

DOCKETED

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California Energy Commission
Business Meeting Agenda

November 13, 2024
10:00 a.m. – 3:00 p.m.

In-person at:

California Natural Resources Agency Building
715 P Street
First Floor Auditorium
Sacramento, California 95814
(Wheelchair Accessible)

Remote Access via Zoom™

<https://zoom.us/> Meeting ID: **938 6923 0237** Passcode: **mtg@10am**

Remote participation instructions are below, after the agenda items.

The California Energy Commission (CEC) aims to begin the business meeting promptly at the start time and the end time is an estimate based on the agenda. The meeting may end sooner or later than the time indicated depending on various factors. Commissioners may attend remotely in accordance with Government Code section 11123.2(j). Agenda items may be taken out of order as needed.

Pursuant to the California Code of Regulations (CCR), 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 two minutes or less per person.

Please visit the CEC [Business Meeting web page](#) for more information and backup materials for all voting items at <https://www.energy.ca.gov/proceedings/business-meetings>.

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

1. Public Comment.

Any person wishing to comment on information items (non-voting items) shall provide comments during this period.

2. Agency Announcements.

The Chair may announce relevant matters to the public and the CEC, including agency updates, events, and other opportunities. Discussion may follow.

3. 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. West Coast Code Consultants, Inc. (WC3). Proposed resolution approving agreement 700-24-001 with WC3 for a \$2,850,000 three-year contract to provide delegate chief building official services, with compliance oversight for approved power plant project modifications and emergency facility changes to ensure modifications are completed on schedule and in accordance with all conditions of certification. (EFLCF Funding) Contact: Jack Bastida
- b. Skychargers, LLC. Proposed resolution approving agreement RNEV-24-006 with Skychargers, LLC, for a \$2,622,000 grant, and adopting staff's recommendation that this action is exempt from the California Environmental Quality Act (CEQA). This agreement will install, operate, and maintain public electric vehicle (EV) direct current fast charging stations compliant with the National Electric Vehicle Infrastructure (NEVI) Formula Program requirements along sections of State Route 58 in Bakersfield and Boron and Interstate 15 in Nipton. (NEVI Formula Program Funding) Contact: Joshua Meserth
- c. Western Riverside Council of Governments. Proposed resolution approving agreement ZVI-24-007 with Western Riverside Council of Governments for a \$598,279 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will install eight EV Level 2 charger ports, two EV direct current fast charger (DCFC) ports, and four solar powered EV DCFC ports to support 11 EVs across four different municipal fleets in Riverside County. This agreement is in coordination with a California Air Resources Board grant for six types of municipal EVs. (General Fund Funding) Contact: Elizabeth Menchaca-Guhl
- d. Greenlane Infrastructure, LLC. Proposed resolution approving agreement ZVI-23-024 with Greenlane Infrastructure, LLC for a \$10,000,000 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will install 69 EV DCFC ports across two corridor sites along Interstates 10 and 215 in Colton and Interstate 15 in Barstow to provide publicly-available charging for medium- and heavy-duty zero emission vehicles (ZEVs) and support workforce development of adjacent communities with engagement efforts to promote job training and recruitment. (General Fund Funding) Contact: Vivian Nguyen
- e. Viridi Parente, Inc. Proposed resolution approving amendment 1 to agreement ZVI-22-039 for a novation changing the grant recipient from Moxion Power Co., to Viridi Parente, Inc., and adopting staff's recommendation that this action is exempt from CEQA. This \$14,999,997 grant will expand battery module manufacturing operations in Richmond. (General Fund Funding) Contact: Jonathan Bobadilla

4. The Regents of the University of California, on Behalf of the Davis Campus.

Proposed resolution approving agreement EPC-24-027 with The Regents of the

University of California, on behalf of the Davis Campus, for a \$2,489,703 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will evaluate and improve understanding of how to optimize orographic cloud seeding modeling to enhance precipitation and runoff into hydroelectric reservoirs and determine how research results can be leveraged to meet state energy goals. (EPIC Funding) Contact: Martine Schmidt-Poolman (Staff Presentation: 5 minutes)

