

DOCKETED	
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STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION FINDING BUILDING ENERGY EFFICIENCY STANDARDS
CONTAINED IN THE CITY OF BRISBANE ORDINANCE NO. 691 SATISFY
STATUTORY REQUIREMENTS UNDER PUBLIC RESOURCES CODE SECTION
25402.1(h)(2)**

WHEREAS, The City of Brisbane adopted Ordinance No. 691, which establishes certain locally adopted building energy efficiency standards; and

WHEREAS, Public Resources Code section 25402(a) and (b) establishes that the California Energy Commission (CEC) shall prescribe, by regulation, statewide building energy efficiency and conservation standards; and

WHEREAS, Public Resources Code section 25402.1(h)(2) provides that nothing in Public Resources Code section 25402(a) or (b) shall prohibit the enforcement of city or county building energy efficiency standards if: (1) the city or county files the basis of its determination that the standards are cost-effective with the CEC and (2) the CEC finds that the locally adopted standards will require the diminution of energy consumption levels permitted by the rules and regulations adopted pursuant to Public Resources Code section 25402(a) and (b); and

WHEREAS, California Code of Regulations, Title 24, Part 1, section 10-106 establishes a process for local governmental agencies to submit an application to the CEC for a determination that locally adopted building energy efficiency standards meet the requirements set forth in Public Resources Code section 25402.1(h)(2); and

WHEREAS, The City of Brisbane submitted an application to the CEC that included: (1) the basis of its determination that the locally adopted energy efficiency standards contained in Ordinance No. 691 are cost-effective and (2) documentation that the locally adopted energy efficiency standards contained in Ordinance No. 691 will require the diminution of energy consumption levels compared to the 2022 Building Energy Efficiency Standards, as required by California Code of Regulations, Title 24, Part 1, section 10-106, on July 25, 2024; and

WHEREAS, The City of Brisbane adopted a determination at a public meeting on July 18, 2024, that the locally adopted energy efficiency standards contained in Ordinance No. 691 are cost-effective; and

WHEREAS, CEC staff has analyzed whether the locally adopted energy efficiency standards contained in Ordinance No. 691 will require the diminution of energy

consumption levels compared to the 2022 Building Energy Efficiency Standards, and determined that it will do so; and

WHEREAS, California Code of Regulations, Title 24, Part 1, section 10-106(b)(4) requires that the local governmental agency's application include any findings, determinations, declarations, or reports, including any negative declaration or environmental impact report, required pursuant to the California Environmental Quality Act, Public Resources Code section 21000 et seq.; and

WHEREAS, The City of Brisbane, in its application to the CEC, submitted the California Environmental Quality Act documentation required by California Code of Regulations, Title 24, Part 1, section 10-106(b)(4); and

WHEREAS, The locally adopted energy efficiency and conservation standards application filed by the City of Brisbane satisfies the requirements of California Code of Regulations, Title 24, Part 1, section 10-106; and

THEREFORE, BE IT FURTHER RESOLVED, that, pursuant to Public Resources Code section 25402.1(h)(2), the CEC finds the following: (1) The City of Brisbane has filed the basis of its determination that the locally adopted energy efficiency standards contained in Ordinance No. 691 are cost-effective, and (2) Ordinance No. 691 will require the diminution of energy consumption levels compared to the 2022 Building Energy Efficiency Standards; and

THEREFORE BE IT FURTHER RESOLVED, that the CEC directs the Executive Director to take all actions 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION FINDING BUILDING ENERGY EFFICIENCY STANDARDS
CONTAINED IN THE CITY OF SANTA MONICA ORDINANCE NO. 2790 SATISFY
STATUTORY REQUIREMENTS UNDER PUBLIC RESOURCES CODE SECTION
25402.1(h)(2)**

WHEREAS, The City of Santa Monica adopted Ordinance No. 2790, which establishes certain locally adopted building energy efficiency standards; and

WHEREAS, Public Resources Code section 25402(a) and (b) establishes that the California Energy Commission (CEC) shall prescribe, by regulation, statewide building energy efficiency and conservation standards; and

WHEREAS, Public Resources Code section 25402.1(h)(2) provides that nothing in Public Resources Code section 25402(a) or (b) shall prohibit the enforcement of city or county building energy efficiency standards if: (1) the city or county files the basis of its determination that the standards are cost-effective with the CEC and (2) the CEC finds that the locally adopted standards will require the diminution of energy consumption levels permitted by the rules and regulations adopted pursuant to Public Resources Code section 25402(a) and (b); and

