

**DOCKETED**

<b>Docket Number:</b>	22-BUSMTG-01
<b>Project Title:</b>	Business Meeting Agendas, Transcripts, Minutes, and Public Comments
<b>TN #:</b>	243125
<b>Document Title:</b>	Order and Resolution for May 11, 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>	5/18/2022 12:45:44 PM
<b>Docketed Date:</b>	5/18/2022

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: GOVERNOR'S OFFICE OF BUSINESS AND ECONOMIC  
DEVELOPMENT**

**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 600-21-008 with Governor's Office of Business and Economic Development (GO-Biz) for a \$246,636 contract to fund a Zero-Emission Vehicle (ZEV) Permitting and Development Specialist for two years to streamline the ZEV infrastructure permitting process, which will help accelerate ZEV infrastructure deployment in 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 May 11, 2022.

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

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

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

*IN THE MATTER OF:*

**SOLAR ENERGY GENERATING  
SYSTEMS VIII APPLICATION FOR  
CERTIFICATION**

**Docket No. 88-AFC-01C**

**ORDER TERMINATING  
CERTIFICATION**

**I. INTRODUCTION**

On March 9, 2022, Terra-Gen, LLC, submitted a request to terminate the California Energy Commission (CEC) certification (license) (TN 242234) for the Solar Energy Generating System (SEGS) VIII – Harper Lake (88-AFC-01C). Approval of this request would end the CEC’s jurisdiction over the SEGS VIII project and site.

SEGS VIII is a solar thermal power plant that used parabolic mirrors to concentrate solar energy for transfer into heat transfer fluid. The heat was then used to create steam to generate up to 80 megawatts of electric power for the Southern California Edison transmission grid. The CEC certified SEGS VIII on March 29, 1989, and the facility went online in December 1989. SEGS VIII is located at 43880 Harper Lake Road, 7 miles northeast of Highway 58 on a 500-acre site near Hinkley, California, in unincorporated San Bernardino County.

The SEGS VIII facility Final Decommissioning Plan was approved by the CEC on August 20, 2020, with work in the SEGS VIII area completed on April 15, 2022.

The project owner obtained a conditional use permit (CUP) from the County of San Bernardino on October 3, 2019, for the redevelopment of the SEGS VIII site for a solar photovoltaic (PV) project and a battery energy storage system (BESS).

**II. STAFF RECOMMENDATION**

The project owner has completed the requirements of the approved Decommissioning Plan and is now requesting termination of the license. CEC technical staff reviewed the request to terminate and determined through a site inspection and review of documentation, that all requirements of the Decommissioning Plan have been met, and that no significant environmental impacts nor violation of applicable LORS occurred during closure of the facility. On April 15, 2022, the Delegate Chief Building Official issued a final inspection report confirming decommissioning is complete. It is now

appropriate to terminate the CEC's jurisdiction so the project site can be repurposed under the county's jurisdiction.

The California Environmental Quality Act (CEQA) applies to discretionary project approvals, and although a vote to terminate the facility's certification and jurisdiction over the site would be a discretionary act, the termination does not meet the definition of a "project" under the CEQA Guidelines. (See Cal. Code Regs., tit. 14, § 15378.) Under CEQA, the definition of "[p]roject does not include . . . administrative activities of governments that will not result in direct or indirect physical changes in the environment." (Cal. Code Regs., tit. 14, § 15378(b)(5).) CEQA Guidelines sections 15060(c)(2)-(3) and 15378(a) further reinforce that CEQA does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment. In this case, the decision at issue relates to the jurisdiction of the decommissioned site and not approval of any changes to the physical nature of the site. Staff is recommending termination of the license as continuing jurisdiction over the site is no longer necessary with the removal of the thermal powerplant.

### **III. ENERGY COMMISSION FINDINGS AND ORDER**

The CEC finds that the approved decommissioning plan was completed and the SEGS VIII thermal powerplant is no longer in existence. Termination of the CEC's certification will allow the sites to be repurposed with a PV and BESS project to be constructed under the jurisdiction of San Bernardino County. Terminating the CEC's certification and jurisdiction over the site is not a project under CEQA because the action does not entail any physical change to the environment. Therefore, the CEC hereby adopts staff's recommendation and grants the petition for termination of SEGS VIII's certification and jurisdiction over the project site, effective May 11, 2022.

**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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: CLEAN ENERGY STATES ALLIANCE, 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 500-21-002 with Clean Energy States Alliance, Inc. (CESA) for a two-year Core Membership invoiced annually at \$50,000. CESA is a national, nonprofit coalition of state, municipal, and regional clean energy agencies and organizations working together to advance clean energy markets and the development of clean energy technology. This membership provides benefits that include a seat on the CESA Board of Directors; 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 May 11, 2022.

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

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

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: AMERICAN COUNCIL FOR AN ENERGY EFFICIENT ECONOMY**

**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 100-21-002 with American Council for an Energy Efficient Economy (ACEEE) for a \$25,000 contract to co-sponsor the 2022 Summer Study on Energy Efficiency in Buildings to be held August 21-26, 2022, at Asilomar Conference Grounds in Pacific Grove, California. This preeminent conference attracts a diverse group of professionals to discuss cutting-edge technologies, strategies, and programs for reducing energy use in buildings and addressing climate impacts; 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 May 11, 2022.

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

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: ACKNOWLEDGING THE CONTRIBUTION OF THOMAS GATES

**WHEREAS**, Thomas Gates, known as Tom, started his career during his undergraduate years at Humboldt State University where he met his lifetime partner, Jenni. Together, they worked and raised their children in the mountains of eastern California, in the Sierras and White Mountains, as well as on the North Coast, in Humboldt County. Tom earned dual BA degrees from Humboldt in 1987, in Anthropology and Philosophy, with a Minor in Art. He earned his PhD in Cultural Anthropology from the University of North Carolina, Chapel Hill in 1993; and

**WHEREAS**, his lifelong commitment to tribes began while completing his graduate fieldwork with the Yurok, Tom continued to work for the Yurok Transition Team, assisting in developing the framework for the establishment of the Yurok Tribe. He continued to work for the tribe, in a number of capacities, centered on culture and heritage preservation, until 2008; and

**WHEREAS**, during his time with the Yurok Tribe, Tom successfully advanced several of the objectives outlined in Preamble of the Yurok Constitution. Tom made invaluable contributions to the tribal government's most impactful projects, including land recover, Klamath dam removal and California condor reintroduction. Tom played a pivotal role in the development of the Yurok Tribal Heritage Preservation Office. Tom was tireless in his effort to preserve important Yurok religious sites throughout the Tribe's ancestral territory; and

**WHEREAS**, Tom, by his scope of consulting duties, had developed and conveyed justifiable veracity and principled positions towards crucial environmental and indigenous issues. By utilizing knowledge and acumen in his numerous meetings, reviews, and written opinion for Native Tribes, alongside other conglomerates, he would uphold the integrity, ethics and unification essential to the benefit of all; and

