfolio Standard 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 percent 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, weatherization, and renewable energy investments. Contact: Michael Sokol. (Staff presentation: 5 minutes)

Staff presented Information Item 12.

13. **Minutes:** Possible approval of the September 13, 2017, business meeting minutes.
Commissioner Scott moved and Commissioner Hochschild seconded approval of Item 13. The vote was unanimous (5-0).
14. **Lead Commissioner or Presiding Member Reports.** The Commissioners reported on their recent activities.
15. **Chief Counsel's Report:** The Chief Counsel gave a report.
16. **Executive Director's Report.** The Executive Director gave a report.
17. **Public Adviser's Report.** The Public Adviser gave a report.

Public Comment: None.

Appearances:

(*by telephone)

Todd J. Guerrero, Kutak Rock on behalf of LADWP

Reiko A. Kerr, LADWP

Mel Levine, LADWP

Bill Elrick, California Fuel Cell Partnership

Barry Moline, California Municipal Utilities Association

Sarah Taheri, SCPPA

Tom Ware, Southern California Edison

Hanna Grene, Center for Sustainable Energy

Bob Raymer, CBIA

*Valerie Winn, PG&E

Gerhard Achtelik, California Air Resources Board

*Matt McClory, Toyota

*Joel Armin-Hoiland, All Power Labs

Tyson Eckerle, Office of Governor Edmund G. Brown Jr.

Jean-Claude Bertet, LADWP

There being no further business, the meeting was adjourned.

Respectfully submitted,

CODY GOLDTHRITE
Secretariat