

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: INDEPENDENT AUDIT FOR JOB CREATION FUND - PROP 39.

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 200-19-029 between the Proposition 39 Citizens Oversight Board and the State Controller's Office for \$600,000 to audit a selection of completed projects funded by the Clean Energy Jobs Act Job Creation Fund to evaluate project effectiveness in meeting the intent of the California Clean Energy Jobs Act; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

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

Docket No. 13-ATTCP-01

**RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION
APPROVING THE NATIONAL ENERGY MANAGEMENT INSTITUTE COMMITTEE'S
PROPOSED MECHANICAL ACCEPTANCE TEST TECHNICIAN CERTIFICATION
PROVIDER UPDATES FOR THE *2019 BUILDING
ENERGY EFFICIENCY STANDARDS***

WHEREAS, Section 10-103.2(d) of the *2019 Building Energy Efficiency Standards* (Energy Code) requires mechanical acceptance test technician certification providers (ATTCPs) to report to the California Energy Commission (CEC) what adjustments have been made to the training curricula to address changes reflective of the variety of mechanical systems that are currently encountered in the field, changes to mechanical acceptance testing requirements, or adopted updates to the Energy Code; and

WHEREAS, the 2019 Energy Code, California Code of Regulations, Title 24, Part 6, and associated administrative regulations in Part 1, Chapter 10, are in effect as of January 1, 2020; and

WHEREAS, the National Energy Management Institute Committee (NEMIC) submitted the update report required by Section 10-103.2(d) of the 2019 Energy Code to the CEC; and

WHEREAS, CEC staff reviewed the NEMIC 2019 update report and determined that the proposed training curricula adjustments meet the requirements in Section 10-103.2(c) of the 2019 Energy Code; and

WHEREAS, the executive director of the CEC provided a written recommendation describing the review and validation of the NEMIC 2019 update report by CEC staff and recommending approval of the proposed training curricula adjustments and application amendments; 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 training curricula adjustments and application amendments proposed by NEMIC meet the requirements in Section 10-103.2(c) of the 2019 Energy Code; and

BE IT FURTHER RESOLVED, that the CEC confirms the executive director's findings, adopts his recommendation, and approves NEMIC's proposed training curricula adjustments and application amendments as described in NEMIC's update report.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION ADOPTING
REVISED RENEWABLES PORTFOLIO STANDARD 2014-2016 VERIFICATION
RESULTS REPORT FOR LASSEN MUNICIPAL UTILITY DISTRICT
FOR COMPLIANCE PERIOD 2

WHEREAS, Public Utilities Code Section 399.25(b) requires the California Energy Commission to design and implement an accounting system to verify compliance with California's Renewables Portfolio Standard (RPS) by retail sellers and local publicly owned electric utilities (POUs), to ensure that electricity generated by an eligible renewable energy resource is counted only once for the purpose of meeting the renewables portfolio standard of this state or any other state, and for verifying retail product claims in this state or any other state; and

WHEREAS, the California Energy Commission, in collaboration with the California Public Utilities Commission, has adopted regulations and guidelines addressing its responsibilities under Public Utilities Code Section 399.25(b) as well as other provisions of the law governing California's RPS, the *Enforcement Procedures for the Renewables Portfolio Standard Local Publicly Owned Electric Utilities* (RPS POU Regulations) and the *Renewables Portfolio Standard Eligibility Guidebook, Ninth Edition (Revised)* (RPS Eligibility Guidebook), respectively; and

WHEREAS, in furtherance of Public Utilities Code Section 399.25(b) the California Energy Commission prepares a Renewables Portfolio Standard Verification Results report on its findings on the amount of eligible renewable energy procured each compliance period by POUs subject to California's RPS; and

WHEREAS, the Renewables Portfolio Standard Verification Results reports apply the statutory requirements as specified in Public Utilities Code Section 399.11, et seq., the RPS POU Regulations, RPS Eligibility Guidebook, and the California Energy Commission staff *Renewables Portfolio Standard Verification Methodology Report, Second Edition*, in determining the amount of renewable energy procurement that qualifies toward each POU's California RPS procurement requirements; and

WHEREAS, the California Energy Commission adopted a Renewables Portfolio Standard Verification Results Lassen Municipal Utility District Compliance Period 2 (2014-2016) report on March 12, 2019; and