**WHEREAS**, Tom was among the first duly appointed Tribal Historic Preservation Officers (THPOs) in California as well as in the Country, and in this capacity and with clear vision and political will, forever expanding the role of THPOs, he pushed the scope of consultations beyond NHPA Section 106 undertakings on Tribal Lands to include all projects with the potential to impact tribally significant cultural resources on Ancestral Lands that are regulated by various local, state and federal laws and jurisdictions; and

**WHEREAS**, Tom joined the California Energy Commission (CEC) in December of 2012, he was a constant mentor and educator for the CEC's Assistant Tribal Liaisons on how to conduct meaningful tribal engagement and engrained a culture within the CEC to understand, respect, and honor tribal sovereignty while highlighting the

importance of protecting cultural resources. He developed a robust network and established communication strategies that proved effective, growing tribal engagement in all CEC's programs. He gifted paintings, including annual holiday cards, reflecting his gratitude, generosity, and deep connection to others and landscapes. He led CEC efforts to develop meaningful conferences to build relationships between state agencies and tribes working toward a resilient clean energy future; and

**WHEREAS**, Tom brought an infectious enthusiasm for tribal affairs and historic preservation to the Cultural Resources Unit of the CEC's Siting, Transmission, and Environmental Protection Division, leading documentation of Native American and Euroamerican cultural landscapes, supporting innovations like the Cultural Resources Unit Inventory System, and promoting a people-focused approach to the management of our cultural environments; and

**WHEREAS**, Tom, a man of many talents, quickly earned the utmost respect and admiration of multiple Tribal communities and colleagues as an ally and lifelong friend. Tom integrated Traditional Ecological Knowledge and Tribal wisdom into CEC undertakings and introduced Tribal Leaders and Traditional Religious Practitioners to become Intervenor in accordance with the California Environmental Quality Act; and

**WHEREAS**, Tom was not afraid to do a site visit, camp out in the field, or draw and paint to better understand the cultural landscapes of California, to share those understandings with others, and to create an elegant Traditional Cultural Property report for Obsidian Butte in Imperial County; and

**WHEREAS**, Tom has made lasting contributions to the recordation of Native American history. His work has enhanced the knowledge of the antiquity of the record of Native Americans across the vast California landscape and brought forth information of the lasting impacts of the Tribes on California history. Tom has worked tirelessly, with the Fort Yuma Quechan Tribe Cultural Committee, as the CEC Tribal Liaison for the protection of the Tribe's history across their traditional lands. He has laid a strong foundation regarding communication and coordination with the Tribe that will aid his successor immensely. The Fort Yuma Quechan Tribe and Cultural Committee greatly appreciate Tom's commitment and dedication to the preservation of the Tribe's cultural heritage. His work will continue to benefit Tribes well into the future; and

**WHEREAS**, Tom is a mentor and friend to many tribal liaisons and has strengthened the policies and practices of how the state consults and partners with California Native American tribes through his leadership and expertise.

**WHEREAS**, Tom will forever be appreciated by the Office of the Public Advisor (PAO+) for incorporating them into the most recent tribal conference and tribal visits then masterminding the expansion of the office to cover tribal affairs. He will hold a special place in their hearts due to his friendship and all he invested in each of them through his mentorship and wisdom, especially through the art he created and graciously shared. PAO+ will miss him brightening up meetings with his quirky jokes,



reliable recipes, fascinating stories, wise advice, and humble nature. PAO+ also appreciates his receptivity to learning a thing or two from them, especially about Microsoft Office technology, which he dreaded, but we all hope transformed his life and will continue using into retirement to help manage his vineyard; and

**WHEREAS**, Tom illuminated the trail for so many of us, advancing the state's journey and commitment to rebuilding our relationships with tribes. He was generous with his time, mentoring all those he encountered with open hearts and minds that were eager to learn from his profound words, deep knowledge, and extensive experience. While sometimes he walked in circles, his footprints have left impressions at the CEC that will forever guide us in the right direction; and

**THEREFORE BE IT RESOLVED**, that the CEC hereby recognizes and commends Thomas Gates for his great contributions to the CEC, California Native American Tribes, and the people of the state of California and wishes him all the best in his future endeavors.

**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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

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

*IN THE MATTER OF:*

**STACK TRADE ZONE PARK**

**DOCKET 21-SPPE-02**

**ORDER APPOINTING A COMMITTEE**

**I. INTRODUCTION**

In a series of filings dated December 10, 2021, March 8, 2022, March 30, 2022, April 4, 2022, and April 11, 2022; STACK Infrastructure (STACK) filed an application with the California Energy Commission (CEC) seeking an exemption from the CEC's jurisdiction (Small Power Plant Exemption) for the Trade Zone Boulevard Technology Park (STACK Trade Zone Park) (21-SPPE-02). The STACK Trade Zone Park would be located on two parcels of land encompassing approximately 9.8 acres at the corner of Trade Zone Boulevard and Ringwood Avenue (2400 Ringwood Avenue and 1849 Fortune Drive) in San Jose.

STACK Trade Zone Park would include an Advanced Manufacturing Building, the SVY Data Center (SVYDC), the SVY Backup Generating Facility (SVYBGF), a parking garage, and related utility infrastructure. The SVYBGF would be a diesel-fired emergency backup generating facility with a generation capacity of up to 90 megawatts (MW) to support the need for the SVYDC to provide uninterruptible power supply for its tenant's servers. The SVYBGF would consist of 36 3-MW and two 1-MW diesel-fired emergency backup generators (gensets) arranged in two generation yards, each designed to serve one of the two data center buildings that make up the SVYDC. All the gensets would be dedicated to replacing the electricity needs of the data center buildings in case of a loss of electrical power from the utility, with redundancy.

**II. BACKGROUND**

The CEC has the exclusive authority to certify all thermal power plants of 50 MW and greater and the related facilities proposed for construction in California. Pursuant to Public Resources Code section 25541, the Small Power Plant Exemption process allows applicants proposing to construct thermal power plants between 50 MW and 100 MW to obtain an exemption from the CEC's jurisdiction and proceed with local permitting rather than requiring CEC certification. The CEC may grant an exemption if it finds that the proposed facility would not create a substantial adverse impact on the environment or energy resources. Public Resources Code section 25519(c) designates the CEC as lead agency, in accordance with the California Environmental Quality Act, for all facilities seeking a Small Power Plant Exemption.

Pursuant to Public Resources Code section 25211 and California Code of Regulations, title 20, sections 1204 and 1205, the CEC may appoint a committee of not less than two members to preside over a Small Power Plant Exemption filing.

### **III. STAFF RECOMMENDATION**

Staff has reviewed the application and recommends the appointment of a committee of not less than two commissioners to preside over the STACK Trade Zone Park filing and other proceedings arising from it.

### **IV. FINDINGS**

The CEC hereby establishes the STACK Trade Zone Park Committee to preside over the STACK Trade Zone Park 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 this proceeding as set forth in CEC regulations, including the authority of a presiding member to manage the proceeding in accordance with California Code of Regulations, title 20, section 1203.

Unless otherwise ordered by the CEC, this committee shall dissolve 35 days after a final action in the proceedings arising from the STACK Trade Zone Park filing.

