

DOCKETED

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California Energy Commission
Business Meeting Agenda

August 14, 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).

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](https://www.energy.ca.gov/proceedings/business-meetings) for more information and materials 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. Electricity Resource Plan Reporting. Proposed resolution approving Forms and Instructions for submitting Electricity Resource Plans for the 2025 Integrated Energy Policy Report. Obligated load-serving entities are instructed to provide the CEC with energy and capacity requirements, generating resource projections, and other data related to electricity resource plans for historical years 2022 to 2023 and forecast years 2024 to 2033. Contact: Robert Kennedy
- b. California Department of Transportation (Caltrans). Proposed resolution approving interagency agreement RMB800-23-011 with Caltrans to provide \$200,000 to the CEC to support the California Vehicle Survey of residential and commercial vehicle owners and enhance the travel related survey questions. (State Planning and Research and State Highway Account) Contact: Aniss Bahreinian
- c. National Association of State Energy Officials (NASEO). Proposed resolution approving agreement 200-24-001 for \$28,288 for a one-year CEC membership to NASEO to connect with key energy policy decision makers, agencies, and private entities. Membership also provides a forum for exchanging information, ideas, and resources, as well as the opportunity to learn about funding and partnership opportunities. (ERPA Funding) Contact: Pierre Washington
- d. Last Frontier Healthcare District. Proposed resolution approving agreement GEO-24-001 with Last Frontier Healthcare District (LFHD) for a \$9,995 Phase One technical assistance grant, and adopting staff's determination that this action is exempt from CEQA. This grant will allow LFHD to assist Modoc Joint Unified School District with a Geothermal Grant and Loan Program Phase Two Solicitation (GFO-23-402) application, which provides funding to advance the development of the geothermal energy sector, lithium recovery from geothermal brine, and related activities. (Geothermal Resources Development Account) Contact: Erica Loza.
- e. Electrify America, LLC. Proposed resolution approving agreement ARV-24-004 (GFO-22-611) with Electrify America, LLC for a \$3,283,575 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will install at least 40 direct current fast charging ports across 10 sites in the counties of Los Angeles, San Bernadino, Riverside, and Orange to meet demands from transportation network company fleets and the public. (Clean Transportation Program Funding) Contact: Kyle Corrigan
- f. Aspen Environmental Group (700-22-004). Proposed resolution approving amendment 3 to contract 700-22-004 with Aspen Environmental Group to add \$835,000, extend the term by one year, and add a newly required Department of General Services contract term. This contract provides professional engineering and environmental services to support clean energy and infrastructure

development planning specific to 2023-24 legislative mandates for achievement of California's energy and greenhouse gas reduction goals. (General Fund and ERPA Funding). Contact: Sharon Purewal

- g. Aspen Environmental Group (700-22-005). Proposed resolution approving amendment 2 to contract 700-22-005 with Aspen Environmental Group to add \$3,500,000 to the agreement and extend the end date to 2029 to support the Opt-In Certification Program and add a newly required Department of General Services contract term. This contract provides professional engineering and environmental services to support evaluating applications for the Opt-In Certification Program as mandated by Assembly Bill 205 (2022). (ELFCF) Contact: Hilarie Anderson
- h. Emergency Rulemaking Amending the Opt-In Certification Program Regulations to Add Reimbursement Procedures for Local Agencies. Proposed resolution amending section 1701 and adding section 1878.1 to title 20 of the California Code of Regulations for the Opt-In Certification Program (Opt-In) contained in Chapter 6.2 of Division 15 of the PRC, and adopting staff's determination that this action is exempt from CEQA. PRC section 25545.12 directs the adoption or amendment of Opt-In regulations be considered an emergency by the Office of Administrative Law. The proposed amendments would specify reimbursement procedures for local agencies for their review of Opt-In applications and lost permit fees for Opt-In projects. Contact: Elizabeth Huber
- i. Resighini Rancheria. Proposed resolution approving agreement TCA-24-008 with Resighini Rancheria for a \$399,949 grant, and adopting staff's determination that this action is exempt from CEQA. The agreement will produce robust sea level rise vulnerability data from project sites in Del Norte, Sonoma, Santa Barbara, and Santa Cruz Counties that empowers local communities to manage coastal impacts associated with climate change while restoring caretaking practices that will increase social and ecological wellbeing. This project will combine historically-observed patterns in intertidal communities and stewardship practices with advanced imaging, mapping, and analytical techniques to better manage sea level rise impacts on California's rocky intertidal ecosystems. (STEP Funding) Contact: Gabriel Roark
- j. Northern Chumash Tribal Council. Proposed resolution approving agreement TCA-24-003 with Northern Chumash Tribal Council for a \$399,994 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will create a collaboration where multiple Chumash Tribes and Tribal organizations share resources and knowledge related to climate change research in the area proposed for the Chumash Heritage National Marine Sanctuary, focusing on self-sustaining, carbon-neutral, and climate-resilient economic choices. The information gathered through this collaboration and related projects will be shared between the Northern Chumash Tribal Council, the Coastal Band of the Chumash Nation, the Brotherhood of the Tomol, the Chumash Artist Guild, and the Northern Chumash Bear Clan. (STEP Funding)

