

**DOCKETED**

<b>Docket Number:</b>	22-BUSMTG-01
<b>Project Title:</b>	Business Meeting Agendas, Transcripts, Minutes, and Public Comments
<b>TN #:</b>	241391
<b>Document Title:</b>	Order and Resolution for January 26, 2022 Business Meeting
<b>Description:</b>	N/A
<b>Filer:</b>	Liza Lopez
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	2/3/2022 2:26:59 PM
<b>Docketed Date:</b>	2/3/2022

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: ASPEN ENVIRONMENTAL GROUP**

**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 700-18-001 with the Aspen Environmental Group for a \$350,000 augmentation and time extension to assist in evaluating applications for energy facilities and transmission corridor designations, monitoring compliance for permitted facilities, reviewing petitions to amend or modify permitted facilities, greenhouse gases and global climate change and natural gas pipeline safety assessments; and supporting other activities in the areas of environmental impact assessment, engineering, and related regulatory matters; 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 January 26, 2022.

AYE: Hochschild, Gunda, Douglas, McAllister, Monahan

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: UNIVERSITY OF CALIFORNIA, BERKELEY, ENERGY INSTITUTE  
AT HAAS SCHOOL OF BUSINESS.**

**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 800-21-002 with the Energy Institute for a \$15,000 contract to co-sponsor the 2022 POWER Conference on Energy Research and Policy scheduled in Berkeley on March 11, 2022. The 2022 POWER Conference will focus on electricity markets and policy; 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 January 26, 2022.

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

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: ALLOTROPE PARTNERS 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 ZVI-21-013 with Allotrope Partners LLC for a \$175,256 grant to assess and scope the potential to utilize zero-emission vehicles (ZEVs) in the logging and biomass transport industry, in particular the potential to convert logging trucks delivering logs to sawmills and chip trucks delivering wood chips to biomass power plants; 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 January 26, 2022.

AYE: Hochschild, Gunda, Douglas, McAllister, Monahan

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

*IN THE MATTER OF:*

**2019 BUILDING ENERGY EFFICIENCY  
STANDARDS, CALIFORNIA CODE OF  
REGULATIONS, TITLE 24, PARTS  
1 AND 6**

Docket No. 13-ATTCP-01

**RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION  
APPROVING THE CALIFORNIA STATE PIPE TRADES COUNCIL'S PROPOSED  
MECHANICAL ACCEPTANCE TEST TECHNICIAN CERTIFICATION PROVIDER  
AMENDMENT APPLICATION FOR THE 2019 BUILDING ENERGY EFFICIENCY  
STANDARDS CONCERNING APPLICANT PREREQUISITES**

**WHEREAS**, Section 10-103.2(f) of the Building Energy Efficiency Standards (codified in Title 24, Part 6, of the California Code of Regulations), permits acceptance test technician certification providers to submit an amendment to their approved application; and

**WHEREAS**, amendments submitted after approval of an application that contain any substantive changes are subject to the Application Review and Determination process specified in Section 10-103.2(e); and

**WHEREAS**, the California State Pipe Trades Council (CSPTC) submitted a proposed amendment to their approved application on September 15, 2021, which proposes to modify applicant training prerequisites; and

**WHEREAS**, the executive director posted a staff report on December 14, 2021, which evaluated the proposed application amendment, determined that the proposed changes to the acceptance test technician applicant prerequisites outlined in it satisfy the requirements in Section 10-103.2(c)3Biii of the 2019 Building Energy Efficiency Standards, and recommended approval of CSPTC's proposed amendment; and

**WHEREAS**, the executive director posted a Notice of Availability concerning CSPTC's amendment and CEC staff's evaluation on December 14, 2021 to Docket #13-ATTCP-01, and provided notice to relevant stakeholders via applicable listservs, for a 15-day public comment period ending December 30, 2021; and

**WHEREAS**, the CEC has considered the executive director's recommendation, all written comments submitted, oral comments made at today's business meeting, and CEC staff's responses to all comments on this matter.

**THEREFORE BE IT RESOLVED**, that the CEC finds that the acceptance test technician applicant prerequisites proposed by CSPTC meet the requirements in Section 10-103.2(c) of the 2019 Energy Code; and

**FURTHER BE IT RESOLVED**, that the CEC confirms the executive director's determinations set forth in the December 14, 2021 staff report, adopts their recommendation, and approves CSPTC's proposed acceptance test technician applicant prerequisites as described in their September 15, 2021 application; 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 Commission 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 January 26, 2022.