The Committee members are as follows:

Presiding: Commissioner McAllister

Associate: Commissioner Vaccaro

**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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

*IN THE MATTER OF:*

**LA PALOMA GENERATING PLANT  
CXA LA PALOMA, LLC**

**Docket No. 98-AFC-02C**

**ORDER APPROVING POST  
CERTIFICATION PETITION TO  
AMEND**

**I. INTRODUCTION**

On February 8, 2022, CXA La Paloma, LLC, the project owner, filed a post certification petition with the California Energy Commission (CEC) requesting to amend the La Paloma Generating Plant Final Commission Decision.

The facility is a 1,048-megawatt combined-cycle, natural gas facility located east of the community of McKittrick in Kern County. The facility was certified by the CEC in October 1999 and began commercial operations in January 2003.

The project owner seeks approval to install an emergency standby electrical generator to power the existing West Kern Water District pump station water pumps for process/cooling water at the LPGP in the event of electrical grid power loss.

**II. BACKGROUND**

California Code of Regulations, title 20, section 1769 requires a project owner to petition the CEC for the approval of any change it proposes to the project design, operation, or performance requirements of a certified facility.

Pursuant to California Code of Regulations, title 20, section 1769(a)(3), staff has reviewed the petition and determined the proposed change does not meet the criteria for staff approval.

California Code of Regulations, title 20, section 1769(a)(4)(A) requires the CEC to issue an order approving, rejecting, or modifying the petition or assign the matter for further proceedings before the CEC or an assigned committee or hearing officer and, additionally if applicable, requires the CEC to approve the proposed change only if it can make the findings specified in California Code of Regulations, title 20, section 1748(b).

Lastly, California Code of Regulations, title 14, section 15162(a) specifies that, when an environmental impact report (EIR) has been certified or a negative declaration adopted for a project, a subsequent EIR does not need to be prepared unless the agency

determines one or more of the following: (1) substantial changes are proposed that will require major revisions of the EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; (2) substantial changes occur with respect to the circumstances under which the project is undertaken that will require major revisions to the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of the previously identified significant effects; or (3) new information of substantial importance that was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted shows specified significant effects or mitigation measures.

### **III. STAFF RECOMMENDATION**

On April 18, 2022, staff filed their review of the petition and concluded that approving the petition to amend is consistent with California Code of Regulations, title 20, section 1769(a)(4). With the inclusion of staff's recommended changes to the project's conditions of certification, the proposed change (1) will not have a significant impact on the environment or is exempt from the California Environmental Quality Act (CEQA) and (2) will not cause the project to fail to comply with any applicable laws, ordinances, regulations, and standards. Additionally, staff determined the findings required to be made by the CEC pursuant to California Code of Regulations, title 20, section 1769(a)(4)(A), and as specified in California Code of Regulations, title 20, section 1748(b), do not apply.

Lastly, staff concludes the proposed change does not meet the criteria requiring the production of subsequent or supplement EIR review consistent with California Code of Regulations, title 14, section 15162(a).

### **IV. FINDINGS**

Pursuant to California Code of Regulations, title 20, section 1769(a)(4), the CEC concurs with staff's recommendation and finds that the petition with the inclusions of staff's recommended changes to the project's conditions of certification (1) will not have a significant impact on the environment or is exempt from the California Environmental Quality Act (CEQA) and (2) will not cause the project to fail to comply with any applicable laws, ordinances, regulations, and standards. The CEC also concurs with staff's recommendation that the findings required to be made by the CEC pursuant to California Code of Regulations, title 20, section 1769(a)(4)(A), and as specified in California Code of Regulations, title 20, section 1748(b), do not apply. Lastly, the CEC concurs with staff and finds that the proposed change does not meet the criteria requiring the production of subsequent or supplemental review consistent with California Code of Regulations, title 14, section 15162(a).

The CEC hereby adopts staff's recommendation, including the new conditions of certification as published on April 22, 2022, and grants the petition allowing for the installation of an emergency standby electrical generator to power the existing West Kern Water District pump station water pumps for process/cooling water at the La Paloma Generating Plant in the event of electrical grid power loss.

**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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

**RULEMAKING TO AMEND REGULATIONS  
FOR DELEGATION OF CERTIFICATION  
AUTHORITY**

**Docket No. 21-OIR-02**

**RESOLUTION ADOPTING  
REGULATIONS**

**WHEREAS**, on December 8, 2021, the California Energy Commission (CEC) adopted an order instituting a rulemaking proceeding to consider amending its existing processes and procedures for, among other things, delegating the CEC's full authority for the certification of geothermal power plants within a county which has adopted a geothermal element for its general plan and demonstrates that it has an equivalent certification program (Cal. Code Regs., tit. 20, §§ 1860-1870); and

**WHEREAS**, on February 24, 2022, the CEC mailed to the listserv, including to a representative number of small business enterprises or their representatives that are likely to be affected by the proposed action, and posted on the CEC's website a Notice of Proposed Action (NOPA) formally notifying the public of the CEC's intent to adopt proposed regulations amending the process for delegation of geothermal certification authority, the Express Terms of the proposed regulations, an Initial Statement of Reasons describing the rationale for the proposal, and the fiscal and economic impact analysis; and

**WHEREAS**, on February 25, 2022, the NOPA was published in the California Regulatory Notice Register, delivered to the Secretary of the California Natural Resources Agency; and

**WHEREAS**, each of these documents and notices was provided to every person on the CEC's Geothermal listserv and Rulemaking listserv, and to every person who had requested notice of such matters, and was posted to the CEC's website and project docket; and mailed to a representative number of entities that are likely to be affected by the proposed action; and

**WHEREAS**, on April 11, 2022, the 45-day written comment period established by the NOPA closed; and

**WHEREAS**, on April 14, 2022, the CEC held a public hearing to receive comments on the proposed regulations; and

**WHEREAS**, in the NOPA, the CEC provided notice designating May 11, 2022, as the date for the business meeting to consider adoption of the proposed amendments and did so adopt the proposed amendments.

**THEREFORE, THE CEC FINDS:**

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

- The CEC has considered the application of CEQA to the proposed regulations and concluded that the proposed regulations are exempt from CEQA under the common sense exemption (Cal. Code Regs., tit. 14, § 15061, subd. (b)(3)) because it can be seen with certainty that there is no possibility that the proposed amendments will have a significant effect on the environment; and

With regard to the Administrative Procedure Act:

- The proposed regulations will not result in the creation of new businesses or elimination of existing businesses, will not result in the expansion of businesses currently doing business in California, and will not result in a significant statewide adverse economic impact directly affecting business, including the ability of California businesses to compete with businesses in other states; and
- The proposed 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 regulations are will not result in the creation or elimination of jobs within California; and
- The proposed regulations will result in no costs or savings in federal funding to the State of California; and
- The proposed regulations will result in no nondiscretionary costs or savings to any state agencies, local agencies, or school districts; and
- The proposed regulations will have no impact on housing costs; and
- The proposed regulations will result in no cost impacts to representative private persons or businesses in reasonable compliance with the regulations; and
- The proposed regulations will not adversely impact the health and welfare of California residents, worker safety, or the state's environment; and



- The proposed regulations have no alternatives that would be more effective in carrying out the purposes of the statutes for which it is proposed, that would be as effective and less burdensome to affected private persons in carrying out those purposes, or that would be more cost effective to affected private persons and equally effective in implementing those purposes; and
- The proposed regulations will not have a significant adverse economic impact on small businesses; and
- The proposed regulations will not require the completion of any new report; and
- None of the comments received during the comment period, at the public hearing on April 11, 2022, or at the business meeting on May 11, 2022, and nothing else in the record, justified any changes to the proposed regulations as published on February 24, 2022.