WHEREAS, California Code of Regulations, Title 24, Part 1, section 10-106 establishes a process for local governmental agencies to submit an application to the CEC for a determination that locally adopted building energy efficiency standards meet the requirements set forth in Public Resources Code section 25402.1(h)(2); and

WHEREAS, The City of Santa Monica submitted an application to the CEC that included: (1) the basis of its determination that the locally adopted energy efficiency standards contained in Ordinance No. 2790 are cost-effective and (2) documentation that the locally adopted energy efficiency standards contained in Ordinance No. 2790 will require the diminution of energy consumption levels compared to the 2022 Building Energy Efficiency Standards, as required by California Code of Regulations, Title 24, Part 1, section 10-106, on October 15, 2024; and

WHEREAS, The City of Santa Monica adopted a determination at a public meeting on September 24, 2024, that the locally adopted energy efficiency standards contained in Ordinance No. 2790 are cost-effective; and

WHEREAS, CEC staff has analyzed whether the locally adopted energy efficiency standards contained in Ordinance No. 2790 will require the diminution of energy

consumption levels compared to the 2022 Building Energy Efficiency Standards, and determined that it will do so; and

WHEREAS, California Code of Regulations, Title 24, Part 1, section 10-106(b)(4) requires that the local governmental agency's application include any findings, determinations, declarations, or reports, including any negative declaration or environmental impact report, required pursuant to the California Environmental Quality Act, Public Resources Code section 21000 et seq.; and

WHEREAS, The City of Santa Monica, in its application to the CEC, submitted the California Environmental Quality Act documentation required by California Code of Regulations, Title 24, Part 1, section 10-106(b)(4); and

WHEREAS, The locally adopted energy efficiency and conservation standards application filed by the City of Santa Monica satisfies the requirements of California Code of Regulations, Title 24, Part 1, section 10-106; and

THEREFORE, BE IT FURTHER RESOLVED, that, pursuant to Public Resources Code section 25402.1(h)(2), the CEC finds the following: (1) The City of Santa Monica has filed the basis of its determination that the locally adopted energy efficiency standards contained in Ordinance No. 2790 are cost-effective, and (2) Ordinance No. 2790 will require the diminution of energy consumption levels compared to the 2022 Building Energy Efficiency Standards; and

THEREFORE BE IT FURTHER RESOLVED, that the CEC directs the Executive Director to take all actions 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

**RESOLUTION: National Wind Technology Consortium, Inc. dba National Offshore
Wind Research & Development Consortium (NOWRDC)**

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 300-24-001 with NOWRDC for \$25,000 for contract for a one-year CEC membership. NOWRDC is a national, non-profit collaborating with industry, state, and federal government on research and development to reduce the levelized-cost of offshore wind energy while maximizing economic and social benefits; 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 December 11, 2024.

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

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Interstate Renewable Energy Council, 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 200-24-005 with Interstate Renewable Energy Council, Inc. for a \$5,000 contract for a one-year CEC membership. The membership allows CEC staff to connect with key stakeholders in the solar industry; 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Interstate Renewable Energy Council, 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 200-24-006 with Interstate Renewable Energy Council, Inc. for a \$5,000 sponsorship contract to support research and implement the 2023 National Solar Jobs Census, with a focus on California-specific data; 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: American Council for an Energy Efficient Economy (ACEE)

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 200-24-003 with ACEE for a \$25,000 contract for a one-year membership. Membership allows CEC staff access to a network of energy efficiency experts, leaders, and decision makers; 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: CivicWell

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 200-24-004 with CivicWell for a \$15,000 contract for a one-year membership. Membership allows CEC staff to meet with key stakeholders and participate in forums to pursue innovative smart-growth and climate resilience strategies; 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Clean Energy States Alliance, Inc. (CESA)

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 500-24-002 with CESA for a \$50,000 contract for a one-year membership. CESA is a national, nonprofit coalition of state, municipal and regional clean energy agencies and organizations working to advance clean energy markets, and the development of clean energy technology. Membership includes a CEC seat on the CESA Board of Directors, participation in national energy work groups, and informational resources; 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 December 11, 2024.

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

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Aspen Environmental Group

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

RESOLVED, that the CEC approves agreement Amendment 04 to Contract 700-22-004 with Aspen Environmental Group to augment the existing agreement by \$500,000 to support Assembly Bill 3 (Stats. 2023, ch. 314.) California Offshore Wind Advancement Act work. Additional funds will support preparation of a second-phase plan and strategy for a seaport readiness report, and a report on the feasibility of achieving 50% and 65% in-state assembly and manufacturing of offshore wind energy projects. These reports are due to the Governor and the Legislature by December 31, 2026, and December 31, 2027, respectively; 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Los Angeles Cleantech Incubator

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

RESOLVED, that the CEC approves agreement ARV-24-006 with Los Angeles Cleantech Incubator for a \$4,999,720 grant. This agreement will install 62 electric vehicle (EV) direct current fast charging ports at two facilities in Vernon and Wilmington to support the zero-emission medium- and heavy-duty vehicle fleets. Three battery energy storage systems for added fleet support will also be installed at the Wilmington site to reduce demand charge costs and provide backup power for uninterrupted operations; 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Bidirectional Energy Inc.