AYE: Hochschild, Gunda, Douglas, McAllister, Monahan

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

*IN THE MATTER OF:*

Docket No. 21-IEPR-03

THE 2021 INTEGRATED ENERGY  
POLICY REPORT

RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION ADOPTING THE  
CALIFORNIA ENERGY DEMAND FORECAST UPDATE, 2021-2035

**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 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 CEC consulted with appropriate state and federal agencies in developing the Demand Forecast 2021 including, but not limited to, the Public Utilities Commission, the State Air Resources Board, and the Independent System Operator.

**WHEREAS**, the CEC held workshops on August 5, 2021, December 2, 2021, and December 16, 2021, and Demand Analysis Working Group Meetings were held on May 5, 2021, June 23, 2021, July 15, 2021, September 9, 2021, September 14, 2021, and September 30, 2021 to discuss the California Energy Demand Forecast Update, 2021-2035 (Demand Forecast 2021); and

**WHEREAS**, on January 14, 2022, staff docketed the Notice of Availability for the Demand Forecast 2021, which identifies the documents that make up the forecast update, including forecasts for electricity consumption, retail electricity sales, and peak and hourly demand for each of the major planning areas and for the state as a whole; and

**WHEREAS**, the Demand Forecast 2021 provides forecasts which reflect expected impacts from recent economic and demographic projections, projections of electric vehicle adoption, and projections of behind-the-meter photovoltaic and storage

system adoption and which are consistent with the latest historical data available for consumption, peak demand, temperatures, and electricity rates; and

**WHEREAS**, the Demand Forecast 2021 includes three baseline scenarios designed to capture a reasonable range of demand outcomes during the next 15 years; and

**WHEREAS**, the Demand Forecast 2021 will serve as a key input into a number of planning and procurement efforts, including transmission and distribution system planning, integrated resource planning, resource adequacy, and other studies and proceedings; and

**WHEREAS**, consistent with an agreement among leadership at the CEC, the Public Utilities Commission, and the California Independent System Operator, specific variants of the adopted demand forecast to be used in individual applications are described as the “single forecast set agreement” in the text of the 2021 Integrated Energy Policy Report Update; and

**WHEREAS**, the CEC has considered all comments received on the Demand Forecast 2021;

**THEREFORE BE IT RESOLVED**, the CEC hereby adopts the Demand Forecast 2021 along with any changes identified at its January 26, 2022 Business Meeting, directs CEC staff to make the forecast available to the public and to incorporate the results of the Demand Forecast 2021 into the 2021 Integrated Energy Policy Report Update.

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 January 26, 2022.

AYE: Hochschild, Gunda, Douglas, McAllister, Monahan

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

*IN THE MATTER OF:*

**PECHO LD ENERGY STORAGE LLC  
APPLICATION FOR CERTIFICATION**

**ORDER FINDING THE APPLICATION  
FOR CERTIFICATION INCOMPLETE AND  
DIRECTING APPLICANT AND STAFF TO  
FILE INFORMATION REGARDING  
EXEMPTION FROM THE NOI PROCESS  
AND APPOINTING A COMMITTEE**

**DOCKET 21-AFC-01**

## **I. INTRODUCTION**

On November 23, 2021, Pecho LD Energy Storage, LLC, (Applicant), a joint venture of Hydrostor, Inc. and Meridiam Infrastructure Partners, filed an Application for Certification (AFC) with the California Energy Commission (CEC) to construct and operate the Pecho Energy Storage Center (PESC) at 2284 Adobe Road in unincorporated San Luis Obispo County. PESC would be a nominal 400-megawatt (MW), 3,200 MW-hour advanced compressed air energy storage (A-CAES) facility capable of flexibly charging and discharging daily.

## **II. BACKGROUND**

Public Resources Code section 25540.6 identifies which types of projects are exempted from the otherwise required Notice of Intention process (NOI) specified in Public Resources Code section 25502 and, thus, may proceed directly to the AFC process, as provided for in Public Resources Code section 25519. Absent this exemption, a project owner proposing a thermal power plant in California would need to first file an NOI and receive approval through that process before filing an AFC.

If it is determined that an AFC is appropriate, Public Resources Code section 25522 as implemented by California Code of Regulations, title 20, sections 1704 and 1709, sets forth the process for the CEC to determine the completeness of an AFC prior to accepting it as complete and starting the 12-month clock to reach a decision on the AFC, as required under Public Resources Code section 25540.6.