WHEREAS, the scope of the Renewables Portfolio Standard Verification Results Lassen Municipal Utility District Compliance Period 2 (2014-2016) report included RPS procurement verification findings for Lassen Municipal Utility District; and

WHEREAS, the Renewables Portfolio Standard Verification Results Lassen Municipal Utility District Compliance Period 2 (2014-2016) report addressed the following items:

- The POU's procurement target and portfolio balance requirements.
- The amount of eligible renewable energy retired and the amount applied to meet the compliance period requirements, both shown by Portfolio Content Category (PCC) and other classifications.
- Any deficits in meeting the RPS procurement requirements for the compliance period.
- Any optional compliance measures being applied by the POU for the compliance period.
- A calculation of excess procurement accumulated in this compliance period.
- A summary of the POU's excess procurement and historic carryover, if any, including any prior balance, the amount accumulated and used in the current compliance period, and the ending balance.

WHEREAS, since adoption of the Renewables Portfolio Standard Verification Results Lassen Municipal Utility District Compliance Period 2 (2014-2016) report, Lassen Municipal Utility District, in consultation with California Energy Commission staff, decided that the optional compliance measure, delay of timely compliance, was not needed for Compliance Period 2 and thereafter changed the designation in the RPS Online System; and

WHEREAS, California Energy Commission staff are recommending adoption of a revised report entitled *Renewables Portfolio Standard Verification Results (Revised) Lassen Municipal Utility District Compliance Period 2 (2014-2016)* in order to remove the delay of timely compliance optional compliance measure as being applied by Lassen Municipal Utility District for Compliance Period 2; and

WHEREAS, the California Energy Commission has considered the *Renewables Portfolio Standard Verification Results (Revised) Lassen Municipal Utility District Compliance Period 2 (2014-2016)*, including any minor non-substantive changes noted during the June 10, 2020 Business Meeting, and accepts and approves the *Renewables Portfolio Standard Verification Results (Revised) Lassen Municipal Utility District Compliance Period 2 (2014-2016)*, with any noted minor, non-substantive changes; and

THEREFORE BE IT RESOLVED, the California Energy Commission hereby adopts the *Renewables Portfolio Standard Verification Results (Revised) Lassen Municipal Utility District Compliance Period 2 (2014-2016)* and authorizes the Executive Director, or his designee, make any necessary minor typographical edits, and distribute and post on the California Energy Commission website as necessary.

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION APPROVING THE CITY OF RICHMOND'S LOCALLY ADOPTED BUILDING ENERGY EFFICIENCY STANDARDS, ORDINANCE NO. 06-20 N.S.

RESOLUTION: California Energy Commission (CEC) approval of the City of Richmond's locally adopted building energy efficiency standards, Ordinance No. 06-20 N.S., to require greater energy efficiency than the 2019 Building Energy Efficiency Standards (Energy Code), provided in California Code of Regulations, Title 24, Part 6, and associated administrative regulations in Part 1, Chapter 10.

WHEREAS, The City of Richmond adopted Ordinance No. 06-20 N.S. to establish locally adopted building energy efficiency standards; and

WHEREAS, California Code of Regulations, Title 24, Part 1, Sections 10-106 and 10-110, establish a process for local governments to apply to the CEC for a determination that a locally adopted building energy efficiency standard meets the requirements of Public Resources Code Section 25402.1(h)(2); and

WHEREAS, The City of Richmond submitted an application to the CEC for Ordinance No. 06-20 N.S. that met all of the documentation requirements pursuant to Public Resources Code Section 25402.1(h)(2), and California Code of Regulations, Title 24, Section 10-106(b), on March 12, 2020; and

WHEREAS, The City of Richmond, in its application to the CEC, indicated that it complied with the California Environmental Quality Act (CEQA), codified in California Public Resources Code Section 21000 et seq.; and

WHEREAS, CEC staff has analyzed whether the ordinance will require the diminution of energy consumption levels permitted by the 2019 Energy Code, as required by Public Resources Code Section 25402.1(h)(2), and determined that it will do so; and

WHEREAS, CEC has considered the City of Richmond's application, the Executive Director's recommendation, and all comments submitted on the application.

