

DOCKETED

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Project Title:	2024 Business Meeting Agendas, Transcripts, Minutes, and Public Comments
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STATE OF CALIFORNIA

**STATE ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION**

IN THE MATTER OF:

**Southern California Public Power Authority
Emission Performance Standard
Compliance Filing**

Docket No. 24-EPS-01

I. INTRODUCTION

Pursuant to Public Utilities Code section 8341(e)(1), the California Energy Commission (CEC) established a greenhouse gases emission performance standard (EPS) of 1,100 pounds carbon dioxide per megawatt hour, as codified in Title 20 of the California Code of Regulations, section 2900 et seq. The CEC is responsible for reviewing all long-term financial commitments entered into by local publicly owned electric utilities for compliance with the EPS.

II. FINDINGS

a. On May 10, 2024, the Southern California Public Power Authority (SCPPA) submitted a compliance filing requesting that the CEC find that SCPPA's amended Power Purchase Agreement with Star Peak Geothermal LLC for electricity from a geothermal facility from the Star Peak Geothermal Energy Project be determined to be compliant with the EPS;

b. CEC staff reviewed SCPPA's filing and found it complete. Based on its review, on May 14, 2024, staff recommended that the amended procurement be found to be in compliance with the EPS; specifically, staff concluded that the geothermal facility listed in the PPA is determined to be compliant with the EPS under section 2903(b)(1) of the Public Resources Code and the Delta Energy Center is determined to be compliant with the EPS under section 2902(a) of the Public Resources Code; and

c. The CEC concurs with staff's recommendation that SCPPA's compliance filing is complete and that the contract with Star Peak Geothermal LLC, as described in the compliance filing, complies with the EPS.

III. CONCLUSION AND ORDER

The CEC hereby adopts staff's recommendation and orders that the long-term financial commitment described in SCPPA's compliance filing complies with the CEC's Greenhouse Gases Emission Performance Standard, as codified in Title 20 of the California Code of Regulations, section 2900 et seq.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on July 10, 2024.

AYE: Monahan, Gallardo, Gunda

NAY: NONE

ABSENT: Hochschild, McAllister

ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Alliance for Sustainable Energy, LLC

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves amendment 2 to Agreement 600-22-008 with Alliance for Sustainable Energy, LLC. The amendment will increase the project budget by \$700,000 to \$1,075,000, extend the project term by one year, and modify the scope of work to provide electric vehicle charging infrastructure modeling support for the Third Electric Vehicle Charging Infrastructure Assessment under Assembly Bill 2127 (Ting, Chapter 365, Statutes of 2018);; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on July 10, 2024.

AYE: Monahan, Gallardo, Gunda
NAY: NONE
ABSENT: Hochschild, McAllister
ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Gridtractor, A California Corporation

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement ZVI-23-025 with Gridtractor, A California Corporation for up to \$28,199,009. This agreement provides \$2,499,987 to develop dynamic rates, deploy up to 30 chargers for electric farm vehicles with load management capabilities, and integrate load management software into up to 69 existing chargers in agricultural settings across various California counties. Additional funding up to the \$28,199,009 total may, with approval from the CEC's Executive Director through an amendment, be added to deploy up to 600 additional chargers; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

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AYE: Monahan, Gallardo, Gunda

NAY: NONE

ABSENT: Hochschild, McAllister

ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: The Regents of The University of California, on behalf of the San Diego campus

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement ARV-24-003 with The Regents of the University of California, on behalf of the San Diego campus, for a \$7,030,648 grant. This agreement will install at least 653 Level 2 EV charging ports to support convenient, high-visibility, low-cost charging at four locations on or near the University of California San Diego campus; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

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AYE: Monahan, Gallardo, Gunda
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ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: EVIUM CHARGING, LLC

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves an additional \$129,743 in funding for agreement ZVI-23-019 with EVIUM CHARGING, LLC for a total of \$4,756,590. This agreement will deploy and collect data on 474 Level 2 EV chargers at 13 sites at multi-family housing properties throughout the counties of Orange, Riverside, Los Angeles, and San Diego; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

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ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

