

State of California

California Energy Commission Minutes of the September 14, 2022, Energy Commission Business Meeting

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

Present:

David Hochschild, Chair
Siva Gunda, Vice Chair

Kourtney Vaccaro, Commissioner

The California Energy Commission's (CEC) September 14, 2022 Business Meeting will be held remotely only, consistent with Senate Bill 189 (Committee on Budget and Fiscal Review, Statutes of 2022). The public can participate in the business meeting consistent with the direction provided below.

Please note that the CEC aims to begin the business meeting promptly at the start time and the end time is an estimate based on the agenda proposed. The meeting may end sooner or later than the time indicated depending on various factors.

Pursuant to the California Code of Regulations, title 20, section 1104(e), any person may make an oral comment on any agenda item. To ensure the orderly conduct of business, such comments will be limited to three minutes or less per person. Any person wishing to comment on information items or reports (non-voting items) shall speak during the public comment portion of the meeting and have three minutes or less to address all remaining comments.

THE CEC WILL CONSIDER AND MAY TAKE ACTION ON THE FOLLOWING:

Before the Pledge of Allegiance, Chair Hochschild announced Commissioner Monahan and Commissioner McAllister would not be joining the business meeting.

After the Pledge of Allegiance, Chair Hochschild announced Items 1i, 2, and 7 were removed from the agenda.

1. Consent Calendar.

Items 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. PlugShare, LLC. Proposed resolution approving Amendment 4 to Agreement ARV-16-010 for a novation changing the recipient from Recargo, Inc. to PlugShare, LLC, due to a change in corporate status. The novation will not impact the purpose of this agreement, which is to install direct current fast chargers (DCFC) at ten sites on US-101 between the Oregon border and Santa Rosa, and at three sites on SR-152 between Gilroy and Chowchilla. (Clean Transportation Program Funding) Contact: Brian Fauble
- b. Alliance to Save Energy. Proposed resolution approving Agreement 200-22-008 with Alliance to Save Energy for a \$25,000 contract to renew CEC membership for one year. Membership allows staff to meet with key policy and decision

makers and officials from over 100 organizations to advance energy efficiency through unique and effective policy, market transformation, education, communications, and research and technology initiatives. These meetings provide a forum for exchanging information, ideas, and resources. (ERPA Funding) Contact: Lisa Linares

- c. Aspen Environmental Group. Proposed resolution approving Agreement 700-22-004 with the Aspen Environmental Group for a \$2,000,000 contract for professional engineering and environmental services to support the state's environmental, conservation, engineering, infrastructure, economic, and land use planning activities in terrestrial, coastal, and marine environments. These planning activities are intended to guide responsible energy and infrastructure development to help California meet its future energy and greenhouse gas reduction goals. (General Fund & ERPA Funding) Contact: Paul Marshall
- d. Order Instituting Rulemaking (OIR) Proceeding (Docket Number 22-AAER-04). Proposed OIR to update the Appliance Efficiency Regulations, contained in the California Code of Regulations, title 20, sections 1601-1609. This order will direct staff to develop updates to align with federal appliance regulations, modify data submittal requirements for certain appliances, modify enforcement provisions, and make other administrative and clarifying changes that do not modify the underlying efficiency standards. Contact: Carlos Baez
- e. Local Ordinance for City of Los Angeles. Proposed resolution finding that an application submitted by a local jurisdiction satisfies the statutory requirements of Public Resources Code section 25402.1(h)(2). The ordinance contains requirements that new buildings and certain renovations and additions install cool roofs for the reduction of heat island effect. Contact: Danuta Drozdowicz
- f. DOE-Lawrence Berkeley National Laboratory. Proposed resolution approving Agreement 150-22-002 with the DOE-Lawrence Berkeley National Laboratory for a \$225,000 contract to purchase and test appliances to determine compliance with energy efficiency regulations contained in California Code of Regulations, title 20, sections 1601-1609. Section 1608(d) requires the CEC to periodically test appliances sold in California to determine compliance with reported appliance efficiency performance, marking, and design standards. Testing results are used to support enforcement actions and general data collection purposes. (AEES Funding) Contact: Veronica Olvera
- g. The Regents of the University of California, on behalf of the Los Angeles Campus. Proposed resolution approving Agreement PIR-22-003 with The Regents of the University of California, on behalf of the Los Angeles Campus for a \$5,658,000 grant to assess the feasibility and safety of targeted hydrogen blending in gas infrastructure to support decarbonization, and adopting staff's determination that this action is exempt from CEQA. This project will study hydrogen impacts on materials, components, and systems under various blend levels, develop risk assessment models, and evaluate decarbonization scenarios for target use cases. (Gas R&D) Contact: Yahui Yang