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

RESOLVED, that the CEC approves agreement EPC-24-029 with Bidirectional Energy Inc. for a \$2,172,061 grant. This agreement will develop and demonstrate a bidirectional EV charger that will be interoperable with multiple EV models and an aggregator platform to enable backup power and grid-supportive load shifting at residential homes across 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Weave Grid, Inc.

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

RESOLVED, that the CEC approves agreement EPC-24-023 with Weave Grid, Inc. for a \$2,455,187 grant. This agreement will demonstrate a smart charging platform at sites in Los Angeles County to optimize EV charging schedules based on local distribution grid constraints and bulk grid benefits. The demonstration will also show how software optimization of EV battery discharge capabilities with bidirectional equipment can provide further local distribution grid value; 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 December 11, 2024.

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

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

RESOLUTION: IEP Camp Pendleton Energy Storage 1, LLC

WHEREAS, IEP Camp Pendleton Energy Storage 1, LLC has requested funding for Phase I of the Commercial Demonstration of a Long-Duration Energy Storage System Project, known as the Haybarn Energy Resiliency Center (Project), a project to construct and operate a zinc hybrid cathode aqueous flow battery energy storage system with a capacity of 50 megawatts (MW) / 486 megawatt hours (MWh), located at Vandegrift Boulevard, Marine Corps Base Camp Pendleton, San Diego County, California. The commercial deployment of the long-duration energy storage will demonstrate a cost-effective solution to support grid reliability, resilience and decarbonization; and

WHEREAS, the California Energy Commission (CEC) is the lead agency pursuant to the California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21000 et seq.) and the CEQA Guidelines (Cal. Code Regs., tit. 14, § 15000 et seq.); and

WHEREAS, on October 28, 2024, the CEC published on its public website and docket its Initial Study (IS), proposed Mitigated Negative Declaration (MND), proposed Mitigation Monitoring and Reporting Program (MMRP), and Notice of Intent to Adopt a Mitigated Negative Declaration for the Project, all of which the State Clearinghouse received and published to its public website on October 28, 2024; and

WHEREAS, the IS and proposed MND conclude that the Project will not result in any significant environmental impacts, with the imposition and implementation of the mitigation measures proposed in the IS and MMRP in the technical areas of Biological Resources, Cultural and Tribal Cultural Resources, and Geology and Soils; and

WHEREAS, the Notice of Intent was published in the San Diego Union-Tribune in accordance with CEQA. Moreover, it was provided to responsible agencies, trustee agencies, the San Diego County Clerk, and organizations and individuals who have previously requested such notice; and

WHEREAS, the CEC provided a review and comment period for the IS and proposed MND, which ran from October 28, 2024 through 5:00 p.m. on November 27, 2024; and

WHEREAS, during the review and comment period for the IS and proposed MND, the CEC received one comment letter; and

WHEREAS, the CEC posted a final IS/MND on the docket and website that contains minor revisions to clarify and make insignificant modifications to the MND and the MMRP; and

WHEREAS, on December 11, 2024, the CEC held a public hearing to consider adoption of the IS, proposed MND, final IS/MND and MMRP; and

WHEREAS, the Energy Commission has reviewed and considered the IS, proposed MND, final IS/MND, MMRP and other related documents in the record before it.

THEREFORE, BE IT RESOLVED, after reviewing and considering the IS, MND, final IS/MND, MMRP, comments, and all related materials in the record, the CEC finds the following: (1) the IS, proposed MND, final IS/MND and MMRP were completed in compliance with CEQA; (2) with the implementation of the mitigation measures and MMRP adopted in this resolution, there is no substantial evidence that the adoption of the Project will have a significant effect on the environment, (3) the Negative Declaration reflects the CEC's independent judgment and analysis and (4) the change to mitigation is equivalent or more effective in mitigating environmental impacts and the change to mitigation does not itself cause any potentially significant effect. The CEC hereby adopts the IS, MND, final IS/MND and MMRP, including adopting and imposing mitigation measures, MM BIO-1- MM BIO-15, MM CULT-1 – MM CULT-5, and MM GEO-1, which are in the final IS/MND and MMRP. Documents and other materials that constitute the record of proceedings upon which the decision to adopt the MND and MMRP is based can be found at the Natural Resources Headquarters Building, 715 P Street, Sacramento, California, 95814 in the custody of the CEC Docket Unit; and