Upon the filing of an NOI or AFC, the executive director determines whether it contains the information required under California Code of Regulations, title 20, section 1704, and, therefore, is complete. If an NOI is proper, California Code of Regulations title 20, Appendix A (Appendix A) provides the information necessary for a complete NOI. If an

AFC is proper, California Code of Regulations title 20, Appendix B (Appendix B) provides the information necessary for a complete AFC. The executive director then files a recommendation to the CEC on whether the PESC filing is complete or needs to be supplemented to conform to the information requirements set forth in California Code of Regulations, title 20, section 1704. The CEC then acts upon the executive director's recommendation.

### **III. EXECUTIVE DIRECTOR'S RECOMMENDATION**

On December 22, 2021, the executive director filed a data adequacy recommendation with the CEC finding that 12 of the 23 technical disciplines required for a complete AFC were deficient based on an analysis under Appendix B. The deficient areas include: Air Quality, Biological Resources, Cultural Resources, Efficiency, Geological Hazards, Land Use, Project Overview, Reliability, Socioeconomics, Transmission System Design, Visual Resources, and Water Resources.

The executive director recommends the CEC adopt the list of deficiencies identified in the recommendation, and not accept the PESC filing as complete until the additional information specified in the data adequacy worksheets attached to the recommendation is provided. The executive director's recommendation also indicates that staff will be investigating whether the application qualifies for an exemption from the NOI process, while treating it as an AFC.

### **IV. FINDINGS**

Under Public Resources Code section 25522 and California Code of Regulations, title 20, sections 1704 and 1709, the CEC concurs with the executive director's recommendation and finds that filing is deficient in the information required for an AFC under Appendix B, as identified in the executive director's recommendation dated December 22, 2021.

Staff states it will be investigating whether the PESC filing qualifies for an exemption from the NOI process, while treating it as an AFC. To address this threshold question of whether the filing qualifies for an exemption from the NOI process, the CEC hereby directs the applicant to file into the proceeding's docket, information supporting an exemption from the NOI process by February 9, 2022, and directs staff to file a response to the applicant's information in the form of an executive director's recommendation no later than February 23, 2022.

The CEC hereby also establishes the Pecho Energy Storage Center Committee to preside over the PESC filing and any other proceedings arising from it, pursuant to Public Resources Code section 25211 and California Code of Regulations, title 20, sections 1204 and 1205. The committee shall have the authority and duties necessary to conduct these proceedings as set forth in CEC regulations, including the authority of a presiding member to manage the proceedings in accordance with California Code of Regulations, title 20, section 1203. The scope of the committee shall include managing the conduct of all aspects of the proceedings required for thermal powerplants, including

but not limited to the qualification of the PESC filing for an exemption from the NOI process, the data adequacy of the filing, and the NOI or AFC proceeding itself, as appropriate, and making recommendations to the CEC on final action(s) in these proceedings, including on findings of an exemption from the NOI process, data adequacy of the filing, and whether to approve or deny the NOI or AFC. Unless otherwise ordered by the CEC, this committee shall dissolve 35 days after a final action in the proceedings arising from the PESC filing.

After review of the executive director's recommendation regarding exemption from the NOI process, and prior to any action on the matter by the Commission, if deemed necessary by the presiding member, the committee may hold a hearing on the matter or issue its own recommendation.

The Committee members are as follows:

Presiding: Commissioner Karen Douglas  
Associate: Commissioner Andrew McAllister

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 an Order duly and regularly adopted at a meeting of the CEC held on January 26, 2022.

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



\_\_\_\_\_  
Liza Lopez  
Secretariat

**STATE OF CALIFORNIA**  
**STATE ENERGY RESOURCES**  
**CONSERVATION AND DEVELOPMENT COMMISSION**

*IN THE MATTER OF:*

**GEM A-CAES LLC**  
**APPLICATION FOR CERTIFICATION**

**ORDER FINDING THE APPLICATION**  
**FOR CERTIFICATION INCOMPLETE,**  
**AND DIRECTING APPLICANT AND**  
**STAFF TO FILE INFORMATION**  
**REGARDING EXEMPTION FROM THE**  
**NOI PROCESS AND APPOINTING A**  
**COMMITTEE**