THEREFORE BE IT RESOLVED, CEC finds that the City of Richmond's ordinance will require the diminution of energy consumption levels permitted by the 2019 Energy Code; and

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

**RESOLUTION APPROVING THE CITY OF HAYWARD'S LOCALLY ADOPTED
BUILDING ENERGY EFFICIENCY STANDARDS, ORDINANCE NO. 20-05**

RESOLUTION: California Energy Commission (CEC) approval of the City of Hayward's locally adopted building energy efficiency standards, Ordinance No. 20-05, to require greater energy efficiency than the 2019 Building Energy Efficiency Standards (Energy Code), provided in California Code of Regulations, Title 24, Part 6, and associated administrative regulations in Part 1, Chapter 10.

WHEREAS, The City of Hayward adopted Ordinance No. 20-05 to establish locally adopted building energy efficiency standards; and

WHEREAS, California Code of Regulations, Title 24, Part 1, Sections 10-106 and 10-110, establish a process for local governments to apply to the CEC for a determination that a locally adopted building energy efficiency standard meets the requirements of Public Resources Code Section 25402.1(h)(2); and

WHEREAS, The City of Hayward submitted an application to the CEC for Ordinance No. 20-05 that met all of the documentation requirements pursuant to Public Resources Code Section 25402.1(h)(2), and California Code of Regulations, Title 24, Section 10-106(b), on March 31, 2020; and

WHEREAS, The City of Hayward, in its application to the CEC, indicated that it complied with the California Environmental Quality Act (CEQA), codified in California Public Resources Code Section 21000 et seq.; and

WHEREAS, CEC staff has analyzed whether the ordinance will require the diminution of energy consumption levels permitted by the 2019 Energy Code, as required by Public Resources Code Section 25402.1(h)(2), and determined that it will do so; and

WHEREAS, CEC has considered the City of Hayward's application, the Executive Director's recommendation, and all comments submitted on the application.

THEREFORE BE IT RESOLVED, CEC finds that the City of Hayward's ordinance will require the diminution of energy consumption levels permitted by the 2019 Energy Code; and

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: FORM 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-19-041 with Form Energy, Inc. for a \$1,998,215 grant for the advanced development of an aqueous, air-breathing battery energy storage system. The project will result in the recipient's first fielded demonstration and independent measurement and verification of a 10 kW/1,000 kWh (100-hour) prototype energy storage system operating under relevant customer use conditions; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ANZODE 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-19-042 with Anzode Inc. for a \$1,747,721 grant to fund prototyping efforts to add a novel stabilizing compound to zinc-based battery electrodes which reduces electrode degradation. This stabilizer can be easily integrated into existing manufacturing processes and is expected to double battery life. The system will be tested to demonstrate performance in residential and commercial applications; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: T2M GLOBAL, LLC.

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

RESOLVED, that the CEC approves Agreement EPC-19-044 with T2M Global, LLC for a \$995,250 grant to develop and validate an Advanced Electrolyzer System (AES) that employs an innovative approach for increasing net electrical system efficiency by recovering dilute hydrogen from wastes and resources such as ammonia and gasified biomass. The AES electrolyzer stack is reversible and can operate in fuel cell mode to convert the stored hydrogen back to electricity. A small-scale system will be tested in a laboratory setting to validate the system performance under controlled conditions; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: DOE-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-19-033 with Lawrence Berkeley National Laboratory for a \$1,850,000 grant to demonstrate the installation of thin-glass triple-pane windows in at least 16 multifamily and 30 single-family housing units located in low-income or disadvantaged communities. The project includes detailed investigations into energy savings, long-term performance, and quality of installed products; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ELECTRIC POWER RESEARCH INSTITUTE, INC. (EPRI).

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-19-035 with EPRI for a \$1,999,982 grant to integrate and test several advances in manufactured home design and construction to provide a model for how the industry can cost effectively achieve the state's energy and fire safety goals. The advancements will be installed in new manufactured homes to be located in Northern California; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ROCKY MOUNTAIN 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 EPC-19-036 with Rocky Mountain Institute for a \$1,917,967 grant to develop, deploy, and assess the commercial feasibility of prefabricated exterior envelope panels for retrofitting multifamily buildings to increase energy efficiency and develop commercialization plans to reduce cost, time and complexity of panel design and installation. The prefabricated panel will be installed in a multifamily building located in a disadvantaged or low-income community in Northern California; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: INSTITUTE OF GAS TECHNOLOGY DBA GAS TECHNOLOGY 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 EPC-19-043 with the Institute of Gas Technology dba Gas Technology Institute for a \$2,000,000 grant to develop and test advanced energy-efficient and fire-resistive envelope systems using vacuum insulation for manufactured home. These advances will be installed in new manufactured homes located in Northern and Southern California, with one site being in a disadvantaged community; and