FURTHER BE IT RESOLVED, that the CEC approves agreement LDS-24-004 with IEP Camp Pendleton Energy Storage 1, LLC for a \$42,000,000 grant to deploy and operate the Haybarn Energy Resiliency Center, a 48 MWh zinc hybrid cathode battery energy storage system, to support the Base. During normal operations, the system will provide grid services; during grid outages, the system will support the Base's essential energy needs for up to fourteen days; 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Eos Energy Storage, 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 LDS-24-003 with Eos Energy Storage, LLC for an \$8,028,175 grant to fund deployment of a 1 MW/8 MWh non-lithium-ion long duration energy storage (LDES) system. The agreement will support Naval Base San Diego's Energy Resiliency Conservation Investment Program's renewable microgrid project, serving a portion of their critical facilities. The project aims to enhance energy resilience and serve as a blueprint for LDES system installations for renewable microgrids at naval facilities; 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 December 11, 2024.

AYE: Hochschild, Gunda, McAllister, Monahan, Gallardo

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION 2024–2025 Investment Plan Update for the Clean Transportation
Program

WHEREAS, Assembly Bill 118 (Núñez, Chapter 750, Statutes of 2007) established the Clean Transportation Program (formerly the Alternative and Renewable Fuel and Vehicle Technology Program) to be administered by the Energy Commission (CEC), with a goal to “develop and deploy innovative technologies that transform California’s fuel and vehicle types to help attain the state’s climate change policies” (Health and Safety Code §44272(a)). The same law also directs the CEC to develop and update an investment plan that will determine priorities and opportunities for the Clean Transportation Program (Health and Safety Code §44272.5); and

WHEREAS, the CEC must prepare and submit an investment plan update to the Legislature (Health and Safety Code §44272.7(b)); and

WHEREAS, Assembly Bill 126 (Reyes, Chapter 319, Statutes of 2023) extended the collection of fees supporting the Clean Transportation Program through July 1, 2035; and

WHEREAS, the development of the *2024–2025 Investment Plan Update* has benefited from two public Advisory Committee meetings and 402 comments submitted to public docket; and

WHEREAS, after considering all materials and comments received, Commissioner Monahan, Lead Commissioner for Transportation, released the latest draft of the *2024–2025 Investment Plan Update* on November 26, 2024. The *2024–2025 Investment Plan Update* includes proposed funding allocations for fuels and technologies designed to advance the goals of the Clean Transportation Program.

The proposed allocations for the *2024–2025 Investment Plan Update* are for the current fiscal year only, allocating Clean Transportation Program funding of \$95.2 million. The plan also discusses estimated future allocations from the Greenhouse Gas Reduction Fund and General Fund Zero-Emission Vehicle (ZEV) Climate Package investments, equaling about \$1.3 billion. In total, the plan discusses \$1.39 billion in funding; and

WHEREAS, CEC staff will develop solicitations, grants, and other types of agreements to implement these funding allocations; and

WHEREAS, the CEC has considered the application of the California Environmental Quality Act (CEQA) to the adoption of the *2024–2025 Investment Plan Update*, and

concluded that the adoption of this report is not a “project” under CEQA, but that in the event that adoption were determined to be a project, that it would nonetheless be exempt from CEQA requirements pursuant to the “common sense” exemption (CEQA Guidelines, § 15061, subd. (b)(3)).

THEREFORE, THE CALIFORNIA ENERGY COMMISSION FINDS:

the *2024–2025 Investment Plan Update* not to be a project under CEQA, adopts the *2024–2025 Investment Plan Update* with any errata or edits approved at the December 11, 2024 Business Meeting, and directs CEC staff to prepare the *2024–2025 Investment Plan Update* incorporating any non-substantive changes such as typographical corrections, to forward the *2024–2025 Investment Plan Update* to the appropriate committees of the Legislature for review pursuant to Health and Safety Code section 44272.7(b), and to make the *2024–2025 Investment Plan Update* available to the public.

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 December 11, 2024.