ADOPTION OF REPORTS: ASSEMBLY BILL 525 OFFSHORE WIND ENERGY STRATEGIC PLAN VOLUME I: OVERVIEW REPORT, ASSEMBLY BILL 525 OFFSHORE WIND ENERGY STRATEGIC PLAN VOLUME II: MAIN REPORT, AND ASSEMBLY BILL 525 OFFSHORE WIND ENERGY STRATEGIC PLAN VOLUME III: APPENDICES

WHEREAS, the legislature has found and declared that offshore wind energy can contribute to a diverse, secure, reliable, and affordable renewable energy resource portfolio to serve the electricity needs of California ratepayers and improve air quality, particularly in disadvantaged communities; and

WHEREAS, the California Energy Commission (CEC) has actively participated in the Intergovernmental Renewable Energy Task Force, established in 2016 with representatives from federal, state, local, and federally recognized tribal governments working together to identify opportunities for renewable energy leasing and development off the coast of California; and

WHEREAS, in May 2021 Governor Gavin Newsom signed an agreement on behalf of the State of California with the U.S. Department of the Interior and the U.S. Department of Defense opening the West Coast for offshore wind energy development for the first time in the state's history; and

WHEREAS, through coordination with the Intergovernmental Renewable Energy Task Force and an extensive stakeholder outreach and engagement process, the U.S. Department of the Interior's Bureau of Ocean Energy Management (BOEM), who is responsible for overseeing renewable energy development in federal waters of the Outer Continental Shelf, held an offshore wind energy lease sale on December 6 and 7, 2022, awarding five leases, two off the north coast and three off the central coast; and

WHEREAS, Assembly Bill 525 (AB 525, Chiu, Chapter 231, Statutes of 2021) directs the CEC to "develop a strategic plan for offshore wind energy developments installed off the California coast in federal waters," and to submit the strategic plan to the Natural Resources Agency and the Legislature, and

WHEREAS, the CEC published the draft reports on January 19, 2024, for public review and comment consistent with Public Resources Code section 25991 subdivision (f); and

WHEREAS, the CEC conducted a two-day workshop on March 20, 2024, and March 29, 2024, to solicit input from stakeholders on these reports, consistent with Public Resources Code section 25991 subdivision (f); and

WHEREAS, the CEC, after considering all comments received and summarizing the comments in these reports, published the proposed final versions on July 25, 2024.

THEREFORE BE IT RESOLVED, the CEC hereby adopts the final reports *Assembly Bill 525 Offshore Wind Energy Strategic Plan Volume I: Overview Report, Assembly Bill 525 Offshore Wind Energy Strategic Plan Volume II: Main Report, and Assembly Bill 525 Offshore Wind Energy Strategic Plan Volume III: Appendices*, incorporating any changes presented and adopted today along with any non-substantive changes such as typographical corrections, and directs CEC staff to submit the document to the Natural Resources Agency and the relevant fiscal and policy committees of the Legislature by July 10, 2024, and make the document accessible to state, local, and federal entities and the public.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on July 10, 2024.

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ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

**Emergency Rulemaking
Implementing Revised SB X1-2
Merchant Terminal Position Holder
Reporting Requirements**

Docket No. 23-OIR-03

**RESOLUTION ADOPTING
EMERGENCY REGULATIONS**

WHEREAS, the Legislature enacted, and the Governor signed Senate Bill (SB) X1-2 (Stats. 2023, 1st Ex. Sess. 2023, ch.1), which, among other things, added section 25354(k) in Chapter 4.5 of Division 15 of the Public Resources Code; and

WHEREAS, to improve reporting of data to the CEC about the petroleum market that is essential for the CEC's oversight functions and for the state to develop and administer energy policies in the best interests of the state and public welfare, Public Resources Code section 25367 authorizes the CEC to adopt regulations to implement Chapter 4.5 of Division 15 of the Public Resources Code, including the proposed regulations clarifying and revising reporting requirements related to transportation fuel inventory by position holder at merchant terminals; and

WHEREAS, Section 25367 states that the adoption of these regulations shall be considered by the Office of Administrative Law (OAL) as an emergency, and necessary for the immediate preservation of the public peace, health, safety, and general welfare. Notwithstanding any law, the emergency regulations adopted to implement this chapter shall remain in effect for two years; and