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

CERTIFICATION

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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

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Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: SMARTVILLE, 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-19-038 with Smartville, Inc. for a \$2,035,787 grant to characterize the degradation of repurposed electric vehicle battery modules and validate the ability of these resources to provide building resiliency and load shifting services. The goal is to allow multiple second-life battery form factors and module types, from multiple original equipment manufacturers, to be integrated and actively exchanged within a single system architecture; and

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

CERTIFICATION

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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
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STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: REPURPOSE 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-19-039 with RePurpose Energy, Inc. for a \$3,000,000 grant to install an integrated solar photovoltaic (PV) energy storage system that incorporates second-life batteries from Nissan Electric Vehicles (EVs) at a food cooperative (co-op) in Grass Valley. The goal of this project is to validate the batteries' ability to integrate solar PV and provide energy resilience to the food co-op. RePurpose Energy will also conduct a series of laboratory-based cycling tests to identify the degradation rate and effective useful life of used EV battery cells; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

RESOLUTION - RE: HELL'S KITCHEN GEOTHERMAL 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 California Environmental Quality Act Findings for Hell's Kitchen Geothermal LLC's Improved Silica Removal for Enhanced Geothermal Plant Performance project and approves grant agreement EPC-19-029 with Hell's Kitchen.

i. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) FINDINGS. Findings that, based on the lead agency Imperial County's Final Programmatic Environmental Impact Report (EIR), adopted Statement of Overriding Considerations, and the County's Resolution No. 2015-150 approving and adopting the EIR and Statement of Overriding Considerations, as based on the County's adopted Addendum to the EIR, Conditional Use Permit #16-0001, and the County's Resolution Nos. 2017-0037 and 2017-038, approving and adopting the Addendum and Conditional Use Permit, the work under the proposed agreement presents no new significant or substantially more severe environmental impacts beyond those already considered and mitigated.

ii. HELL'S KITCHEN GEOTHERMAL'S Improved Silica Removal for Enhanced Geothermal Plant Performance. The CEC approves Agreement EPC-19-029 with Hell's Kitchen Geothermal LLC for a \$2,999,599 grant to develop and demonstrate a fundamentally new and innovative method for managing silica in geothermal operations. The new technology, Geothermal Micropillar Enabled Particle Separator, systematically separates silica particles from the geothermal brine based on their size as they flow through a series of carefully positioned staggered/offset posts. This technology has the potential to lower both the capital and operational costs of brine management at geothermal plants; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: HELL'S KITCHEN GEOTHERMAL 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 encumbers \$1,460,735, approves Phase I of Agreement EPC-19-018 with Hell's Kitchen Geothermal LLC, and adopting staff's determination that Phase I is exempt from CEQA. Phase I will design a pilot-scale process for pre-treatment of geothermal brine to prepare the brine for lithium extraction. Activities include the pilot plan design and plan to procure materials and services to construct and operate the facility as well as obtaining approvals from the lead agency to comply with CEQA for Phase II. If approved at a future business meeting at which the lead agency's CEQA actions for Phase II are considered, Phase II involves constructing the facility, commissioning and operating the facility, and collecting data on project activities. The grant recipient is not authorized to expend funds or perform work on Phase II until and if the CEC approves it at a future business meeting; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: SPRECKELS SUGAR COMPANY, 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 FPI-19-009 with Spreckels Sugar Company, Inc. for a \$2,105,320 grant to build a microgrid powered by solar photovoltaic panels and an energy storage system to reduce GHG emissions by generating renewable electricity at the recipient's sugar manufacturing facility in Brawley; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