- h. The Regents of the University of California, on behalf of the Irvine campus. Proposed resolution approving a \$5,000 purchase order with The Regents of the University of California, Irvine, to co-sponsor their 2022 International Colloquium on Environmentally Preferred Advanced Power Generation in December 2022, including use of the CEC logo in co-sponsorship advertisements, and adopting staff's determination that this action is exempt from CEQA. The summit this year is titled "Hydrogen: Fueling the Sustainable Future," which is relevant and timely to the CEC's efforts to advance green hydrogen technology. (EPIC Funding)
Contact: Zack Bradford
- i. ~~GridLab, Inc. (GridLab). Proposed resolution approving Agreement MOU-22-001 with GridLab for a zero-cost Memorandum of Understanding (MOU) to work cooperatively to improve and expand the models and analysis used to assess clean energy scenarios for California. The MOU establishes a framework for how the CEC and GridLab will coordinate to improve CEC electricity supply modeling.~~
Contact: Mark Kootstra

Commissioner Vaccaro moved to approve Item 1. Vice Chair Gunda seconded. The vote was (3-0).

~~2. Information Item on Getting California on Track for 2030 and 2045 Climate Targets.~~

~~Anand R. Gopal, Ph.D. and Executive Director of Energy Innovation will discuss the need for opportunities for early action to accelerate emission reductions and the risks of missing California's 2030 and carbon neutrality targets. Contact: Noemi Gallardo (Staff Presentation: 5 minutes)~~

3. Information Item on the California ZEV-Related Manufacturing Web Map.

Staff will provide a demonstration of the California ZEV-Related Manufacturing interactive web map. This is an interactive web application that contains information on companies with ZEV and ZEV-related manufacturing operations in California.
Contact: Jonathan Bobadilla (Staff Presentation: 5 minutes)

Jonathan Bobadilla presented a demonstration of the California ZEV-Related Manufacturing interactive web map. Information item only, no vote was taken.

4. Information Item on Non-Lithium (LI) Storage Technology Presentation.

Staff will provide a presentation on the state of emerging non-LI technologies and discuss how these emerging non-LI technologies will be able to compete in the future with LI systems in performance, price, safety, and longevity. Contact: Mike Gravely (Staff Presentation: 10 minutes)

Mike Gravely presented a summary of the state of emerging non-LI technologies. Information item only, no vote was taken.

5. Orange Grove Energy Center (OGEC).

Proposed order approving a settlement agreement with Orange Grove Energy, LP (OGE) to resolve alleged violations of the requirements in the Commission's Decision (08-AFC-04C) concerning fire pump testing and changes in operation at

the OGEC, and adopting the determination that this action is exempt from CEQA. Under the settlement agreement, OGE agrees to conduct fire pump testing and seek approval for facility operational changes in the future and pay \$200,000 to the CEC to settle this matter. In return, the CEC agrees to close the matter without further action or litigation. Contact: Elizabeth Huber (Staff Presentation: 5 minutes)

Commissioner Vaccaro moved to approve Item 5. Vice Chair Gunda seconded. The vote was (3-0).

6. Anaheim Transportation Network (ATN).

Proposed resolution approving Agreement ZVI-22-009 with ATN for a \$5,000,000 grant to install EV charging infrastructure and microgrids to support 50 electric transit buses, and adopting staff's determination that this action is exempt from CEQA. (General Fund Funding) Contact: Esther Odufuwa (Staff Presentation: 5 minutes)

Commissioner Vaccaro moved to approve Item 6. Vice Chair Gunda seconded. The vote was (3-0).

7. ~~San Joaquin Valley Air Pollution Control District.~~

~~Proposed resolution approving Agreement ZVI-22-014 with San Joaquin Valley Air Pollution Control District for a \$10,348,873 grant to install a minimum of 25 DCFC to support 50 on-road Class 8 battery-electric trucks and to conduct workforce training and development and community outreach, and adopting staff's determination that this action is exempt from CEQA. The proposed DCFC, a battery electric storage system, and other viable distributed energy resources will be capable of charging and supporting the pilot of 50 on-road, Class 8 Volvo battery-electric trucks that are being funded by the California Air Resources Board. (General Fund Funding) Contact: Marc Perry (Staff Presentation: 5 minutes)~~

8. Reliable, Equitable, and Accessible Charging for Multi-Family House (REACH) (GFO-21-603).

This solicitation sought proposals to demonstrate replicable and scalable business and technology models for large-scale deployment of EV charging infrastructure capable of maximizing access and EV travel for multi-family house residents. (CTP and General Fund Funding) Contact: Kristi Villareal (Staff Presentation: 5 minutes)