5. Grid-Supportive Transportation Electrification GFO-23-306.

This solicitation sought to fund development and demonstration of technologies that can avoid customer electrical service upgrades when installing EV chargers, enable managed charging in response to distribution grid conditions, improve efficiency and scalability of high-power charging stations, and support flexible siting of charging infrastructure. This item includes four agreements totaling \$10,219,695. (EPIC Funding) Contact: Katelynn Dinius (Staff Presentation: 10 minutes)

- a. NeoCharge Incorporated. Proposed resolution approving agreement EPC-24-022 with NeoCharge Incorporated for a \$1,650,024 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will develop and demonstrate a dynamic load management system that can optimize residential EV charging based on panel capacity constraints, grid conditions, localized marginal emissions, and user preferences at EV charger installations throughout California.
- b. Intertie Incorporated. Proposed resolution approving agreement EPC-24-024 with Intertie Incorporated for a \$2,120,879 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will advance and demonstrate a novel direct current coupled microgrid technology to integrate solar, energy storage, and a grid-tied bidirectional converter to power EV fast chargers at a gas station along Highway 5 in Fresno County and mitigate the need for service upgrades.
- c. RockeTruck, Inc. Proposed resolution approving agreement EPC-24-025 with RockeTruck, Inc. for a \$4,000,000 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will develop and demonstrate an innovative direct current power distribution architecture using a solid state transformer that enables higher efficiencies for heavy-duty EV charging and simplifies integration of distributed energy resources into the power grid at a cargo facility near the Port of Los Angeles.
- d. GoPowerEV, Inc. Proposed resolution approving agreement EPC-24-026 with GoPowerEV, Inc. for a \$2,448,792 grant, and adopting staff's recommendation that this action is exempt from CEQA. The agreement will develop and demonstrate an EV charging automated load management system that adjusts charging load considering real-time distribution transformer monitoring data. The system will enable increased adoption of EV chargers at multi-unit dwellings in Ontario, Redwood City, and South San Francisco with limited available infrastructure capacity that would otherwise require costly and time intensive

upgrades.

6. Deployment of Decarbonization Technologies and Strategies for California Industrial Facilities (INDIGO Program) - GFO-23-313.

This solicitation sought to fund and deploy advanced decarbonization and grid support technologies at existing industrial facilities to promote electrification and reduce greenhouse gas (GHG) emissions. This item includes three agreements totaling \$20,504,284. (INDIGO Funding) Contact: Paty De La Torre (Staff Presentation: 10 minutes)

- a. Searles Valley Minerals. Proposed resolution approving agreement IND-24-003 with Searles Valley Minerals for an \$8,000,000 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will electrify four steam-powered fans and use a solar photovoltaic array and battery energy storage system to minimize added electrical load and reduce GHG emissions from coal-fired boilers at an industrial facility in Trona.
- b. Renewable Technology Developments Inc. Proposed resolution approving agreement IND-24-004 with Renewable Technology Developments Inc. for a \$4,504,284.00 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will fund the planning, engineering, permitting and installation of a steam generating heat pump and demonstrate electrification of an industrial laundry facility in Patterson, replacing packet boilers and reducing greenhouse gas emissions and operating costs.
- c. Hilmar Cheese Company, Inc. Proposed resolution approving agreement IND-24-005 with Hilmar Cheese Company, Inc. for an \$8,000,000 grant, and adopting staff's recommendation that this action is exempt from CEQA. The agreement will electrify the product heat step with industrial heat pumps and implement high-pressure reverse osmosis at a cheese and dairy processing facility in Hilmar to decrease gas combustion and direct GHG emissions.

7. Local Government Building Decarbonization Challenge - GFO-23-403.

This solicitation sought to fund planning grants to local governments that are not eligible for direct federal Energy Efficiency and Conservation Block Grant (EECBG) funding and prioritized rural, low income, and disadvantaged communities. Projects will support community and municipal building decarbonization planning, and improve municipal operations to support building decarbonization and decarbonization education. Projects will also support workforce development and creating or updating local codes, ordinances, and volunteer decarbonization measures. This item includes two agreements totaling \$1,400,000. (EECBG Funding) Contact: Lien Huynh (Staff Presentation: 5 minutes)

- a. County of Nevada. Proposed resolution approving agreement EECBG-24-001 with County of Nevada for a \$700,000 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will support development of an educational campaign for ZEVs, design of ZEV charging infrastructure at 16 county and community partner facilities, and

adjustment of county agency permitting processes, codes, and statutes.