AYE: Hochschild, Gunda, Monahan, Gallardo

NAY: NONE

ABSENT: McAllister

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION CONFIRMING THE CALIFORNIA ENERGY COMMISSION'S
APPROVAL OF A DEVIATION FROM THE 2023 IEPR FORECAST FOR THE
CALIFORNIA INDEPENDENT SYSTEM OPERATOR'S 2024-25 TRANSMISSION
PLANNING PROCESS

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

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

WHEREAS, the CEC consulted with appropriate state and federal agencies in developing and adopting the *2023 Integrated Energy Policy Report (2023 IEPR)* and the 2023 IEPR Forecast including, but not limited to, the California Public Utilities Commission (CPUC), the California Air Resources Board (CARB), and the California Independent System Operator (California ISO).

WHEREAS, the 2023 IEPR Forecast serves as a key input into a number of planning and procurement efforts, including transmission and distribution system planning, integrated resource planning, resource adequacy, and other studies and proceedings; and

WHEREAS, consistent with an agreement among leadership at the CEC, CPUC, and California ISO, specific variants of the adopted demand forecast to be used in individual applications are described as the "single forecast set agreement" in the text of the *2023 IEPR*; and

WHEREAS, subsequent to the adoption of the 2023 IEPR Forecast, the CEC received new information about load growth due to the United States Navy's plan to replace three aircraft carriers at Naval Base Coronado with the first arriving in 2028; and

WHEREAS, the load growth associated with the replacement aircraft carriers is not reflected in the 2023 IEPR Forecast; and

WHEREAS, in collaboration with CPUC and California ISO, it was determined a deviation to the 2023 IEPR Forecast is necessary for the California ISO's 2024-25 Transmission Planning Process and to complete the needed grid upgrades in time for the first aircraft carrier arriving in 2028; and

WHEREAS, the CEC acknowledges the substantial reliance on its annual demand forecasts by energy planning agencies and that this deviation may cause unintended difficulties, but that this rare departure from the CEC's planning process was necessary due to the size and timing of the unanticipated load to further national security; and

WHEREAS, the CEC is currently preparing its *2024 IEPR Update* and will include the newly reported load growth from all three replacement aircraft carriers in the 2024 IEPR Forecast;

THEREFORE BE IT RESOLVED, the CEC approves the joint CEC, CPUC and California ISO determination that the California ISO may deviate from the 2023 IEPR Forecast to support its 2024-25 Transmission Planning Process and associated upgrades to the grid.

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 December 11, 2024.

AYE: Hochschild, Gunda, Monahan, Gallardo

NAY: NONE

ABSENT: McAllister

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: County of Santa Clara

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 EECBG-24-003 with County of Santa Clara for a \$700,000 grant. This agreement will support development of the Neighborhood Electrification Planning Pilot Program, Permit Support Pilot and Modernization Program, and planning for the replacement of county domestic hot water heaters and gas heat packaged units with more sustainable alternatives; 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 December 11, 2024.

AYE: Hochschild, Gunda, Monahan, Gallardo

NAY: NONE

ABSENT: McAllister

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: City of Pinole

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 EECBG-24-004 with City of Pinole for a \$700,000 grant. This agreement will support the Pinole Energy Enhancement Rebate Pilot Program and development of a virtual all-electric building resource center, draft building performance standard program, municipal building decarbonization plan, permitting compliance program, water heater loaner program, green workforce training program, and photovoltaic microgrid system design for the City's wastewater treatment plan; 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 December 11, 2024.

AYE: Hochschild, Gunda, Monahan, Gallardo

NAY: NONE

ABSENT: McAllister

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: California Air Resources Board (CARB)

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 500-24-003 with California Air Resources Board (CARB) for \$22,692,308.27 and adopting staff's recommendation that this action is exempt from CEQA. Pursuant to Assembly Bill 205 (Stats. 2022, ch. 61), this agreement will transfer the calculated mitigation costs of excess emissions associated with the dispatch of fossil fueled resources in response to the 2022 extreme heat event to CARB for the Climate Heat Impact Response Program; 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 December 11, 2024.

AYE: Hochschild, Gunda, Monahan, Gallardo

NAY: NONE

ABSENT: McAllister

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

Carlsbad Energy Center, LLC
Post Certification Petition to Amend

Docket No.: 07-AFC-06C

Order Approving Post Certification
Petition to Amend

PROPOSED ORDER: Carlsbad Energy Center Project –
Petition to Amend (Docket No. 07-AFC-06C)

I. BACKGROUND

The Carlsbad Energy Center Project is a 527-megawatt (MW) natural gas-fired, thermal power plant operating in simple-cycle configuration. The project is located in Carlsbad, San Diego County. It was certified by the CEC on July 30, 2015, and began commercial operation on December 12, 2018.