Contact: Gabriel Roark

4. Informational Item – Update on Data Visualization and Exploration Tools.

Staff will provide an update on efforts to improve data communication, visualization, and public access, including progress made since the last update and expected progress for the remainder of the calendar year. Contact: Jason Harville (Staff Presentation: 5 minutes)

5. 2024 Transportation Fuels Assessment (Docket No. 23-SB-02).

Proposed resolution adopting the 2024 Transportation Fuels Assessment (TFA) pursuant to Senate Bill X1-2 (Stats. 2023, 1st Ex. Sess., ch. 1). The TFA identifies options to ensure a reliable supply of affordable and safe transportation fuels in California as well as inform the Transportation Fuels Transition Plan (TFTP) to be prepared by the CEC and California Air Resources Board (CARB), pursuant to Public Resources Code section 25371.3. Contact: Quentin Gee (Staff Presentation: 15 minutes)

6. Proposed Order Finding Sacramento Municipal Utility District (SMUD) Integrated Resource Plan (IRP) Compliant with Public Utilities Code Section 9621.

Proposed order adopting CEC's determination finding the SMUD IRP filing in compliance with Public Utilities Code Section 9621, and that it aligns with renewable electricity procurement and greenhouse gas emission reduction statutory requirements. Contact: Brian McCollough (Staff Presentation: 5 minutes).

7. Order Instituting Rulemaking (OIR): Efficiency Regulations for Televisions and Displays.

Proposed order instituting rulemaking proceeding to consider establishing efficiency standards, test procedures, marking requirements, certification requirements, and other appropriate regulations for televisions and similar devices, including outdoor and signage displays. The goal of this rulemaking is to reduce wasteful, uneconomic, inefficient, or unnecessary consumption of energy and, if applicable, water consumption. Additional changes to the CEC's appliance efficiency regulations may also be considered. Contact: Peter Strait (Staff Presentation: 5 minutes)

8. Office of Exposition Park Management.

Proposed resolution approving agreement 600-23-010 with the Office of Exposition Park Management for a \$5,000,000 contract, and adopting staff's determination that this action is exempt from CEQA. This contract will install Level 2 and direct current fast charging EV chargers, bus charging ports, solar photovoltaic equipment, and battery storage at a destination multi-use park and future Olympic venue in a disadvantaged and low-income community in Los Angeles. (Clean Transportation Program Funding) Contact: Myoung-Ae Jones (Staff Presentation: 5 minutes)

9. Center for Transportation and the Environment, Inc.

Proposed resolution approving agreement ZVI-24-004 with Center for Transportation

and the Environment, Inc. for a \$504,650 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will install three Level 2 dual port EV depot chargers and one Level 3 single port EV depot charger to support a zero emission (ZE) dump truck, ZE excavator, ZE pick-up truck, and ZE wheel loader in Glendale. This agreement is in coordination with a CARB grant agreement for ZE vehicles. (General Fund Funding) Contact: Ian Baird (Staff Presentation: 5 minutes)

10. Charging and Refueling Infrastructure for Transport in California Provided Along Targeted Highway Segments (CRITICAL PATHS) - GFO-23-602.