- b. Town of Truckee. Proposed resolution approving agreement EECBG-24-002 with Town of Truckee for a \$700,000 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will support the development of an Energy Resilience Plan, Municipal Building Decarbonization Plan, Municipal Electric Vehicle Charging Infrastructure Plan, and Building Decarbonization Program.

8. Equitable Building Decarbonization Program Direct Install - GFO-23-404.

This solicitation sought to fund three regional administrators to implement the Equitable Building Decarbonization (EBD) Statewide Direct Install Program. The regional administrators will implement the program in their awarded region (Northern, Central, and Southern) to install efficient electric appliances, energy efficiency measures, and related upgrades directly to low-income households in single-family, multifamily, and manufactured homes in underresourced communities. This item includes three agreements totaling \$567,203,000. (GGRF Funding and Federal Funding; Federal Funding contingent on Department of Energy approval) Contact: Diana Maneta (Staff Presentation: 15 minutes)

- a. Center for Sustainable Energy. Proposed resolution approving agreement EBD-24-002 with the Center for Sustainable Energy for a block grant of up to \$107,768,570 to administer the EBD Direct Install Program in Central California, and adopting staff's recommendation that this action is exempt from CEQA. This agreement includes up to \$78,460,500 in state funds and up to \$29,308,070 in federal funds from the U.S. Department of Energy Home Efficiency Rebates (HOMES) Program, with the federal funding contingent upon the CEC receiving a federal award under the HOMES Program.
- b. Association for Energy Affordability, Inc. Proposed resolution approving agreement EBD-24-003 with Association for Energy Affordability, Inc. for a block grant of up to \$130,456,690 to administer the EBD Direct Install Program in Northern California, and adopting staff's recommendation that this action is exempt from CEQA. This agreement includes up to \$94,978,500 in state funds and up to \$35,478,190 in federal funds from the U.S. Department of Energy HOMES Program, with the federal funding contingent upon the CEC receiving a federal award under the HOMES Program.
- c. County of Los Angeles. Proposed resolution approving agreement EBD-24-004 with the County of Los Angeles for a block grant of up to \$328,977,740 to administer the EBD Direct Install Program in Southern California, and adopting staff's recommendation that this action is exempt from CEQA. This agreement includes up to \$239,511,000 in state funds and up to \$89,466,740 in federal funds from the U.S. Department of Energy HOMES Program, with the federal funding contingent upon the CEC receiving a federal award under the HOMES Program.

9. Quantifying Exposures to Indoor Air Pollutants in Multifamily Homes that

Cook with Gas or Alternatives - GFO-23-501.

This solicitation sought to fund a field study to quantify and characterize residents' exposure to indoor air pollutants generated from kitchen stoves (gas, electric, and induction) in multifamily homes. Research resulting from this solicitation will provide an empirically grounded framework for quantifying air pollutant exposures from kitchen ranges in varying multifamily housing conditions. This quantitative framework may, in turn, help guide future intervention policies such as building ventilation and electrification. This item includes two agreements totaling \$3,999,984 (Gas R&D Funding). Contact: Maninder Thind (Staff Presentation: 10 minutes).

- a. Lawrence Berkeley National Laboratory. Proposed resolution approving agreement PIR-24-001 with Lawrence Berkeley National Laboratory for a \$2,000,000 grant, and adopting staff's recommendation that this action is exempt from CEQA. This agreement will conduct a field study and data analysis to quantify and characterize exposure to indoor air pollutants generated from cooking with gas, electric, or induction ranges in multifamily homes in low-income or disadvantaged communities.
- b. Berkeley Air Monitoring Group, Inc. Proposed resolution approving agreement PIR-24-002 with Berkeley Air Monitoring Group, Inc. for a \$1,999,984 grant, and adopting staff's recommendation that this action is exempt from CEQA. The agreement will fund a field study to quantify and characterize residents' exposure to indoor air pollutants generated from kitchen stoves (gas and induction) in multifamily homes. Specifically, the funded work will leverage the Ava Community Energy's gas-to-induction stove intervention taking place primarily in low-income and disadvantaged communities.