On February 3, 2020, Carlsbad Energy Center, LLC (CECL), the project owner, filed a post certification petition with the California Energy Commission (CEC) requesting to amend the Carlsbad Energy Center Project Final Commission Decision (Decision). On September 26, 2023, the CECL filed a supplemental petition (TN 252418) with the CEC in order to conform air quality conditions of certification COCs with the San Diego Air Pollution Control District (SDAPCD) amended operating permit under Title V of the federal Clean Air Act. The project owner is seeking approval to modify Air Quality (AQ) Conditions of Certification (COC).

The project owner is seeking approval to add, modify or delete the following AQ COCs:

- Modify the definition of turbine shutdown without changes in emissions and to modify the permitted carbon monoxide (CO) startup mass emission limit during turbine startup in COC AQ-40;
- Administrative changes to back-calculations for NO_x emissions from the time gas flow ceases to the turbine in shutdown in COC AQ-14;
- Additional NO_x and CO emission limit for periodic tuning of natural gas-fired combustion turbine generators in COC AQ-45; and

- Incorporate the new and revised AQ COCs for consistency with amended SDAPCD permit by:
- Modifying the following AQ COCs: AQ-1, AQ-2, AQ-7, AQ-9, AQ-12, AQ-14, AQ-15, AQ-17, AQ-23 to AQ-36, AQ-39 to AQ-52, AQ-54, AQ-61 to AQ-63, AQ-66, AQ-67, AQ-69, AQ-70, AQ-73, AQ-74, AQ-76 to AQ-78, AQ-80, AQ-81, AQ-83, AQ-84, AQ-87, AQ-88, AQ-94 to AQ-96, AQ-100 and AQ-101 to AQ-105;
- Adding new AQ COCs: AQ-13a, AQ-90a and AQ-90; and
- Deleting AQ COCs: AQ-SC9, AQ-SC-12, AQ-SC13, AQ-3, AQ-4, AQ-6, AQ-8, AQ-13, AQ-18, AQ-19, AQ-60, AQ-64, AQ-71, AQ-79, AQ-82, AQ-85, AQ-86, AQ-90, AQ-92, AQ-93, and AQ-106 to AQ-121.

The modification to definition of turbine shutdown and the startup mass emission limit during turbine startup in COC AQ-40 are not expected to increase short-term emissions (i.e., maximum hourly, daily, or monthly emissions) of CO. The requested change to the CO startup emission limit is necessary to reflect what the turbines can achieve in practice and under ambient conditions. The modeling results indicate that with proposed change in CO startup emission the potential emissions are anticipated to be small and not expected to cause any exceedance of CO air quality emission standards. Additionally, the project is in the area which is attainment for state and federal CO standards operating.

In addition, proposed amendments would allow periodic tuning of the natural gas-fired combustion turbine generators to ensure the emissions control systems on the turbine generators are working optimally. Tuning may include, but not be limited to, activities associated with adjusting, optimizing, rebalancing, and otherwise calibrating emissions control equipment and equipment components to ensure proper performance specification during normal operations. NO_x and CO emissions may be temporarily higher during tuning activities than during normal operations because the selective catalytic reduction and oxidation catalyst system may not be fully optimized. Staff has determined that despite a minor increase in the hourly CO emission limit, the proposed modifications to the AQ COCs would not result in significant impacts to the ambient air quality and the environment, and the facility would continue to comply with

The additional proposed revisions to AQ COCs are necessary for consistency with the project's Title V operating permit. The modifications proposed by the CEC staff to the Air Quality COCs would allow the project to continue to operate in compliance with the Decision, the SDAPCD permits requirements, and applicable laws, ordinances, regulations, and standards.

The increase in operational hours required changes to the project's Title V operating permit under the federal Clean Air Act which is under the authority of the SDAPCD.

II. STAFF RECOMMENDATION

Staff recommends the CEC approve the petition.

Staff has reviewed the petition for potential environmental effects and consistency with applicable laws, ordinances, regulations, and standards pursuant to California Code of Regulations, title 20, section 1769. Staff concludes that, with the addition of new or amended conditions of certification (AQ-1, AQ-2, AQ-7, AQ-9, AQ-12, AQ-13a, AQ-14, AQ-15, AQ-17, AQ-23 to AQ-36, AQ-39 to AQ-52, AQ-54, AQ-61 to AQ-63, AQ-66, AQ-67, AQ-69, AQ-70, AQ-73, AQ-74, AQ-76 to AQ-78, AQ-80, AQ-81, AQ-83, AQ-84, AQ-87, AQ-88, AQ-90, AQ-90a AQ-94 to AQ-96, AQ-100, AQ-101 to AQ-105) the effect on the environment would be less than significant. Staff also concludes that the project would continue to comply with all applicable applicable laws, ordinances, regulations, and standards and that the findings specified in California Code of Regulations, title 20, section 1748(b), do not apply to the proposed changes. Staff also concludes the proposed new or modified AQ COCs do not meet any of the criteria requiring the preparation of subsequent or supplement review pursuant to Public Resources Code section 21166 or California Code of Regulations, title 14, sections 15162 and 15163. Finally, staff concludes that the updated conditions of certification are consistent with the requirements contained in permits issued by the SDAPCD. Staff's assessment of the petition was subject to a 45-day comment period and no substantive comments were received.