**THEREFORE, BE IT RESOLVED**, that, on the basis of the entire record before it, the CEC finds that the proposed regulations are exempt from CEQA under the common sense exemption (Cal. Code Regs., tit. 14, § 15061 subd. (b)(3)) because it can be seen with certainty that there is no possibility that the proposed regulations will have a significant effect on the environment; 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 amendments to its geothermal delegation regulations, as set forth in the Express Terms that were published on February 24, 2022; and

The CEC takes this action under the authority of sections 25213 and 25218(e) of the Public Resources Code, which authorizes the CEC to adopt rules or regulations, as reasonable and necessary, to implement, Public Resources Code section 25540.5; 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 21-OIR-02](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-OIR-02), <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-OIR-02>; and

**FURTHER BE IT RESOLVED**, the CEC delegates the authority and directs CEC staff to take, on behalf of the CEC, all actions reasonably necessary to have the proposed regulations go into effect, including but not limited to making any appropriate non-substantive changes to the regulations; preparing all appropriate documents, such as the Final Statement of Reasons; compiling and submitting the rulemaking file to the Office of Administrative Law (OAL); making any changes to the rulemaking file required by OAL; and preparing and filing the Notice of Exemption with the State Clearinghouse.

**CERTIFICATION**

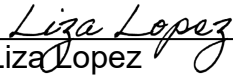
The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

Rulemakings to Update and	)	Docket No. 22-HERS-02
Amend the Home Energy	)	Docket No. 22-BSTD-03
Rating System Program	)	
Regulations and the Building	)	
Energy Efficiency Standards	)	
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**ORDER INSTITUTING RULEMAKING PROCEEDING**

**I. PURPOSE AND SCOPE OF THE PROCEEDING**

The California Energy Commission (CEC) hereby institutes two related rulemaking proceedings to consider amendments to the Home Energy Rating System (HERS) Program regulations (Title 20, California Code of Regulations, sections 1670-1675) and the Building Energy Efficiency Standards (Title 24, California Code of Regulations, Parts 1 and 6). This action is taken under the authority of Public Resources Code sections 25210, 25213, 25218(e), 25218.5, 25402, 25402.1, and 25942, and Title 20, California Code of Regulations, sections 1220-1225.

The HERS Program regulations in Title 20 currently cover both whole-house home energy ratings, which rates the overall energy performance of building energy efficiency improvements, and field verification and diagnostic testing, which verifies compliance with the Building Energy Efficiency Standards in Title 24. One purpose of these proceedings is to consider changes to the field verification and diagnostic testing program to increase program oversight and improve program performance. Another purpose is to consider moving field verification and diagnostic testing from Title 20 to the Building Energy Efficiency Standards in Title 24. This would allow future program updates to align with the triennial update cycle of the Building Energy Efficiency Standards and provide for better location and clarity of program requirements that are presently split between Title 20 and Title 24. To accomplish these objectives, the CEC proposes two separate proceedings: one as part of the upcoming 2025 publication of the triennial update to the Building Energy Efficiency Standards in Title 24, which is proposed for adoption in 2024 with an effective date of January 1, 2026; and a separate rulemaking proceeding to amend the HERS Program regulations in Title 20.

In the proposed rulemaking for the Building Energy Efficiency Standards in Title 24, the CEC will work with stakeholders and the public to consider how to, among other things, 1) improve regulatory alignment by relocating the field verification and diagnostic testing program and data collection requirements from Title 20; 2) improve CEC oversight and program performance by adding or amending provisions for progressive discipline, quality assurance procedures, conflict of interest, rater designation, and approval

processes, and training requirements; and 3) amend and clarify other sections, as necessary.

In the proposed rulemaking to the HERS Program regulations in Title 20, the CEC will work with stakeholders and the public to consider how to, among other things, improve regulatory alignment by identifying existing field verification and diagnostic testing and data collection requirements in Title 20 that will sunset upon the adoption of their relocation in Title 24, and amend and clarify other sections, as necessary.

## **II. DELEGATION OF AUTHORITY**

Commissioner Andrew McAllister is the lead commissioner for this proceeding. The CEC delegates the authority to staff, under the direction of the lead commissioner, to take all actions reasonably necessary to present proposed regulations to the CEC for final adoption, including but not limited to, complying with requirements of the Administrative Procedure Act (Government Code sections 11340 et seq.), the California Environmental Quality Act (Public Resources Code sections 21000, et seq.), and the California Building Standards Law (Health and Safety Code sections 18901, et seq.). Adoption of any changes to the CEC's regulations pursuant to this Order Instituting Rulemaking will be by vote of the CEC at a noticed business meeting.

## **III. PUBLIC PARTICIPATION**

The CEC encourages full and free public participation in these proceedings. Any person present at any hearing or workshop shall be afforded a reasonable opportunity to make oral comments on the subject matter of the proceeding. Petitions to intervene are not necessary. At present, no workshop or hearing dates have been specifically identified. The executive director, in conjunction with the public advisor, shall ensure that this order and notices of hearings and workshops are distributed to all interested persons and that drafts of the regulations are made available sufficiently in advance of workshops, interim hearings, and final adoption by the CEC to allow timely participation. The CEC will establish a date for the receipt of written comments on draft regulations.

The CEC will set forth deadlines for the receipt of written comments in Notices of Proposed Action, which will be published later in each proceeding. When new information is posted in either proceeding, an email will be sent to those subscribed to the Building Energy Efficiency Standards and the Title 24 Performance Verification topics. To receive these notices, subscribe to the Home Energy Rating System program - HERS page, located at <https://www.energy.ca.gov/programs-and-topics/programs/home-energy-rating-system-hers-program>, or the Building Energy Efficiency Standards – Title 24 page, located at <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards>. Manage existing topics or sign up for others at the [CEC Subscriptions](https://www.energy.ca.gov/subscriptions) webpage, at <https://www.energy.ca.gov/subscriptions>.

The CEC encourages the use of its electronic commenting system. Visit the e-commenting page at <https://www.energy.ca.gov/proceedings/e-filing-and-e-commenting>, which links to the comment page for this docket. Enter your contact information and a comment title describing the subject of your comment(s). Comments may be included in the "Comment Text" box or attached as a downloadable, searchable document consistent with 20 California Code of Regulations section 1208.1. The maximum file size allowed is 10 MB.