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Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: AEMETIS ADVANCED FUELS KEYES, 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 FPI-19-013 with Aemetis Advanced Fuels Keyes, Inc. for a \$8,000,000 grant to design, install, and operate an emerging microgrid system at the Recipient's biofuels and animal food production facility in Keyes. The microgrid system will produce and store renewable electricity, providing reliability while reducing operating costs and GHG emissions at the facility. This project is expected to benefit priority populations through criteria pollutant emission reductions and job creation; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CALIFORNIA CUSTOM PROCESSING, 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 FPI-19-016 with California Custom Processing, LLC for a \$3,865,631 grant to design, install, and operate a high-temperature solar thermal energy system at the recipient's organic almond processing facility in Madera. This system will convert solar energy into supplemental heat for thermal processes resulting in reduced natural gas consumption and GHG emissions. This project is expected to benefit priority populations through criteria pollutant emission reductions and job creation; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: PACIFIC ETHANOL STOCKTON 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 FPI-19-019 with Pacific Ethanol Stockton LLC for a \$6,000,000 grant to install an evaporator that uses waste steam recompression to reduce natural gas consumption and consequent GHG emissions. This project is expected to benefit priority populations through criteria pollutant emission reductions; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ANHEUSER-BUSCH, 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 FPI-19-020 with Anheuser-Busch, LLC for a \$212,629 grant to fund the installation of state-of-the-art steam traps at the recipient's breweries. The project will replace the existing inefficient steam traps with non-mechanical traps that will reduce steam loss, natural gas use, and GHG emissions. This project is expected to benefit priority populations through criteria pollutant emission reductions; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: J & J SNACK FOODS CORP. OF CALIFORNIA

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 FPI-19-021 with J & J Snack Foods Corp. of California for a \$2,000,000 grant to upgrade the existing built-up ammonia refrigeration system to spiral freezers, install heat recovery components, and install an energy efficient industrial fryer at the recipient's frozen food processing facility. These improvements will reduce GHG emissions through the reduction in energy and natural gas consumption. This project is expected to benefit priority populations through criteria pollutant emission reductions and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CALIFORNIA DAIRIES, 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 FPI-19-022 with California Dairies, Inc. for a \$2,067,581 grant to fund the deployment of heat recovery systems at two of the recipient's dairy processing facilities. The project will reduce GHG emissions by reducing fuel consumption on the dryers and boilers. This project is expected to benefit priority populations through criteria pollutant emission reductions; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: E. & J. GALLO WINERY.

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 FPI-19-023 with E. & J. Gallo Winery for a \$314,788 grant to replace old refrigeration compressors and update controls to reduce electricity consumption and consequent GHG emissions at the recipient's winery in Fresno; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: PACIFIC COAST PRODUCERS.

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 FPI-19-024 with Pacific Coast Producers for a \$1,388,173 grant to install an efficient refrigeration system and install ceramic insulation on the existing process rotary cookers at the recipient's food processing facilities in Oroville, Woodland, and Lodi; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: PEPSICO, 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 FPI-19-025 with PepsiCo, Inc. for a \$366,254 grant to install a condensing heat recovery system to reduce GHG emissions at the recipient's beverage production facility in Ventura. This project is expected to benefit priority populations through criteria pollutant emission reductions; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: SUN-MAID GROWERS OF CALIFORNIA.

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 FPI-19-026 with Sun-Maid Growers of California for a \$3,300,000 grant to design, install, and operate a microgrid system at the recipient's raisin production facility in Kingsburg. The microgrid system will produce and store renewable electricity, provide reliability, and reduce operating costs and GHG emissions at the facility. This project is expected to provide benefits to priority populations through job creation; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: BAKER COMMODITIES, 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 FPI-19-027 with Baker Commodities, Inc. for a \$1,125,150 grant to install an efficient boiler with selective catalytic reduction and a regenerative thermal oxidizer to reduce GHG emissions, energy consumption, and operating costs, at the recipient's Kerman animal food production facility. This project is expected to benefit priority populations through criteria pollutant emission reductions; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: VALLEY FINE FOODS COMPANY, 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 FPI-19-028 with Valley Fine Foods Company, Inc. for a \$1,733,443 grant to install a transcritical carbon-dioxide refrigeration system at the recipient's frozen food production facility in Yuba City. The new refrigeration system will eliminate the need for conventional, high global warming refrigerants and reduce GHG emissions, energy consumption, and operating costs; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: SUN-MAID GROWERS OF CALIFORNIA.

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 FPI-19-029 with Sun-Maid Growers of California for a \$336,276 grant to install an optimized steam and hot water system to reduce GHG emissions at the recipient's raisin production facility in Kingsburg. This project is expected to benefit priority populations through criteria pollutant emission reductions; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: E. & J. GALLO WINERY.