III. ENERGY COMMISSION FINDINGS

Based on the record, including staff's analysis, the CEC concludes that the proposed modifications will not result in any significant impacts to public health and safety, or to the environment. The CEC finds that:

- The petition meets all the filing criteria of California Code of Regulations, title 20, section 1769(a), concerning post-certification project modifications.
- The modifications will not change the findings in the CEC's Final Decision, pursuant to California Code of Regulations, title 20, section 1748.
- The project will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources Code section 25525.
- Any environmental impacts will be less than significant with the addition of new or amended conditions of certification: (AQ-1, AQ-2, AQ-7, AQ-9, AQ-12, AQ-13a, AQ-14, AQ-15, AQ-17, AQ-23 to AQ-36, AQ-39 to AQ-52, AQ-54, AQ-61 to AQ-63, AQ-66, AQ-67, AQ-69, AQ-70, AQ-73, AQ-74, AQ-76 to AQ-78, AQ-80, AQ-81, AQ-83, AQ-84, AQ-87, AQ-88, AQ-90, AQ-90a AQ-94 to AQ-96, AQ-100, AQ-101 to AQ-105).
- The proposed new or modified AQ COCs do not meet any of the criteria requiring the preparation of subsequent or supplement review pursuant to Public

Resources Code section 21166 or California Code of Regulations, title 14, sections 15162 and 15163.

- Notice of the staff assessment was mailed to the CEC's list of interested parties and property owners of all parcels within 500 feet of any affected project linears and 1,000 feet of the project site as well as emailed to the CECL subscription list.
- The staff assessment was subject to a 45-day comment period.

IV. CONCLUSION AND ORDER

The CEC hereby adopts staff's recommendations and approves the petition and amended conditions of certification to the Commission Decision as set forth in the staff analysis (TN 259209) and errata (TN 260255).

IT IS SO ORDERED.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on December 11, 2024.

AYE: Hochschild, Gunda, Monahan, Gallardo

NAY: NONE

ABSENT: McAllister

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: DNV USA INC.

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

RESOLVED, that the CEC approves agreement EPC-24-028 with DNV USA INC. for a \$2,460,222 grant. This agreement will fund the development and demonstration of an advanced, computer software prediction model for managing and reducing the corrosion and scaling impacts of geothermal fluids on geothermal power plant components. The model will be developed in laboratories in Los Angeles and Sonoma counties and field tested at a geothermal power plant in the Salton Sea 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 reflecting the CEC's decision to approve the described grant at a meeting of the CEC held on December 11, 2024. AYE: Hochschild, Gunda, Monahan, Gallardo

NAY: NONE

ABSENT: McAllister

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

RESOLUTION: California Clean Energy Fund DBA CalCEF Ventures

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, in Quarter 3 of 2024 held a competitive solicitation, and as a result has proposed to CEC small grant projects for funding; and

WHEREAS, CEC staff has reviewed the small grant projects CalCEF has proposed, and recommends the following 17 small grant projects for funding:

1. \$200,000 is being requested for the Polyi Gan Power Platform project with Three Rivers Power, LLC, a project to create a system that combines the AC inverter, battery charger, battery monitoring, management and cell-balancing functions onto a small circuit card component which attaches to a small group of battery cells; and
2. \$200,000 is being requested for the Woven-Graphite Anodes by Direct Solar-Thermal Deposition for Recyclable Lithium-Ion Batteries project with SolGraph, Inc., a project to demonstrate the efficacy of a newly discovered form of clean, cylindrically-layered graphite to significantly enhance the life and recyclability of lithium-ion batteries via a single-component woven anode produced by solar synthesis; and