**DOCKET 21-AFC-02**

**I. INTRODUCTION**

On December 1, 2021, GEM A-CAES LLC filed an Application for Certification (AFC) with the California Energy Commission (CEC) to construct and operate the Gem Energy Storage Center (Gem), which will be constructed and operated by Hydrostor, Inc., or its designated wholly owned subsidiaries, in unincorporated Kern County approximately one mile northeast of the community of Willow Springs and seven miles west of Rosamond. The site is bounded on the north by Sweetser Road and on the west by Tehachapi Willow Springs Road (90th Street West) with a physical address of 8684 Sweetser Road, Rosamond, California. Gem would be a nominal 500-megawatt (MW), 4,000 megawatt-hour (MWh) advanced compressed air energy storage (A-CAES) facility capable of flexibly charging and discharging daily.

**II. BACKGROUND**

Public Resources Code section 25540.6 identifies which types of projects are exempted from the otherwise required Notice of Intention process (NOI) specified in Public Resources Code section 25502 and, thus, may proceed directly to the AFC process, as provided for in Public Resources Code section 25519. Absent this exemption, a project owner proposing a thermal power plant in California would need to first file an NOI and receive approval through that process before filing an AFC.

If it is determined that an AFC is appropriate, Public Resources Code section 25522 as implemented by California Code of Regulations, title 20, sections 1704 and 1709, sets forth the process for the CEC to determine the completeness of an AFC prior to accepting it as complete and starting the 12-month clock to reach a decision on the AFC, as required under Public Resources Code section 25540.6.

Upon the filing of an NOI or AFC, the executive director determines whether it contains the information required under California Code of Regulations, title 20, section 1704, and, therefore, is complete. If an NOI is proper, California Code of Regulations, title 20, Appendix A (Appendix A) provides the information necessary for a complete NOI. If an AFC is proper, California Code of Regulations title 20, Appendix B (Appendix B) provides the information necessary for a complete AFC. The executive director then files a recommendation to the CEC on whether the Gem filing is complete or needs to be supplemented to conform to the information requirements set forth in California Code of Regulations, title 20, section 1704. The CEC then acts upon the executive director's recommendation.

### **III. EXECUTIVE DIRECTOR'S RECOMMENDATION**

On December 30, 2021, the executive director filed a data adequacy recommendation with the CEC finding that 12 of the 23 technical disciplines required for a complete AFC were deficient based on an analysis under Appendix B. The deficient areas include: Air Quality, Biological Resources, Cultural Resources, Efficiency, Geological Hazards, Land Use, Project Overview, Reliability, Socioeconomics, Transmission System Design, Visual Resources, and Water Resources.

The executive director recommends the CEC adopt the list of deficiencies identified in the recommendation, and not accept the Gem filing as complete until the additional information specified in the data adequacy worksheets attached to the recommendation is provided. The executive director's recommendation also indicates that staff will be investigating whether the application qualifies for an exemption from the NOI process, while treating it as an AFC.

### **IV. FINDINGS**

Under Public Resources Code section 25522 and California Code of Regulations, title 20, sections 1704 and 1709, the CEC concurs with the executive director's recommendation and finds that the Gem filing is deficient in the information required for an AFC under Appendix B, as identified in the executive director's recommendation dated December 30, 2021.

Staff states it will be investigating whether the Gem filing qualifies for an exemption from the NOI process, while treating it as an AFC. To address this threshold question of whether the filing qualifies for an exemption from the NOI process, the CEC hereby directs the applicant to file into the proceeding's docket, information supporting an exemption from the NOI process by February 9, 2022, and directs staff to file a response to the applicant's information in the form of an executive director's recommendation no later than February 23, 2022.

The CEC hereby also establishes the Gem Energy Storage Center Committee to preside over the GEM filing and any other proceedings arising from it, pursuant to Public Resources Code section 25211 and California Code of Regulations, title 20, sections 1204 and 1205. The committee shall have the authority and duties necessary

to conduct these proceedings as set forth in CEC regulations, including the authority of a presiding member to manage the proceedings in accordance with California Code of Regulations, title 20, section 1203. The scope of the committee shall include managing the conduct of all aspects of the proceedings required for thermal powerplants, including but not limited to the qualification of the Gem filing for an exemption from the NOI process, the data adequacy of the filing, and the NOI or AFC proceeding itself, as appropriate, and making recommendations to the CEC on final action(s) in these proceedings, including on findings of an exemption from the NOI process, data adequacy of the filing, and whether to approve or deny the NOI or AFC. Unless otherwise ordered by the CEC, this committee shall dissolve 35 days after a final action in the proceedings arising from the Gem filing.