WHEREAS, with gasoline prices continuing to spike and affecting Californians on a daily basis, it is imperative to quickly adopt these reporting requirements to immediately begin gathering the identified data to provide greater transparency to the petroleum market and provide the information needed to better address and understand the causes of these price spikes and prevent their continued occurrence; and

WHEREAS, on March 29, 2024, the CEC noticed and on April 11, 2024, held a workshop to discuss proposed changes to the regulations; and

WHEREAS, on April 10, 2024, CEC staff published the draft proposed regulation changes; and

WHEREAS, at the April 11, 2024 workshop CEC staff presented an overview of the proposed regulations and established a written comment period up to and including April 25, 2024; and

WHEREAS, the CEC received several comment letters relevant to the proposed regulations during the written comment period; and

WHEREAS, CEC staff engaged with stakeholders throughout this process and modified the proposed regulations based on feedback received; and

WHEREAS, on June 28, 2024, in the proceeding docket and business meeting webpage, the CEC provided notice that it designated July 10, 2024, as the date for the business meeting to consider adoption of the proposed emergency regulations; and

WHEREAS, on June 28, 2024, more than five working days prior to submission of the proposed emergency action to OAL, the CEC provided notice of the proposed action, which included the proposed emergency regulations, to persons who have expressed interest in this proceeding, including every person who has filed a request for notice of regulatory action with the agency; and

WHEREAS, on July 10, 2024, the CEC considered the proposed emergency regulations at its business meeting.

THEREFORE, THE CALIFORNIA ENERGY COMMISSION FINDS:

With regard to the California Environmental Quality Act (CEQA):

- The CEC has considered the application of CEQA to the proposed emergency regulations and concluded that adoption of the proposed emergency regulations is not a project under CEQA (Cal. Code Regs., tit. 14, § 15378(a)) because the regulations will not result in a physical change to the environment or reasonably foreseeable indirect physical change to the environment. Even if adoption of the proposed emergency regulations were determined to be a project, this action would nonetheless be categorically exempt from CEQA under the Class 6 Information Collection exemption (Pub. Resources Code, § 15061(b)(2); Cal. Code Regs., tit. 14, § 15306) and would also be exempt from CEQA under the common sense exemption. (Cal. Code Regs., tit. 14, § 15061(b)(3).); and

With regard to the Administrative Procedure Act:

- The proposed regulations are deemed an emergency by statute, are supported by an express statement containing specific facts demonstrating the existence of an emergency, and the CEC has express statutory authority to seek approval of these regulations implementing Chapter 4.5 of Division 15 of the Public Resources Code, including the merchant terminal position holders reporting requirements in section 25354(k) through OAL's emergency rulemaking procedures; and
- The proposed emergency regulations will impose no direct costs or savings, or direct or indirect requirements or mandates, on state agencies, local agencies, or school districts, including but not limited to costs that are required to be reimbursed under Part 7 (commencing with Section 17500) of Division 4 of the Government Code; and
- The proposed emergency regulations will result in no costs or savings in federal funding to the State of California; and
- The proposed emergency regulations will result in no nondiscretionary costs or savings to any state agencies, local agencies, or school districts.

THEREFORE, BE IT RESOLVED that, based on the entire record before it, the CEC finds that adoption of the proposed emergency regulations is not a project under CEQA (Cal. Code Regs., tit. 14, § 15378(a)) because the regulations will not result in a direct physical change to the environment or reasonably foreseeable indirect physical change to the environment. The adoption of the proposed emergency regulations is also exempt from CEQA as a categorical exemption under the Class 6 Information Collection exemption (Pub. Resources Code, § 15061(b)(2); Cal. Code Regs., tit. 14, §15306) and adoption of the regulations would also be exempt from CEQA under the common sense exemption. (Cal. Code Regs., tit. 14, § 15061(b)(3).); and

FURTHER BE IT RESOLVED that, after considering all comments received and based on the entire record of this proceeding, the CEC hereby adopts the emergency regulations implementing the merchant terminal position holders reporting requirements as published on June 28, 2024 and incorporating any changes presented and adopted today. The CEC takes this action under the authority of sections 25213, 25218(e), 25354, and 25367 of the Public Resources Code, which among other powers conferred authorize the CEC to adopt emergency regulations, as reasonable and necessary, to implement Chapter 4.5 of Division 15 of the Public Resources Code; and