3. \$200,000 is being requested for the Advanced Data and Controls for Multi-Function Multi-Family Heat Pump Systems project with Aris Hydronics Inc., a project to design and test a multi-function air-to-water heat pump system for heating, cooling, and domestic hot water; and
4. \$200,000 is being requested for the Recyclable Immersion-Cooled Battery Energy Storage System project with Wayside, a project to design and build a full-scale unit to test power and thermal characteristics of a battery energy storage system; and
5. \$200,000 is being requested for the Circular Economy via Recovery Critical Metals from Alternative Sources project with We Think Global Inc., a project to deploy up to three mobile, decentralized wastewater and sludge management technologies to recover certain critical minerals such as copper from alternative sources; and
6. \$200,000 is being requested for the Heavy Duty Electric Trailers: Reliable Electric Drives replacing Diesel Engines project with Cryodrive, LLC, a project to develop a high-powered, ultra-rugged AC to AC power based power system for electrifying existing diesel systems that power on-board trailer motors such as the refrigerator on a grocery truck trailer; and
7. \$200,000 is being requested for the AI-Driven Optimization Modeling for Efficient Fleet Charging Management project with AmpTrans Inc., a project to enhance theoretical models and develop software for an electric vehicle fleet charging management system; and
8. \$200,000 is being requested for the Hybrid Additive and Advanced Manufacturing of Metals project with KVA Technologies, a project to develop real-time temperature mapping capabilities for improved process control and traceability on an existing proof-of-concept bench scale integrated metal 3D printing device; and
9. \$200,000 is being requested for the Electrifying 700-1600 C Process Heat with Thermal Energy Storage project with Calcestra, Inc, a project to develop and validate the thermal energy storage material that is critical to the successful implementation of a high-temperature thermal storage technology that uses renewable electricity to generate high-temperature heat, which can then be stored and used to power industrial processes for the production of materials like steel, cement, and glass at low-cost; and
10. \$200,000 is being requested for the OpenRoad Accessible EV Fast-chargers and Platform project with OpenRoad Technologies Inc., a project to design and revise electronic circuit boards and components, and assemble them within printed enclosures, with the goal of completing a prototype EV charger that provides high-speed charging from standard consumer-grade electrical outlets; and
11. \$200,000 is being requested for the Modular, On-site, Green Ammonia Production from Variable Renewable Energy project with 17, Inc., a project to develop small-scale, modular ammonia production units for location onsite solar/wind plants enabling excess clean energy to be converted into a transportable, multi-market zero carbon commodity; and

12. \$200,000 is being requested for the Modular Solar EV Charging Stations to Rapidly Electrify California Fleets project with Gridwave, PBC, a project to design, build and test an intelligent energy controls system architecture on a modular solar electric vehicle charging station platform; and
13. \$200,000 is being requested for the Sodium-ion Battery Powered MWh Rapid charger for Electric Trucks project with Navion Energy, Inc., a project to fabricate and optimize a battery management system integrated with a 600V 120kWh sodium-ion battery pack and validate it in a state-of-the-art testing facility; and
14. \$200,000 is being requested for the Safer, Lower Cost, High Power Charging, Heavy-Duty Vehicle Batteries project with Coulomb Technology, a project to continue to optimize 5Ah pouch cells and then scale up to at least 20Ah prismatic cells; and
15. \$200,000 is being requested for the Wireless Charging from Power Lines for Autonomous Fire-Threat Detection EVs project with Sol Robotics, Inc., a project to develop a wireless charging technology that harnesses the magnetic field from overhead power lines for the primary purpose of recharging autonomous fire-threat detection electric vehicles in remote areas of California; and
16. \$200,000 is being requested for the Solid-State Battery Design for Non-Shredding Disassembly and Recycling Efficiency project with EcoRecycleTech, a project to design a solid-state lithium-ion battery cell and pack that enables its facile repair, repurposing, and automated disassembly without shredding, in order to maximize its circular economics and ecofriendliness; and
17. \$200,000 is being requested for the A Green-Solvent Critical Materials Separation Technology for Novel Battery Cathode Materials project with Manara Materials LLC, a project to optimize a novel separation method relying on inorganic green solvents to recover battery critical materials from oil refinery domestic wastes that can then be repurposed for high energy density cathode materials for energy storage applications; and

WHEREAS, CEC staff has reviewed the projects and determined that each project is exempt from the California Environmental Quality Act, as described in CEC staff's "Project Summaries and California Environmental Quality Act (CEQA) Analysis For Proposed Concept Small Grant Awards Under the California Sustainable Energy Entrepreneur Development (CalSEED) Initiative" Memorandum ("Memorandum") dated November 1, 2024, 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 17 small grant projects; and

FURTHER BE IT RESOLVED, that the CEC approves the 17 small grant projects for a total of \$3,400,000; 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 December 11, 2024.

AYE: Hochschild, Gunda, Monahan, Gallardo

NAY: NONE

ABSENT: McAllister

ABSTAIN: NONE

Dated: December 12, 2024

SIGNED BY:

Kristine Banaag
Secretariat