After review of the executive director's recommendation regarding exemption from the NOI process, and prior to any action on the matter by the CEC, if deemed necessary by the presiding member, the committee may hold a hearing on the matter or issue its own recommendation.

The Committee members are as follows:

Presiding: Commissioner Karen Douglas  
Associate: Commissioner Andrew McAllister

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 an Order duly and regularly adopted at a meeting of the CEC held on January 26, 2022.

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

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: SAN FRANCISCO DEPARTMENT OF THE ENVIRONMENT

**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-21-045 with the San Francisco Department of the Environment for a \$2,384,797 grant to implement three strategies from their EV Ready Community Blueprint. Under this agreement, the recipient will increase public awareness of EVs, expand charging infrastructure, and accelerate mode shift by getting delivery-app workers out of cars and onto e-bikes to make deliveries; 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 January 26, 2022.

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

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: COUNTY OF LOS ANGELES INTERNAL SERVICE DEPARTMENT

**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-21-047 with the County of Los Angeles Internal Service Department for a \$2,500,000 grant to implement a blueprint. This project will deploy light-duty EV infrastructure, including a disadvantaged community EV infrastructure project, a broader EV infrastructure planning streamlining pilot, and direct multifamily housing EV charging installation incentives; 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 January 26, 2022.

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

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: KERN COUNCIL OF GOVERNMENTS (KERN COG)**

**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 1 to Agreement ARV-20-010 with the Kern COG to increase the funding to the full amount Kern COG proposed under GFO-19-603 EV Ready Communities Phase II. This amendment increases the number of charger installations and includes EV transport services that will benefit disadvantaged and low-income communities; 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 January 26, 2022.

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

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: SANTA CLARA VALLEY TRANSPORTATION AUTHORITY**

**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-21-012 with the Santa Clara Valley Transportation Authority for a \$4,676,000 grant to demonstrate the viability and replicability of utilizing distributed energy microgrids to charge electric transit bus fleets; 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 January 26, 2022.

AYE: Hochschild, Gunda, Douglas, McAllister, Monahan

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

  
\_\_\_\_\_  
Liza Lopez  
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-21-012 with Swift Solar Inc. for a \$2,995,200 grant to develop perovskite-silicon tandem photovoltaic (PV) technology; integrate the technology into an onboard EV charging application; and test the system for efficiency, shade tolerance, durability, ease of integration, and aesthetics; 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 January 26, 2022.

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

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: INTERTIE INCORPORATED

**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-21-014 with Intertie Incorporated for a \$2,000,000 grant to design, develop and build an advanced power electronics module (PEM) that enables a commercially available fast charger to supply high power to EVs to allow ultra-fast charging to be deployed quickly at almost any location. The project team shall directly connect a fast charger to energy storage and solar resources using the PEM to validate the improved energy efficiencies and reduced operating costs realized from the direct current-coupling technology; 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 January 26, 2022.

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

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: ICARUS RT, 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-21-016 with Icarus RT, Inc. for a \$1,087,588 grant to conduct the first commercial demonstration of the company's 280-kW Quartet hybrid PV/thermal solar plus storage cogeneration system at the project site. The Quartet system extracts waste heat from PV panels using Icarus' proprietary heat extractors to improve PV performance while also converting the heat energy into hot water on-demand. The results of the proposed project will demonstrate several aspects of commercial readiness as well as produce real-world data on panel cooling, performance improvements, energy storage, and cost savings; 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 January 26, 2022.

AYE: Hochschild, Gunda, Douglas, McAllister, Monahan

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

  
\_\_\_\_\_  
Liza Lopez  
Secretariat

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: CARNOT COMPRESSION 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-21-017 with Carnot Compression Inc. for a \$2,028,350 grant to advance an innovative air compression technology for industrial applications through applied research and development. The isothermal compression technology has the potential to be at least 20 percent more energy efficient than comparable incumbent air compressors currently on the market. The advanced technology will optimize the air-end components, and through field demonstrations, apply the improved components in relevant customer environments; 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 January 26, 2022.

AYE: Hochschild, Gunda, Douglas, McAllister, Monahan

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

  
\_\_\_\_\_  
Liza Lopez  
Secretariat