FURTHER BE IT RESOLVED that documents and other materials that constitute the rulemaking record can be found at the CEC, 715 P Street, Sacramento, California, 95814 in the custody of the Docket Unit and online in Docket Number 23-OIR-03, at

<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=23-oir-03> and posted on the CEC's website; and

FURTHER BE IT RESOLVED that, the CEC delegates the authority and directs CEC staff to take, on behalf of the CEC, all actions reasonably necessary to have the proposed emergency regulations go into effect, including but not limited to making any appropriate non-substantive changes to the regulations; preparing all appropriate documents; compiling and submitting the rulemaking file to the Office of Administrative Law (OAL); making any changes to the rulemaking file required by OAL; and filing a notice of exemption with the Office of Planning and Research. This delegation explicitly includes authority for the Executive Director or Chief Deputy Director to sign the Form 400 on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on July 10, 2024.

AYE: Monahan, Gallardo, Gunda

NAY: NONE

ABSENT: Hochschild, McAllister

ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

**CHEERS Application for Modification
of its Residential Data Registry under
the 2022 Energy Code**

Docket No.: 22-HERS-01

**ORDER TO (1) RE-CERTIFY CHEERS
AS A HOME ENERGY RATING
SYSTEM PROVIDER AND (2)
APPROVE MODIFICATION OF THE
CHEERS 2022 ENERGY CODE
RESIDENTIAL DATA REGISTRY TO
INCLUDE LOW-RISE MULTIFAMILY
BUILDING TYPES**

I. BACKGROUND

The Warren-Alquist Act directs the California Energy Commission (CEC) to establish criteria for a statewide Home Energy Rating System (HERS) program. The CEC's California HERS program regulations establish requirements for home energy rating services offered by providers (including the providers' training and certification of raters) and for the CEC's certification of providers. The regulations define a provider as an organization that administers a California HERS program.¹

The 2022 Building Energy Efficiency Standards (Energy Code) requires field verification and diagnostic testing (FV&DT) of specified residential energy efficiency measures to demonstrate compliance with the Energy Code.² This testing must be performed by raters who are certified by a CEC-approved HERS provider. Additionally, the 2022 Energy Code describes the approval process as well as functional and technical requirements for a residential data registry. Finally, "[f]or residential compliance document registration, the Registration Provider shall be approved in accordance with the requirements in Section JA7.8, and shall also be a HERS Provider approved by the Energy Commission."³

¹ California Code of Regulations, title 20, section 1671.

² California Code of Regulations, title 24, part 1, section 10-103(a).

³ 2022 Reference Appendices, Joint Appendix section JA7.4.1 Registration Provider

California Home Energy Efficiency Ratings Services (CHEERS), an approved HERS provider, has applied to modify its 2022 Energy Code residential data registry to incorporate low-rise multifamily projects and compliance documents.

II. EXECUTIVE DIRECTOR'S RECOMMENDATION

On January 15, 2024, CHEERS submitted an application to the CEC requesting modification of a residential data registry under section 10-109(g) of the 2022 Energy Code. CHEERS submitted subsequent application materials, with the final filing, including revisions, received on May 13, 2024.

Staff determined the application to be complete, pursuant to Title 20 of the California Code of Regulations (CCR) section 1674(c)2, and Title 24 section 10-110(b), a public notice was posted to docket number [22-HERS-01](#).⁴ The notice provided an opportunity for public comment and any comments received were considered as of May 8, 2024.

As specified in 20 CCR section 1674(f), staff reviewed and validated all information received and determined that CHEERS meets the criteria to administer a California HERS Program and oversee raters conducting FV&DT under the 2022 Energy Code.

Staff concluded that CHEERS has met the requirements specified in the 2022 Energy Code. Staff has also concluded that CHEERS has met the requirements of 20 CCR section 1674 for re-certification as a HERS provider.

On June 11, 2024, the executive director concurred with these conclusions and signed a recommendation to approve the CHEERS application and to recertify CHEERS as a HERS provider. A copy of the recommendation was sent to CHEERS on June 17, 2024, which was at least fifteen business days before the next scheduled business meeting as required by 20 CCR section 1674(c)(5). Staff also posted the recommendation to docket log 22-HERS-01.