Written comments may be submitted by email. Include docket number 22-HERS-02 and "Rulemaking to Amend HERS Regulations" in the subject line or docket number 22-BSTD-03 and "Rulemaking to Amend the Building Energy Efficiency Standards" in the subject line and email to [docket@energy.ca.gov](mailto:docket@energy.ca.gov). A paper copy may be sent to:

Docket No. 22-HERS-02 or Docket No. 22-BSTD-03  
Docket Unit, MS-4  
California Energy Commission  
715 P Street  
Sacramento, California 95814-5512


Written and oral comments, attachments, and associated contact information (including address, phone number, and email address) will become part of the public record of this proceeding with access available via any internet search engine.

The CEC's Public Advisor assists the public with participating in CEC proceedings. Please call (916) 957-7910 or contact [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov) for assistance.

### **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 May 11, 2022.

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

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

*IN THE MATTER OF:*

**2022 BUILDING ENERGY EFFICIENCY  
STANDARDS, CALIFORNIA CODE OF  
REGULATIONS, TITLE 24, PARTS 1  
AND 6**

Docket No. 21-BSTD-01

**RESOLUTION CERTIFYING THE RESIDENTIAL AND NONRESIDENTIAL  
COMPLIANCE MANUALS FOR THE  
2022 BUILDING ENERGY EFFICIENCY STANDARDS**

**WHEREAS**, the 2022 Building Energy Efficiency Standards, amending California Code of Regulations, Title 24, Parts 1 and 6, were adopted by the California Energy Commission (CEC) on August 11, 2021, with a proposed effective date of January 1, 2023, and

**WHEREAS**, these standards were approved by the California Building Standards Commission on December 14, 2021; and

**WHEREAS**, the Warren-Alquist Act, in Public Resources Code section 25402.1(e), requires the CEC to certify “an energy conservation manual for use by designers, builders, and contractors of residential and nonresidential buildings” no later than 180 days after the California Building Standards Commission approves the Building Energy Efficiency Standards; and

**WHEREAS**, in order to implement the requirement of section 25402.1(e), CEC staff has developed an energy conservation manual that is comprised of several documents, including residential and nonresidential compliance manuals, residential and nonresidential alternative compliance method reference manuals, a data registry requirements manual, and other compliance forms, all of which contain information to assist designers, builders, and contractors in meeting the Building Energy Efficiency Standards; and

**WHEREAS**, as part of developing the energy conservation manual, CEC staff developed new content for the Residential Compliance Manual, Publication Number CEC-400-2022-006-CMD, and the Nonresidential Compliance Manual, Publication Number CEC-400-2022-007-CMD, (collectively the “Compliance Manuals”), which explain the requirements of the 2022 Building Energy Efficiency Standards to individuals who must comply with and enforce the standards; and

**WHEREAS**, in order to develop the updated Compliance Manuals, CEC staff conducted an extensive public process, inviting people with knowledge of and interest in the Building Energy Efficiency Standards to review and comment on the updated Compliance Manuals, and revised the Compliance Manuals to respond to the comments that were received; and

**WHEREAS**, the CEC commends the work of its staff, its contractors, and utility sponsors of specific provisions of the Building Energy Efficiency Standards, to develop the updated Compliance Manuals and revise them to respond to commenters; and

**WHEREAS**, the CEC further commends the commenters for devoting their time to provide valued input to the California Energy Commission so that the updated Compliance Manuals can be effective in facilitating efficiency and successful implementation of the 2022 Building Energy Efficiency Standards; and

**WHEREAS**, CEC staff has considered the application of the California Environmental Quality Act (CEQA) to the Compliance Manuals and finds that the Compliance Manuals do not meet the definition of a “project” under Public Resources Code section 21065 because the Compliance Manuals have no potential for resulting in either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment and, even if the Compliance Manuals were to be considered a project, then the project would fall under the “common sense exemption” in California Code of Regulations, Title 14, section 15061(b)(3) because there is no reasonable possibility the Compliance Manuals would have a significant effect on the environment; and

**WHEREAS**, the CEC has considered staff’s proposed updates to the Compliance Manuals and finding that its adoption is exempt from CEQA.

**THEREFORE, BE IT RESOLVED**, that on the basis of the entire record before it, the CEC hereby adopts staff’s finding that the Compliance Manuals are not subject to CEQA because they do not meet the definition of a “project” because they are not an activity that has the potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, and even if they were a project, they are exempt from CEQA pursuant to the Common-Sense Exemption (California Code of Regulations, Title 14, section 15061(b)(3)) because there is no reasonable possibility that the activity will have a significant effect on the environment, including unusual circumstances; and

**THEREFORE, BE IT RESOLVED**, that the CEC hereby certifies the Residential Compliance Manual, Publication Number CEC-400-2022-006-CMD, used to demonstrate compliance with the 2022 Building Energy Efficiency Standards; and

**FURTHER BE IT RESOLVED**, that the CEC hereby certifies the Nonresidential Compliance Manual, Publication Number CEC-400-2022-007-CMD, used to demonstrate compliance with the 2022 Building Energy Efficiency Standards; and

**FURTHER BE IT RESOLVED**, that the CEC directs the executive director or their designee to take all actions reasonably necessary to make the above-referenced documents available and in good form, including but not limited to correcting typographical and other non-substantive errors.

**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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

  
Liza Lopez  
Secretariat



STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION APPROVING THE NATIONAL LIGHTING CONTRACTORS ASSOCIATION OF AMERICA'S PROPOSED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN CERTIFICATION PROVIDER AMENDMENT APPLICATION FOR THE 2019 BUILDING ENERGY EFFICIENCY STANDARDS CONCERNING QUALITY ASSURANCE ON-SITE AUDITS**

**WHEREAS**, section 10-103.1(f) of the Building Energy Efficiency Standards (codified in Title 24, Part 1, 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 contains any substantive changes are subject to the Application Review and Determination process specified in section 10-103.1(e) of the Building Energy Efficiency Standards; and

**WHEREAS**, the National Lighting Contractors Association of America (NLCAA) submitted a proposed amendment to their approved application on January 28, 2022, which proposes to modify quality assurance and accountability on-site audit procedures; and

**WHEREAS**, the executive director posted a staff report on April 25, 2022, which evaluated the proposed application amendment, and determined that the proposed changes to the quality assurance and accountability on-site audit procedures outlined in it satisfy the requirements in section 10-103.1(c)3Fii of the 2019 Building Energy Efficiency Standards and recommended approval of NLCAA's proposed amendment; and

**WHEREAS**, the executive director posted a Notice of Availability concerning NLCAA's amendment and CEC staff's evaluation on April 25, 2022, to Docket Number 13- ATTCP-01, and provided notice to relevant stakeholders via applicable subscription topics, for a 15-day public comment period ending May 10, 2022; and

**WHEREAS**, the executive director provided a written recommendation, which describes the review and validation of NLCAA's application amendment by CEC staff and recommends approval of NLCAA's application amendment; 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 quality assurance and accountability on-site audit procedures proposed by NLCAA meet the requirements in section 10-103.1(c)3Fii of the 2019 Building Energy Efficiency Standards; and

**FURTHER BE IT RESOLVED**, that the CEC confirms the executive director's determinations, adopts their recommendation, and approves NLCAA's proposed quality assurance and accountability on-site audit procedures as described in its January 28, 2022 application; and

**FURTHER BE IT RESOLVED**, that the executive director or their designee shall take all steps necessary to implement this resolution.