10. Lead Commissioner and Presiding Member Reports.

Lead commissioners on policy matters and presiding members on delegated committees may report to the CEC on relevant matters and discussion may follow.

11. Executive Director's Report.

12. Public Advisor's Report.

13. Chief Counsel's Report.

- a. Pursuant to Government Code section 11126(a)(1), the CEC may adjourn to closed session with its legal counsel to consider the appointment, employment, evaluation of performance, or dismissal of a public employee or to hear complaints or charges brought against that employee by another person or employee.
- b. Pursuant to Government Code section 11126(e)(1), the CEC may adjourn to closed session with its legal counsel to discuss the following pending litigation:
 - i. Shasta County and Pit River Tribe, et al. vs. California Energy Commission (Shasta County Superior Court, Case No. 23CV-0203737).
 - ii. California Fuels and Convenience Alliance v. California Energy Commission,

- et al. (Sacramento Superior Court, Case No. 24WM000058).
- iii. Ernest Vardanyan v. City of Burbank, et al. (Los Angeles Superior Court, Case No. 24NNCV04047).
- c. Pursuant to Government Code section 11126(c)(3), Commissioners may adjourn to closed session to deliberate on a decision to be reached in the following proceedings the state body is required by law to conduct:
- i. Morton Bay Geothermal Project, Docket 23-AFC-01
 - ii. Elmore North Geothermal Project, Docket 23-AFC-02
 - iii. Black Rock Geothermal Project, Docket 23-AFC-03

In-Person Instructions

Visitors to the California Natural Resources Agency building attending the business meeting held in the first-floor auditorium should proceed directly to the auditorium and do not need to sign in at the lobby security desk. Please note that visitors are solely permitted in the auditorium, restrooms, and cafeteria without a visitor badge or staff escort.

Remote Access Instructions

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Zoom: Click the link below to participate and provide public comment via Zoom.

<https://energy.zoom.us/j/93869230237?pwd=Zm96c09ULzdXTjd4eldtUXdnUGErzd09>.

Zoom may also be accessed at <https://zoom.us/join>. To join, enter the **meeting ID 938-6923-0237** and the **password mtg@10am**. To participate by phone, dial (669) 900-6833 or toll free at (888) 475-4499 and enter **meeting ID 938-6923-0237**. For Zoom technical support dial (888) 799-9666 ext. 2 or contact the CEC's Public Advisor for help at publicadvisor@energy.ca.gov and (916) 957-7910.

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Public comments are welcomed at the business meeting during announced times. Comments may be limited to two minutes or less per speaker and one speaker per entity depending on the proposed agenda and number of commenters.

If participating via Zoom's online platform, use the "raise hand" feature to indicate you would like to make a comment. The Public Advisor will open your line to speak. Please restate and spell your name for the record, indicate any affiliation, and begin your comments.

If participating by telephone, press *9 to "raise your hand" and *6 to mute/unmute. The Public Advisor will announce the last three digits of the phone number listed and open your line. Make sure to unmute your phone before speaking, restate and spell your name for the record, indicate any affiliation, and begin your comments.

Zoom's closed captioning service will be enabled for the CEC business meetings. Attendees can use the service by clicking on the "live transcript" CC icon and then choosing either "show subtitle" or "view full transcript." The closed captioning service can be stopped by exiting the "live transcript" or selecting the "hide subtitle" icon. If using a phone, closed captioning is automatic and cannot be turned off. While closed captioning is available in real-time, it can include errors. A full and formal transcript rendered by a professional court reporter will be docketed in the CEC business meeting docket.

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Adjournment. Depending on time and the orderly management of proceedings, the CEC may adjourn, recess, or postpone any noticed hearing or meeting to be continued the next day, another specific date or time, or the next business meeting. Any such adjournment will be noticed at the time the order of adjournment is made. (Government Code sections 11128.5, 11129)