III. ENERGY COMMISSION FINDINGS

1. 24 CCR section 10-109(g) requires a previously submitted data registry application to undergo resubmittal and approval to the Commission if it has undergone changes. CHEERS has submitted modifications to the CHEERS residential data registry to register low-rise multifamily compliance documents for the 2022 Energy Code.
2. 20 CCR section 1674(f) requires where this changed information could affect the provider's compliance with these regulations, the Energy Commission may require that the provider be recertified. The Energy Commission found that the changes could affect the Provider's compliance with these regulations and, therefore, required the Provider to undergo recertification.

⁴ Available at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-HERS-01>

3. Pursuant to 24 CCR section 10-110(a), within 75 days of receipt of an application the executive director shall determine if the application is complete. The application was determined complete on April 22, 2024.
4. 24 CCR section 10-110(b) allows the public the opportunity to comment on the proposed modifications once an application is determined complete. A public notice was posted to docket number 22-HERS-01. The notice provided an opportunity for public comment, and any comments received were considered as of May 8, 2024. No adverse comments were received.
5. 20 CCR section 1674(c) requires the executive director to provide a copy of their evaluation to all interested persons and provide the applicant and the Energy Commission a written recommendation that approves or denies the application. Meanwhile, 24 CCR section 10-110(f) requires the complete application package, any additional information considered by the executive director, and the executive director's recommendation to be considered at the next business meeting after submission of the recommendation. On June 11, 2024, the executive director recommended CHEERS data registry modification be approved and to recertify CHEERS as a HERS provider. On June 17, 2024, a copy of the recommendation was sent to the applicant as required by 20 CCR 1674(c)(5).
6. The Energy Commission confirms the executive director's recommendation and finds that the requirements of 20 CCR 1674 and 24 CCR 10-110 have been met. Therefore, CHEERS has met the requirements to be recertified as a HERS Provider and to register low-rise multifamily compliance documents.

IV. CONCLUSION AND ORDER

The CEC hereby recertifies CHEERS as a HERS provider and approves the modifications to the CHEERS residential data registry to register low-rise multifamily compliance documents for the 2022 Energy Code.

IT IS SO ORDERED.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on July 10, 2024.

AYE: Monahan, Gallardo, Gunda

NAY: NONE

ABSENT: Hochschild, McAllister

ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

**RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION ADOPTING THE
REVISED 2023 ADDITIONAL ACHIEVABLE FUEL SUBSTITUTION HOURLY
RESULTS OF THE CALIFORNIA ENERGY DEMAND 2023-2040 FORECAST**

WHEREAS, Public Resources Code section 25301(a) requires the California Energy Commission (CEC) to "conduct assessments and forecasts of all aspects of energy industry supply, production, transportation, delivery and distribution, demand, and prices" and to "use these assessments and forecasts to develop and evaluate energy policies and programs that conserve resources, protect the environment, ensure energy reliability, enhance the state's economy, and protect public health and safety"; and

WHEREAS, the Integrated Energy Policy Report (IEPR) contains these assessments and associated policy recommendations and is adopted every two years, with an Integrated Energy Policy Report Update being adopted each interim year; and

WHEREAS, the 2023 IEPR included six Additional Achievable Fuel Substitution (AAFS) scenarios for the California Energy Demand 2023-2040 Forecast adopted in February 2024 and the 2023 Gradual Transformation AAFS scenario adopted in May 2024; and

WHEREAS, CEC staff discovered an error in the AAFS input mapping file used in the development of the AAFS scenarios; and

WHEREAS, CEC staff developed a revision of the AAFS scenarios impacting the electric hourly results for the California Energy Demand 2023-2040 Forecast; and

WHEREAS, CEC staff consulted with appropriate state and federal agencies in developing the revisions to the California Energy Demand Forecast, 2023-2040 including, but not limited to, the California Public Utilities Commission (CPUC), the California State Air Resources Board (CARB), and the California Independent System Operator (CAISO); and

WHEREAS, CEC staff held a Demand Analysis Working Group Meeting on June 12, 2024, to discuss the revisions to the hourly results for the AAFS Scenarios and the implications to the California Energy Demand 2023-2040 Forecast, and make the revised data files publicly available on the CEC website; and