**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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: MEMORANDUM OF UNDERSTANDING TO ESTABLISH THE  
VEHICLE-TO-EVERYTHING COLLABORATION

**WHEREAS**, the State Energy Resources Conservation and Development Commission (CEC) seeks to support and participate in the Vehicle-to-Everything Collaboration as described in MOU-21-001 with entities that may include, but are not limited to, the U.S. Department of Energy, National Electrical Contractors Association – Los Angeles, International Brotherhood of Electrical Workers – Chapter 11, Fermata Energy, the Waste Management Company-Lancaster, Los Angeles Department of Water and Power, Rhombus, BYD Motors, Inc., the City of Lancaster and City of Lancaster Community Choice Aggregator, Southern California Edison, Zeem Solutions, Pacific Gas and Electric Company, General Motors LLC, Ford Motor Company, San Diego Gas & Electric, Sacramento Municipal Utility District, and Lucid Group, Inc.; and

**WHEREAS**, the Vehicle-to-Everything Collaboration is a collaboration for accelerating development and commercialization of vehicle-to-everything technologies which include vehicle-to-grid, vehicle-to-building, and vehicle-to-load capabilities, by validating the technologies and demonstrating the commercial viability of such technologies, as described in MOU-21-001; and

**WHEREAS**, on April 13, 2022, CEC Commissioner Patty Monahan executed MOU-21-001.

**NOW THEREFORE BE IT RESOLVED**, that the CEC adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

**FURTHER BE IT RESOLVED**, that the CEC ratifies Commissioner Monahan's execution of MOU-21-001.

**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 May 11, 2022.

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

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

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: INNOS 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 600-21-009 with innos Inc. for a \$910,000 contract to conduct an electric vehicle (EV) charging interoperability testing symposium in 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: THE LATINO EQUITY ADVOCACY & POLICY INSTITUTE**

**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-21-063 with The Latino Equity Advocacy & Policy Institute for a \$415,288 grant to install four direct current fast chargers, solar carports, and storage batteries in Huron, California, to support the Green Raiteros EV fleet and public; and

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

**CERTIFICATION**

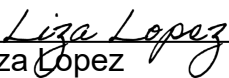
The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: TERAWATT INFRASTRUCTURE, 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 ARV-21-065 with TeraWatt Infrastructure, Inc. for a \$1,996,481 grant to install EV charging infrastructure for ride-hailing fleets in Santa Ana, California. The proposed project will install seven direct current fast chargers and 12 dual-port Level 2, 48A chargers; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: KIGT, 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 ZVI-21-019 with KIGT, Inc. for a \$1,999,425 grant to design and build an EV charging plaza in Ontario, California. The plaza will serve transportation network company (TNC) drivers and other EV drivers, reduce deadhead miles (miles driven with no passenger or cargo) for TNC drivers, and demonstrate a replicable business model. In addition, the project includes a match-funded microgrid with 2 MW of solar PV and 500 kWh of battery storage. Signage for existing EV chargers to be dedicated to TNC drivers will be placed in three locations: Los Angeles, San Diego, and Riverside; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: EVGO SERVICES 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-21-020 with EVgo Services LLC for a \$1,698,515 grant to provide 30 direct current fast charger stalls for high mileage on-demand transportation services at two sites in San Francisco and at the Oakland International Airport; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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



STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: SAN DIEGO COMMUNITY COLLEGE 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 Amendment 2 to Agreement 600-18-005 with San Diego Community College District increase funding by \$1,800,000; revise the Scope of Work to add training for incumbent fleet technicians, add up to six colleges as sub-recipients to augment existing medium-and heavy-duty truck programs to develop zero-emission truck and infrastructure curricula; extend the term of the Agreement by 24 months; and add special terms and conditions due to the new term extending beyond the liquidation deadline for the original funds; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: FRESNO CITY COLLEGE

**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- 056 with Fresno City College for a \$500,000 grant to develop curricula and conduct ZEV instruction and training for high school and college automotive students in the Fresno region; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: HOUSING AUTHORITY OF THE COUNTY OF SAN JOAQUIN

**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-21-057 with the Housing Authority of the County of San Joaquin for a \$500,000 grant to conduct ZEV training and workforce development and conduct outreach; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: COUNTY OF LOS ANGELES

**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-21-058 with the County of Los Angeles for a \$499,530 grant to develop and conduct EV charging infrastructure training, Electric Vehicle Infrastructure Training Project (EVITP) training and certification; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: NATIONAL INDIAN JUSTICE CENTER, 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 ARV-21-059 with National Indian Justice Center for a \$500,000 grant to develop and conduct ZEV and EVITP workforce training and certification for California Native American Tribal trainees in Humboldt and San Diego counties; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: CALIFORNIA STATE UNIVERSITY LONG BEACH RESEARCH  
FOUNDATION**

**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

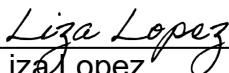
**RESOLVED**, that the CEC approves Agreement ARV-21-060 with California State University Long Beach Research Foundation for a \$499,908 grant to develop ZEV engineering curricula and conduct instruction and lab training for students; and

**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 May 11, 2022.

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

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: LOS ANGELES PIERCE COLLEGE

**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-21-061 with Los Angeles Pierce College for a \$500,000 grant to develop a ZEV Technology Training Program with curriculum and instruction for students; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: CAL STATE LOS ANGELES UNIVERSITY AUXILIARY SERVICES,  
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 ARV-21-062 with Cal State Los Angeles University Auxiliary Services for a \$499,994 grant to develop curriculum and instruct and train engineering students on ZEV and hydrogen refueling stations; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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



STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: GREEN PARADIGM CONSULTING, 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 ARV-21-064 with Green Paradigm Consulting, Inc. for a \$250,000 grant to develop and conduct an EV Charging Technician Training Program for military personnel and facilitate job placement; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: WEST OAKLAND JOB RESOURCE CENTER

**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-21-066 with West Oakland Job Resource Center for a \$350,000 grant to develop curriculum and conduct ZEV training for the transportation, distribution, and logistics industry workforce at and adjacent to the Port of Oakland; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: NORESKO, 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 400-21-004 with NORESKO, LLC for a \$7,500,000 contract to lead a team of professional architectural and engineering consultants to provide technical support for developing, updating, and maintaining the California Energy Code for nonresidential, single-family residential, and multifamily buildings; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: BRUCE A. WILCOX P.E. 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 400-21-003 with Bruce A. Wilcox, P.E. Inc. for a \$4,500,000 contract to lead a team of professional architectural and engineering consultants to provide technical support for developing, updating, and maintaining residential and nonresidential compliance documents, performance modeling tools, and related materials to support the California Energy Code; 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 May 11, 2022.