This solicitation sought to fund projects that support medium- and heavy-duty (MDHD) zero-emission vehicle (ZEV) charging or hydrogen refueling infrastructure along designated corridors. This item includes two agreements totaling \$24,206,382. (Clean Transportation Program and General Fund Funding) Contact: Vivian Nguyen (Staff Presentation: 5 minutes)

- a. WattEV, Inc. Proposed resolution approving agreement ZVI-23-031 with WattEV, Inc. for a \$13,203,368 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will install 70 combined charging system 240 kW EV chargers and 14 megawatt charging system 1200 kW EV chargers to provide publicly available charging for MDHD ZEVs along State Route 99 in Fresno, Interstate 80 in Stockton, and Interstate 580 in Oakland. The project will also support job training and recruitment in disadvantaged and low-income communities.
- b. Prologis Mobility LLC. Proposed resolution approving agreement ZVI-24-001 with Prologis Mobility LLC. for a \$11,003,014 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will install 68 direct current fast charging ports, 5 MWh of battery energy storage systems, and 2 hydrogen dispensers to provide publicly accessible charging and hydrogen refueling for MDHD ZEVs along Interstate 710 in Long Beach and Interstate 5 in Commerce. The project will also support job training and recruitment in disadvantaged and low-income communities.

11. Implementation of Medium- and Heavy-Duty Zero-Emission Vehicle Infrastructure Blueprints - GFO-23-603.

This solicitation sought to fund projects that implement ZEV charging or hydrogen refueling infrastructure projects developed and identified in the final blueprint planning documents resulting from GFO-20-601, Blueprints for Medium- and Heavy-Duty Zero-Emission Vehicle Infrastructure. This item includes three agreements totaling \$14,999,994 (General Fund and Clean Transportation Program Funding) Contact: Esther Odufuwa (Staff Presentation: 5 minutes).

- a. San Francisco Bay Area Water Emergency Transportation Authority. Proposed resolution approving agreement ARV-23-017 with San Francisco Bay Area Water Emergency Transportation Authority (WETA) for a \$4,999,994 grant, and adopting staff's determination that this action is exempt from CEQA. This

agreement will purchase and install a floating dock with EV supply equipment and a battery energy storage system, and support WETA's demonstration of a battery-electric ferry boat purchased with Bay Area Toll Authority and Metropolitan Transportation Commission funding.

- b. City of Long Beach. Proposed resolution approving agreement ZVI-23-027 with City of Long Beach for a \$5,000,000 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will support grid resiliency and stability with the installation of ten direct current fast charging EV chargers and a 2 MW battery backup system to support the City's MDHD EV fleet, and completing design and engineering for 214 Level 2 EV charging ports at multiple yards in Long Beach.
- c. Pilot Travel Centers LLC. Proposed resolution approving agreement ZVI-23-028 with Pilot Travel Centers LLC for a \$5,000,000 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will install two rapid hydrogen dispensers and one 25,000-gallon liquid hydrogen storage tank within an existing travel center in Lebec to provide a publicly accessible MDHD hydrogen refueling station along Interstate 5 and support workforce development in adjacent communities.

12. Innovative Charging Solutions for Medium- and Heavy-Duty Electric Vehicles - GFO-22-615.

This solicitation sought to fund projects that demonstrate transformative technology solutions and work to accelerate the successful commercial deployment of MDHD EV charging applications, including innovative business models and innovative technologies. This item includes five agreements totaling \$33,396,086. (General Fund Funding) Contact: Marc Perry (Staff Presentation: 5 minutes)

- a. Goodwill Industries of San Diego County. Proposed resolution approving agreement ZVI-23-020 with Goodwill Industries of San Diego County for a \$7,133,803 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will deploy a smart fleet charging depot in San Diego County using an innovative charging-as-a-service model, construct a solar/storage microgrid for sustainable power generation and storage, and create a charging infrastructure blueprint scalable for future expansion.
- b. SkyChargers, LLC. Proposed resolution approving agreement ZVI-23-030 with SkyChargers, LLC for a \$10,000,000 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will install 23 dual-port EV chargers for overnight truck charging, 12 dual-port direct current fast charging EV chargers for opportunity charging, and a 1.7 MW solar-powered microgrid and 1 MW battery energy storage system for reliability and resiliency at the Port of San Diego. This agreement will support an innovative "trucking-as-a-service" business model, which will provide independent owner-operators and small trucking drayage businesses with Class 8 battery-electric truck leasing.
- c. Penske Truck Leasing Co., L.P. Proposed resolution approving agreement ZVI-

23-022 with Penske Truck Leasing Co., L.P. for a \$7,928,257 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will install 22 360 kW chargers that will provide power to 36 dual-port dispensers and 16 single-port dispensers (52 ports total) at two sites in Hayward and San Leandro to support a growing MDHD EV rental fleet.