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 FPI-19-031 with E. & J. Gallo Winery for a \$3,440,771 grant to replace old refrigeration equipment with more efficient equipment, better controls, and ultra-low global warming potential refrigerants at the recipient's wineries in Livingston, Modesto, and San Miguel to reduce GHG emissions from electricity consumption and refrigerant leakage; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: BIMBO BAKERIES, 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 FPI-19-032 with Bimbo Bakeries, USA, Inc. for a \$350,000 grant to install advanced ovens with new controls that allow the ovens to burn natural gas only when necessary, reducing natural gas consumption and consequent GHG emissions. This project is expected to benefit priority populations through criteria pollutant emission reductions; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: EAGLE ROCK ANALYTICS.

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-19-006 with Eagle Rock Analytics for a \$1,000,704 grant to produce a data assimilation platform that supports adaptation planning. The platform will be designed to support continuously updated historical weather and climate data and to support efforts to provide quality-controlled, high resolution, hourly climate data to the natural gas investor owned utilities. Platform development will be informed by stakeholder engagement, and the data platform will pull in a mix of weather observations, remote sensing, and reanalysis data; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, ON BEHALF OF THE SAN DIEGO CAMPUS.

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

RESOLVED, that the CEC approves agreement PIR-19-007 with the Regents for a \$1,363,550 grant to fund development of a detailed spatial and temporal historical (1980-2019) climate record, determining sources of trends, and adopting staff's determination that this action is exempt from CEQA; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: INSTITUTE OF GAS TECHNOLOGY DBA
GAS TECHNOLOGY 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 PIR-19-015 with Institute of Gas Technology dba Gas Technology Institute for a \$1,821,631 grant to enhance and demonstrate a natural gas pipeline locating technology that improves the accuracy of locating pipelines using adapted and improved above-ground large standoff three-dimensional electromagnetic detection technology and an in-pipe gyroscopic mapping device; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: BAKHTAR RESEARCH AND ENGINEERING, 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-19-017 with Bakhtar Research and Engineering, LLC for a \$1,582,117 grant to develop and demonstrate a natural gas pipeline detector using forced resonance imaging technology for near real-time detection, locating, depth estimation, and material differentiation (plastic or metallic) of underground natural gas pipelines; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: INSTITUTE OF GAS TECHNOLOGY DBA
GAS TECHNOLOGY 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 PIR-19-018 with Institute of Gas Technology dba Gas Technology Institute for a \$1,738,436 grant to develop and demonstrate a software platform for mapping underground pipelines with better accuracy and improving pipeline assets management by integrating multiple data sources from several proven locating technologies, aggregating pipeline assets information into the geographic information systems, and visualizing underground natural gas pipelines in real-time; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: INSTITUTE OF GAS TECHNOLOGY DBA
GAS TECHNOLOGY 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 PIR-19-008 with Institute of Gas Technology dba Gas Technology Institute for a \$1,424,704 grant to design and demonstrate an integrated HVAC/water heating system to reduce energy consumption and GHG emissions and to adopt staff's determination that this action is exempt from CEQA. This technology will be demonstrated in a large medical center in a disadvantaged community; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ELECTRIC POWER RESEARCH INSTITUTE, INC. (EPRI)

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-19-012 with EPRI for a \$1,446,685 grant to demonstrate a high-efficiency dehumidification and energy recovery system that will reduce or eliminate energy consumption associated with reheating supply air, and increase chiller efficiency. The technology will be demonstrated in a healthcare facility; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,
BERKELEY 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-19-013 with the Regents for a \$1,446,850 grant to demonstrate and evaluate packages of low-cost software controls and other measures targeting space heating, hot water distribution and boiler operational efficiency in large commercial buildings. The measures will be demonstrated in large commercial buildings located in disadvantaged communities; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: SOUTHERN CALIFORNIA GAS COMPANY.

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-19-014 with Southern California Gas Company for a \$1,446,850 grant to demonstrate an emerging and replicable gas heat pump technology that can reduce natural gas consumption for hot water heating by at least 35 percent in large commercial buildings. This technology will be demonstrated in a large commercial building in Southern California; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: MAZZETTI, 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 PIR-19-016 with Mazzetti, Inc. for a \$1,000,000 grant to fund a comprehensive and interactive guidebook that focuses on existing and emerging energy efficiency equipment and systems and design improvements to reduce natural gas use, increase efficiency, and provide a plan for decarbonizing the healthcare industry; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on June 10, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite
Secretariat