WHEREAS, on June 24, 2024, staff docketed the Notice of Availability for the Revised 2023 Additional Achievable Fuel Substitution Hourly Results of the California Energy Demand 2023-2040 Forecast in Docket No. 23-IEPR-03 identifying the documents that

make up the revised scenarios, including forecasts for electricity demand impacts for each of the major planning areas and for the state as a whole; and

THEREFORE BE IT RESOLVED, the CEC hereby adopts the Revised 2023 Additional Achievable Fuel Substitution Hourly Results of the California Energy Demand 2023-2040 Forecast along with any changes identified at its July 10, 2024, Business Meeting, and directs CEC staff to make the revised forecast available to the public.

It is so Ordered.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on July 10, 2024.

AYE: Monahan, Gallardo, Gunda
NAY: NONE
ABSENT: Hochschild, McAllister
ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Build It Green

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-005 with Build It Green for a \$4,775,000 grant. This project will design and develop and create a business plan for an easy-to-use electrical panel optimization tool to guide single family homeowners to adopt cost-effective electrification pathways that avoid unnecessary panel upsizing and increased grid loads; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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AYE: Monahan, Gallardo, Gunda
NAY: NONE
ABSENT: Hochschild, McAllister
ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Sacramento Municipal Utility District

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement LDS-24-001 with Sacramento Municipal Utility District (SMUD) for a \$10,000,000 grant. This project will demonstrate a long duration energy storage system with a 3.6 MW, 8-hour battery at a SMUD facility in Sacramento and its capability and reliability to support grid distribution and transmission systems; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Swift Solar Inc.

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-001 with Swift Solar Inc. for a \$2,999,880 grant. This agreement will fund the design and build-out of an LRIP line to manufacture high-performance perovskite-silicon tandem photovoltaic (PV) modules, including testing for efficiency and reliability in multiple applications, at a research and development site in the San Francisco Bay Area; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

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ABSENT: Hochschild, McAllister
ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Stasis Energy Group LLC

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-002 with Stasis Energy Group LLC for a \$1,878,583 grant. This agreement will expand the manufacturing capabilities for a novel thermal energy storage system, which can be easily added to any existing Heating, Ventilation, and Air Conditioning (HVAC) system to dramatically reduce late-day peak air conditioning energy demand, through the design and implementation of a LRIP line at a manufacturing facility in Southern California; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on July 10, 2024.

AYE: Monahan, Gallardo, Gunda
NAY: NONE
ABSENT: Hochschild, McAllister
ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Rincell Corporation

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-003 with Rincell Corporation for a \$2,999,528 grant. This agreement will fund the design and build-out of an LRIP line to manufacture high capacity, fast charging silicon anode lithium batteries with significantly higher cycle life and safety characteristics compared to other silicon anode technologies; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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ABSTAIN: NONE

Dated: July 11, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Sonocharge Energy, Inc.

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-004 with Sonocharge Energy, Inc. for a \$3,000,000 grant. This agreement will develop an LRIP line for integrating surface acoustic wave technology into lithium-ion battery packs to enhance energy density and charging capabilities, to take place in San Diego; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Harvest Thermal, Inc.

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-006 with Harvest Thermal for a \$1,658,385 grant. This agreement, occurring in Alameda County, will develop an LRIP line to accelerate commercialization of a system that converts an ordinary water tank into a thermal battery which, combined with a smart controller, delivers space heating and hot water when needed, using the cleanest and cheapest electricity; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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STATE OF CALIFORNIA
STATE ENERGY RESOURCES
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RESOLUTION: Sylvatex, Inc.

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-007 with Sylvatex, Inc. for a \$2,290,685 grant. This agreement will develop a megawatt-hour (MWh) scale LRIP line in Alameda of high-performance, low-cost cathode active material for lithium-ion batteries suitable for use in EVs and energy storage systems; and

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Kristine Banaag
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STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: BoxPower Inc.

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-008 with BoxPower Inc. for a \$2,988,031 grant. This agreement will advance the development of a turnkey containerized microgrid product to the LRIP line stage in Grass Valley, providing a utility grade renewable energy supply capable of rapid deployment to any location; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Current Ways, Inc.