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

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

STATE OF CALIFORNIA  
STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA ON BEHALF  
OF THE LOS ANGELES 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 PIR-21-004 with The Regents of the University of California on behalf of the Los Angeles Campus for a \$749,999 grant to advance a novel technology that uses solar energy to convert low carbon hydrogen gas into clean hydrogen; 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 May 11, 2022.

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

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: TECHNOLOGY & INVESTMENT SOLUTIONS, 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 PIR-21-005 with Technology & Investment Solutions, LLC, for a \$1,926,287 grant to demonstrate and deploy a pilot-scale low carbon, hydrogen production system in Southern California. This project will build upon the existing anaerobic digestion and catalytic reformer system. The project will integrate proven process components consisting of a water gas shift reactor, pressure swing adsorption system, and hydrogen storage systems. The integration of these technologies will increase hydrogen production, achieve high hydrogen purity, and allow pipeline injection or local distribution; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: ASSOCIATION FOR ENERGY AFFORDABILITY, 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

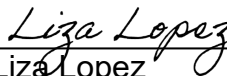
**RESOLVED**, that the CEC approves Agreement EPC-21-030 with Association for Energy Affordability, Inc., for a \$999,315 grant to fund a zero-carbon alternate design for an eight-story, 100 percent affordable housing project in San Jose, California. The design will be scalable, grid-resilient, and reduce costs and emissions by islanding from the main grid from 4:00 to 9:00 p.m. and reserving a minimum of 20 percent of the building's; 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 Resolution reflecting the CEQA findings and agreement approved at a meeting of the CEC held on May 11, 2022.

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

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: SELF-HELP ENTERPRISES

**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-21-031 with Self-Help Enterprises for a \$1,000,000 grant to engage a multidisciplinary team to design a zero net energy, all-electric, mixed-use, transit-oriented affordable housing community in Visalia, California. This project will enable the evaluation and integration of emerging energy technologies and construction practices using advanced analysis methods to create an affordable, equitable, decarbonized, resilient, and replicable development; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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



STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: SOLA IMPACT OPPORTUNITY ZONE FUND, LP

**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-21-032 with SoLa Impact Opportunity Zone Fund, LP, for a \$1,000,000 grant to design the Making Green Accessible affordable housing project with 50 or more sustainable, low-impact, zero-emissions homes in Compton, California. Centered around a mixed-use Resilience Hub, the project will provide innovative green technologies combined with an environmentally and socially conscious financial structure to establish a self-sustaining, resilient ecosystem; 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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: LAWRENCE BERKELEY NATIONAL LABORATORY**

**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

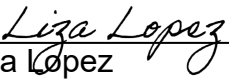
**RESOLVED**, that the CEC approves Agreement EPC-21-033 with Lawrence Berkeley National Laboratory for a \$4,000,000 grant to investigate the impact of cooking electrification, ventilation, and other interventions on indoor air quality and the respiratory health of children with asthma in under-resourced communities in California. This research will help guide policies related to building electrification, investments in low-income housing retrofits, and asthma and healthy homes programs to mitigate the environmental and health impacts of energy end uses in 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 May 11, 2022.

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

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: CalSEED CONCEPT AND PROTOTYPE SMALL GRANT AWARDS  
2022**

**WHEREAS**, pursuant to Public Resources Code section 25710 et seq. the State Energy Resources Conservation and Development Commission (“CEC”) is authorized to establish and administer the Electric Program Investment Charge (“EPIC”) Program; and

**WHEREAS**, the CEC has recognized that California’s electricity ratepayers benefit from energy research, development and demonstration (“RD&D”) activities conducted by individuals, small businesses, academics and small non-profit institutions; and

**WHEREAS**, the CEC has created the California Sustainable Energy Entrepreneur Development (“CalSEED”) Initiative within the EPIC Program to provide funding for the aforementioned public interest RD&D activities; and

**WHEREAS**, New Energy Nexus dba California Clean Energy Fund or CalCEF Ventures (“CalCEF”) is the administrator of the CalSEED Initiative under CEC Agreement Number 300-15-007 and is responsible for soliciting grant applications, recommending grant awards to the CEC, and managing approved grant projects; and

**WHEREAS**, CalCEF, in compliance with its duties under Agreement Number 300-15-007, held Solicitation 21-01, an open application period and competitive solicitation, and received 212 applications that passed initial screening, and as a result has proposed to CEC small grant projects for funding; and

**WHEREAS**, CEC staff has reviewed the projects CalCEF has proposed, and recommends the following 30 small grant projects for funding:

1. \$150,000 is being requested for the “Kepler Extensible Energy System” project with Kepler Energy Systems, Inc., a project to build a full-scale prototype of a compressed air energy storage system that utilizes a machine learning controller and historical and real-time data to continuously shape operations to meet peak demands; and
2. \$150,000 is being requested for the “Modular Thermo-electric Refrigeration Systems” project with Modulium Inc., a project to develop a modular thermo-electric refrigeration unit that can efficiently preserve perishable items of concern such as medicines, dairy, vaccines, and produce; and

3. \$150,000 is being requested for the “ERS Multi-Stage-Gasifier Powergen: For Small Particle and High Moisture-Content Biomass” project with Summation Lab, a project to develop a multistage gasifier system that transforms biomass like wood chips and almond shells into renewable energy in the form of a fuel gas (syngas) and electricity without incinerating the biomass; and
4. \$150,000 is being requested for the “Hybrid Battery Management System” project with HyVerde LLC, a project to design and demonstrate a hybrid battery management system that can be integrated into an EV to enable multiple types of battery chemistries and reduce temperature and charge variations across a battery; and
5. \$150,000 is being requested for the “Distributed Real-Time Monitoring and Control for Resilient Power Infrastructures” project with Perch Sensing Inc., a project to develop a distributed real-time monitoring and control system that significantly improves the resiliency of power infrastructure; and
6. \$150,000 is being requested for the “kWhBot – EV Charging Autonomous Robots” project with kWh Bot, a project to engineer autonomous robotic EV chargers that will deliver charge to EVs automatically at any parking spot in the service area; and
7. \$150,000 is being requested for the “Semitransparent Organic Solar Panels for Building-Integrated Photovoltaics” project with Horizon PV Inc., a project to develop a thin-film solar cell, which is semi-transparent, flexible, and can be laminated to glass surfaces or on walls, capable of generating clean renewable electricity from solar windows in buildings and vehicles, and
8. \$150,000 is being requested for the “Low-cost Solid-State Sodium Battery for Stationary Energy Storage” project with Ariya LLC dba Ariya Energy, a project to develop a solid-state polymer electrolyte for low-cost sodium batteries; and
9. \$150,000 is being requested for the “Low Cost, Additively Manufactured Marine Pumped HydroElectric Storage” project with RCAM Technologies, Inc., a project to develop Marine Pumped Hydroelectric Storage pods that can integrate with California’s floating offshore wind farms to create offshore renewable hybrid energy systems; and
10. \$150,000 is being requested for the “Low Pressure, Low Flow, Anti-Clogging Irrigation Device” project with OmniFlow Inc., a project to develop a water and energy-saving irrigation device with a terminal control component for precision irrigation that has anti-clogging abilities and lowers cost; and
11. \$150,000 is being requested for the “Discrete Cellular Building Systems” project with Discrete Lattice Industries, LLC, a project to develop a modular construction system for cellular building systems that offer significant cost and material savings through mass production and automation while offering novel combinations of performance and sustainability; and
12. \$150,000 is being requested for the “Rivieh Smart Building Platform” project with Rivieh, Inc., a project to develop a smart building energy management system designed for residential buildings; and
13. \$150,000 is being requested for the “Easy Does It - Automated Model Input for Building Control” project with Community Energy Labs, Inc., a project to develop a low-cost grid-interactive building control platform that can