- a. Ecology Action of Santa Cruz. Proposed resolution approving Agreement ARV-22-002 with Ecology Action of Santa Cruz for a \$2,999,801 grant, and adopting staff's determination that this action is exempt from CEQA. This project will install 375 EV charging ports at an estimated 76 sites, serving 3,800 residential dwellings to demonstrate the viability and scalability of a low-cost, low-power direct installation model for the equitable deployment of EV supply equipment in Northern California's multi-family residential properties.
- b. CLEAResult Consulting Inc. Proposed resolution approving Agreement ZVI-22-010 with CLEAResult Consulting Inc. for a \$2,007,360 grant to fund the installation of 100 Level 2 EV chargers that will support at least 300 multi-family housing units in Northern California – the majority of which will be within disadvantaged communities or low-income communities, and adopting staff's

determination that this action is exempt from CEQA.

- c. Sacramento Municipal Utility District (SMUD). Proposed resolution approving Agreement ZVI-22-013 with SMUD for a \$2,229,000 grant to deploy 108 Level 2 charging stations across 6 multi-family housing sites located in disadvantaged and low-income communities, and adopting staff's determination that this action is exempt from CEQA.

Vice Chair Gunda moved to approve Item 8. Commissioner Vaccaro seconded. The vote was (3-0).

9. Vehicle-to-Building Technologies for Resilient Backup Power (GFO-21-303).

This solicitation sought proposals to advance and demonstrate bidirectional charging technologies that allow EVs to provide backup power and other electric services to facilities during outages or intentional islanding from the electric grid. (EPIC Funding) Contact: Katelynn Dinius (Staff Presentation: 5 minutes)

- a. Center for Transportation and the Environment, Inc. Proposed resolution approving Agreement EPC-22-006 with Center for Transportation and the Environment, Inc. for a \$3,199,969 grant to develop and demonstrate bidirectional charging capabilities for electric transit buses, and adopting staff's determination that this action is exempt from CEQA. The project will demonstrate use of electric transit buses to provide backup power to critical loads at a bus depot and a public facility in Oakland.
- b. Andromeda Power, LLC. Proposed resolution approving Agreement EPC-22-007 with Andromeda Power, LLC for a \$3,675,637 grant to develop an advanced EV powertrain technology that enables fast bidirectional charging without costly off-vehicle equipment, and adopting staff's determination that this action is exempt from CEQA. The advanced EV powertrain will use the vehicle's electric motor to facilitate safe power conversion when the vehicle is parked and connected to the grid or to a building, reducing infrastructure complexity and enabling back-up power use cases.

Vice Chair Gunda moved to approve Item 9. Commissioner Vaccaro seconded. The vote was (3-0).

10. Minutes.

Possible approval of the June 13, 2022, and August 10, 2022, Business Meeting minutes.

Before Item 10 was voted on, Chief Counsel, Linda Berrera, proposed that the Commission move the August 10, 2022, Business Meeting minutes only.

Vice Chair Gunda moved to approve Item 10. Commissioner Vaccaro seconded. The vote was (3-0).

No action was taken on the June Business Meeting minutes.

11. Lead Commissioner or Presiding Member Reports.

The Commissioners reported on their recent activities.

12. Executive Director's Report.

The Executive Director gave a report.

13. Public Advisor's Report.

The Public Advisor had nothing to report.

14. Public Comment.

Jin Noh, CESA

Stephanie Saavedra, self

Pascha Nierenhausen, Quechan Tribe

Will Mao, Eos Enterprises

15. Chief Counsel's Report.

- a. Pursuant to Government Code section 11126(e)(1), the CEC may adjourn to closed session with its legal counsel to discuss the following matter to which the CEC is a party:

Interlink Products International, Inc. v. Xavier Becerra, Drew Bohan, Melissa Rae King (United States District Court for the Eastern District of California, Case No. 2:20-cv-02283)

- b. Pursuant to Government Code section 11126(e)(2), the CEC may also adjourn to closed session with its legal counsel to discuss facts and circumstances in the following matter that may warrant the initiation of litigation:

CEC grant agreement with Colony Energy Partners – Tulare, LLC (ARV-14-029).

The Chief Counsel had nothing to report.

Appearances:

Dr. Imre Gyuk, DOE Storage

Gwenneth O'Hara, Orange Grove Energy Center

Olga Tinker Gomez, Costanoan Rumsen Carmel Tribe

Peter Dailey, International Electric Power

Diana Kotler, Executive Director, ATN

Mahlon Aldridge, Ecology Action

James Russell, CLEAResult

Joshua Rasin, SMUD

There being no further business meeting was adjourned.

Respectfully submitted,

LIZA LOPEZ

Secretariat