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-009 with Current Ways, Inc. for a \$2,191,398 grant. This agreement will fund the design and build-out of an LRIP line to manufacture a high-performance onboard bidirectional EV charger in Ventura County; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Wrightspeed, Inc.

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement EPC-24-010 with Wrightspeed, Inc for a \$3,000,000 grant. This agreement will fund the design and build-out of LRIP lines for a repower kit that enables the conversion of diesel medium-duty and heavy-duty trucks to EVs at a manufacturing facility in Alameda County; and

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STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Dry Creek Rancheria Band of Pomo Indians

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement TCA-24-001 with Dry Creek Rancheria Band of Pomo Indians for a \$199,973 grant. The Dry Creek Rancheria Band of Pomo Indians will treat approximately 57 acres of Dry Creek Rancheria Band of Pomo Indians' Tribal Trust Land in Geyserville for pre- and post-fire fuel reduction, along with re-vegetation management using native plants and Traditional Ecological Knowledge. The project will document Tribal traditional management practices; forest health issues; the application of fire in modern and historic silviculture practice; and the comparison of traditional tribal practice to western forest management; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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Kristine Banaag
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STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Northern Chumash Tribal Council

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement TCA-24-002 with Northern Chumash Tribal Council for a \$199,070 grant. This project will support the Northern Chumash Tribal Council in its efforts to support the inclusion of indigenous ways of knowing into management decisions for a new federal sanctuary, the Chumash Heritage National Marine Sanctuary, off of the Central California coast. The project's goals include reducing the carbon footprint of research by using low emissions and traditional Chumash methodologies that protect marine species and reduce the cost of sampling. This helps address cost and accessibility issues that limit climate-related research and data collection participation, particularly by marginalized groups. Including local Tribal groups will highlight indigenous knowledge systems and expand equitable access when managing traditional waters; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Karuk Tribe

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement TCA-24-004 with Karuk Tribe for a \$200,000 grant. The Karuk Tribe will focus on restoring traditional food sources to Karuk community gathering areas in Karuk Aboriginal Territory. Karuk staff will gather seed and grow plants in a traditional food nursery at the Tishaniik Tribal Farm, identifying which traditional foods will thrive in the low elevation river climate at the farm, and how those plants can be returned to burned areas and tended to survive into maturity. This project will address the concerns that climate change has brought to traditional food sources by adding a traditional food component to the Tishaniik Tribal Farm; and

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STATE OF CALIFORNIA
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RESOLUTION: Pala Band of Mission Indians

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement TCA-24-005 with the Pala Band of Mission Indians for a \$176,998 grant. This project will provide user-friendly tools and data for tribes to conduct climate change resilience planning for extreme heat in and near Pala. By adapting the proven Exposures, Impacts, and Strategies Inventory (EISI) tool into an interactive module on the California Healthy Places Index: Extreme Heat Edition map platform, tribes can dynamically map critical heat impacts, sensitive populations, and adaptive capacities in their communities. The platform will provide tribes with customized lists of relevant adaptation strategies; and

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STATE OF CALIFORNIA
STATE ENERGY RESOURCES
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**RESOLUTION: Mono Lake Kutzadika Indian Community Cultural Preservation
Association**

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement TCA-24-006 with Mono Lake Kutzadika Indian Community Cultural Preservation Association for an \$81,701 grant. This project will document and better understand traditional stewardship practices within pinyon pine forests in or near Lee Vining. Pinyon pine forests are the source of Tuba'a, a large nut that provides an important traditional food for the Tribe. Today with climate change, there are notable changes to pinyon forests, but the changes could be attributed to climate change, past agency management, disruption of traditional stewardship, or some combination of these and other factors. Documenting the changing dynamics of pinyon pine forests will allow for a more focused direction in managing the forests using traditional stewardship and Western science; and

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Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Tamien Nation

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the CEC approves agreement TCA-24-007 with Tamien Nation for a \$200,000 grant. The Tamien Nation Climate Resilience Project seeks to revitalize indigenous cultural stewardship practices to strengthen climate and wildfire resilience on ancestral lands. The project will provide professional hands-on training for the tribal cultural fire and land stewardship crew. The project will also concentrate on enhancing fire protection at Henry Coe State Park in Santa Clara County, long-term sustainability, and community education on climate change impacts; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

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