- d. WattEV, Inc. Proposed resolution approving agreement ZVI-23-029 with WattEV, Inc. for a \$4,996,464 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will develop, manufacture, install, and test a compact and high-powered alternating current to direct current converter, which will power both Megawatt Charging System and Combined Charging System dispensers for medium- and heavy-duty electric vehicle (EV) charging to support WattEV's trucking-as-a-service center at the Port of Long Beach.
- e. International Transportation Service, LLC. Proposed resolution approving agreement ZVI-23-018 with International Transportation Service, LLC for a \$3,337,562 grant, and adopting staff's determination that this action is exempt from CEQA. The agreement will install and deploy 15 hands-free EV charging stations at the Port of Long Beach, including five inductive chargers, five conductive chargers, and one surface-mounted dynamic charging rail capable of simultaneously charging five electric yard tractors while they are in operation at the terminal.

13. The Regents of the University of California, on behalf of the San Diego (UCSD).

Proposed resolution approving agreement EPC-24-011 with The Regents of the University of California, on behalf of the San Diego (UCSD) campus for a \$75,000 grant, and adopting staff's determination that this action is exempt from CEQA. This federal cost share agreement will leverage \$471,967 of U.S. Department of Energy (DOE) funding to California. This agreement will demonstrate an open-source control technology that will reduce plug load and lighting baseload by 25% through the control and technology integration at commercial sites including the UCSD campus. (EPIC Funding) Contact: Felix Villanueva. (Staff Presentation: 5 minutes)

14. Energy Efficiency and Load Flexibility in Industrial and Commercial Cold Storage Facilities - GFO-23-301.

This solicitation sought to fund projects that deploy advanced energy efficiency and load reduction technologies in industrial and commercial cold storage facilities to reduce greenhouse gas emissions, enable load-shifting capabilities to benefit the grid, and gather real-world energy data to help existing and planned cold storage and refrigeration facilities reduce energy use and costs. This item includes four agreements totaling \$9,297,460. (EPIC Funding) Contact: Christian Fredericks. (Staff Presentation: 10 minutes)

- a. The Regents of the University of California, on behalf of the Santa Barbara Campus. Proposed resolution approving agreement EPC-24-012 with The Regents of the University of California, on behalf of the Santa Barbara Campus for a \$2,420,982 grant, and adopting staff's determination that this action is

exempt from CEQA. This agreement will demonstrate and enhance the scalability of advanced energy efficiency, load reduction, and thermal load shifting technologies in industrial refrigerated warehouses in Riverside County using artificial intelligence-based control solutions.

- b. Electric Power Research Institute, Inc. Proposed resolution approving agreement EPC-24-013 with the Electric Power Research Institute, Inc. for a \$2,165,928 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will demonstrate and deploy advanced integrated load-flexible technologies in an industrial cold-storage facility in Los Angeles County. The project will facilitate the implementation of various load flexibility programs, ranging from dynamic pricing to incentive-driven load flexibility efforts.
- c. Nelumbo Inc. Proposed resolution approving agreement EPC-24-014 with Nelumbo Inc. for a \$2,910,550 grant, and adopting staff's determination that this action is exempt from CEQA. This agreement will take place in Hayward and develop an advanced nano-structured ceramic coating for refrigeration coils to reduce energy usage during the refrigeration defrost cycle by reducing frost formation, rate of growth, and enhancing frost removal.
- d. Prospect Silicon Valley. Proposed resolution approving agreement EPC-24-015 with Prospect Silicon Valley for a \$1,800,000 grant, and adopting staff's determination that this action is exempt from CEQA. The agreement will install a heat pump system at a facility in Sonoma County to provide low temperature and medium temperature refrigeration through a new hybrid booster system that will interface with a custom evaporator that uses heat reclaimed from the refrigeration cycle to defrost for little to no additional energy.

15. Distributed Electricity Backup Assets Program Bulk Grid Asset Enhancements for Grid Reliability - GFO-23-401.

City of Roseville. Proposed resolution approving agreement DBA-24-001 with the City of Roseville for \$1,374,747, and adopting staff's determination that this action is exempt from CEQA. This agreement will purchase, install, and report performance of efficiency upgrades to improve performance of the Roseville State Power Augmentation Project generators. The project will install evaporative coolers and natural gas compression to allow the combined output to increase by 9.5 MW from 44.5 to 54 MW. (DEBA Funding) Contact: Ashley Emery (Staff Presentation: 5 minutes)

16. Minutes.

Possible Approval of the June 26, 2024 Business Meeting minutes.

17. Lead Commissioner or 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.

18. Executive Director's Report.

19. Public Advisor's Report.

20. 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).

In-Person Instructions

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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)