- autonomously and flexibly manage energy and shape electricity demand for K-12, municipal, and small to mid-sized buildings; and
14. \$150,000 is being requested for the “Solar Thermal Energy Powered Water Desalination and Purification System” project with Solarflux Energy Technologies, Inc., a project to develop a modern, low-cost distributed water treatment solution using an energy efficient membrane distillation process that is powered by a solar thermal concentrator, providing a source of potable water in a compact, turnkey package; and
  15. \$150,000 is being requested for the “Unifying Vehicles and Grid with Ultralong Cycle Life Solid-State Batteries” project with Tyfast Energy Corp., a project to develop a long-lasting, solid-state battery cell with a novel anode material that allows for ultrafast charging without sacrificing safety and energy density; and
  16. \$150,000 is being requested for the “In-Situ Evapotranspiration Forecasts to Improve Farm Water Demand Estimates” project with Benchmark Labs, Inc., a project to develop a forecasting system that will provide hourly and daily forecasts of evapotranspiration and other environmental variables like temperature and relative humidity that are relevant for saving irrigation water; and
  17. \$150,000 is being requested for the “Controller and Sensor Integration for Optimized Electric Heavy-Vehicle Range Extension” project with Aeromutable Corporation, a project to develop a device that will provide continuously optimized aerodynamic performance of heavy vehicles, reducing energy consumption, and improving safety for the trucking industry while increasing their profitability through improved electric tractor range; and
  18. \$150,000 is being requested for the “100 kW DC Microgrid with Interoperable Charging (200-950V Vehicle Architectures)” project with ElectricFish Energy, Inc., a project to develop a direct current microgrid that can accommodate agnostic EV charging for current and future-ready voltage architectures with a minimal grid connection; and
  19. \$150,000 is being requested for the “Electrifying the Mining Industry” project with Aepnus Technology Inc., a project to develop an electrochemical technology platform that can synthesize critical battery minerals using electricity instead of carbon-intensive reagent chemicals; and
  20. \$150,000 is being requested for the “Solid-State Cell and Packaging Designed for Recyclability and Cycle Life” project with DarmokTech, a project to develop a cell and packaging design to make solid-state batteries a viable replacement for conventional Li-ion technology for EVs and short-duration storage, which are fire-prone and difficult to recycle; and
  21. \$150,000 is being requested for the “Arcadia SR - Solar Simplified “ project with TECSI Solar, a project to develop a solar panel for asphalt shingle roofs that integrates racking, flashing, hardware, and power electronics to simplify all rooftop components to a single unit, installed using a single tool; and
  22. \$150,000 is being requested for the “Affordable Filter That Improves HVAC Efficiency and Kills Airborne Pathogens” project with Korganotech Inc., a project to develop an energy-efficient and highly effective air-filtration system

- that consumes less energy compared to other air-purification technologies that are being applied to combat the spread of pathogens; and
23. \$150,000 is being requested for the “Localized Near-To-Long Term Climate Prediction to Prepare and Protect Communities” project with Climformatics Inc., a project to build a predictive near-term forecasting tool with increased accuracy for localized fire weather forecasting that will help predict, prepare, and protect the energy grid infrastructure, utilities, and consumers from future wildfires; and
  24. \$450,000 is being requested for the “Remote Inspection Platform for Utility Infrastructure” project with Tolo Inc., a project to continue to demonstrate a remote inspection platform for utility infrastructure using immersive photogrammetric imagery; and
  25. \$450,000 is being requested for the “Lithium-Ion Battery Fire Suppression System” project with RePurpose Energy, Inc., a project to continue to validate a system that tests, reassembles, and redeploys used EV batteries to store solar energy, creating lower-cost, more sustainable energy storage systems; and
  26. \$450,000 is being requested for the “Novel Composites to Increase Power Lines Capacity and Decrease Sag” project with ALD Technical Solutions LLC, a project to build an installer of a lightweight, long-lasting, and cost-effective structural composite reinforcement system that will be wrapped around existing transmission lines to increase power capacity, extend lifespan, decrease sag, and improve reliability and resiliency of grid infrastructure with no downtime and minimal capital investment; and
  27. \$450,000 is being requested for the “Green Hydrogen from Biogas” project with Hago Energetics, Inc., a project to demonstrate a technology that uses renewable energy to convert agricultural waste to green hydrogen for the transportation sector; and
  28. \$450,000 is being requested for the “Rapid Artificial Intelligence Screening to Significantly Reduce Cost of Battery Manufacturing” project with Parthian Energy, a project to continue to develop a new class of advanced battery sensors, with applications in manufacturing quality control, ultrafast charging, and evaluating second-life capabilities; and
  29. \$450,000 is being requested for the “Cost and CapEx Reduction of Silicon Photovoltaics through Streamlined Manufacturing” project with Leap Photovoltaics Inc., a project to further develop a process to manufacture crystalline silicon solar cells without wafers; and
  30. \$450,000 is being requested for the “Improving Situational Awareness of Distribution Equipment during Extreme Weather Conditions” project with Gridware Inc., a project to demonstrate a system of low-cost, solar-powered, sensor platforms that are deployed across a distribution grid to provide real-time monitoring and fault anticipation; and

**WHEREAS**, CEC staff has reviewed the 30 projects and determined that each project is exempt from the California Environmental Quality Act, as described in CEC staff’s “California Environmental Quality Act (CEQA) Analysis For Proposed Concept

and Prototype Small Grant Awards Under the California Sustainable Energy Entrepreneur Development (CalSEED) Initiative, Agreement No. 300-15-007” Memorandum (“Memorandum”) dated April 1, 2022, a document that is included in the backup materials to this Business Meeting item.

**THEREFORE BE IT RESOLVED**, that the CEC adopts CEC staff’s CEQA findings contained in the Memorandum for the 30 projects; and

**FURTHER BE IT RESOLVED**, that the CEC approves the 30 projects for a total of \$6,600,000; and

**FURTHER BE IT RESOLVED**, that the CEC directs CalCEF to execute grant agreements with the approved awardees pursuant to the requirements of Agreement Number 300-15-007.

**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 May 11, 2022.

AYE: Hochschild, Gunda, Monahan

NAY: NONE

ABSENT: McAllister, Vaccaro

ABSTAIN: NONE

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