

**DOCKETED**

<b>Docket Number:</b>	20-BUSMTG-02
<b>Project Title:</b>	Public Comment on California Energy Commission Business Meetings
<b>TN #:</b>	233507
<b>Document Title:</b>	June 10, 2020 Business Meeting Orders and Resolutions
<b>Description:</b>	N/A
<b>Filer:</b>	Cody Goldthrite
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	6/17/2020 9:59:29 AM
<b>Docketed Date:</b>	6/17/2020

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*

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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*

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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.

**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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: REDWOOD CITY ELEMENTARY SCHOOL DISTRICT

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

**RESOLVED**, the CEC approves Amendment 1 to ARV-19-065 with Redwood City Elementary School District to: (1) increase the number of all-electric school buses and supporting infrastructure from three to six; (2) increase the total award amount by \$1,005,567; (3) modify bus specifications; and (4) adopt staff's recommendation that the installation of the charging infrastructure 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*

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Cody Goldthrite  
Secretariat



STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: DOE-NATIONAL RENEWABLE ENERGY LABORATORY

**RESOLVED**, that the State Energy Resources Conservation and Development Commission (CEC) at its April 8, 2020 business meeting approved Amendment 4 to Agreement 600-15-001 with the U.S. Department of Energy's National Renewable Energy Laboratory; and

**RESOLVED**, that the agenda notice statement and resolution from the April 8, 2020 business meeting mistakenly failed to include the additional \$200,000 being added to the Agreement even though the \$200,000 was included in other backup material for the business meeting; and

**RESOLVED**, that the CEC made certain CEQA findings when it approved Amendment 4 to Agreement 600-15-001 at its April 8, 2020 business meeting, and the correction through this Resolution of the mistake of not including in certain documents the additional \$200,000 added to the Agreement does not change those CEQA findings and is not in of itself a project for purposes of CEQA; and

**RESOLVED**, that the CEC approves as part of Amendment 4 to Agreement 600-15-001 the addition of \$200,000 in funding, and otherwise nothing else in the resolution from the April 8, 2020 business meeting is changed; 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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Cody Goldthrite  
Secretariat

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

**THEREFORE BE IT FURTHER RESOLVED**, CEC applauds the City of Richmond for seeking to achieve additional energy demand reductions, energy savings, and other benefits exceeding those of the 2019 Energy Code; and

**THEREFORE BE IT FURTHER RESOLVED**, that on June 10, 2020, CEC approves the City of Richmond's application to enforce its locally adopted energy standards; and

**THEREFORE BE IT FURTHER RESOLVED**, that CEC directs the Executive Director to take all actions necessary to implement this Resolution.

**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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Cody Goldthrite  
Secretariat

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

**THEREFORE BE IT FURTHER RESOLVED**, CEC applauds the City of Hayward for seeking to achieve additional energy demand reductions, energy savings, and other benefits exceeding those of the 2019 Energy Code; and

**THEREFORE BE IT FURTHER RESOLVED**, that on June 10, 2020, CEC approves the City of Hayward's application to enforce its locally adopted energy standards; and

**THEREFORE BE IT FURTHER RESOLVED**, that CEC directs the Executive Director to take all actions necessary to implement this Resolution.

**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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: EVERGREEN ECONOMICS, INC.

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

**RESOLVED**, that the CEC approves Agreement 400-19-002 with Evergreen Economics, Inc. for a \$150,000 contract to provide Standardized Regulatory Impact Assessments for Efficiency Division major regulations; 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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: GUIDEHOUSE, 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 800-20-001 with Guidehouse, Inc. for a \$1,500,000 contract to provide energy efficiency technical support; 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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CITY OF TRINIDAD.

**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 017-19-ECI with City of Trinidad for a \$49,280 loan at one percent interest for a 14kWdc rooftop PV system, The project is estimated to save the city 18,956 kWh of electricity, resulting in annual energy cost savings of \$4,360; 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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Cody Goldthrite  
Secretariat



STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: AMBROSE RECREATION AND PARK DISTRICT

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

**RESOLVED**, that the CEC approves Agreement 018-19-ECI with Ambrose Recreation and Park District for a \$517,550 one percent interest loan for the installation of one 50.8 kWdc solar PV system, energy efficient lighting, HVAC unit replacement, programmable thermostats, and pool pump smart controls. The project is estimated to save 161,871 kWh of electricity and 506 therms of natural gas, resulting in annual energy cost savings of \$36,083; 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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: SNELLING COMMUNITY SERVICES DISTRICT

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

**RESOLVED**, that the CEC approves Agreement 019-19-ECI with the Snelling Community Services District for a \$123,195 loan at one percent interest. The proposed project includes the installation of a 34.5 kWdc ground-mounted PV system, and replacement of two pad-mounted sewage lift station centrifugal pumps with high efficiency submersible pumps and control panel. The project is estimated to save 57,192 kWh of electricity, resulting in annual energy cost savings of \$13,209; 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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: COLUSA COUNTY

**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 020-19-ECI with Colusa County for a \$1,622,640 one percent interest loan for four solar PV systems totaling 281 kWdc, energy efficient lighting, HVAC/boiler replacements, and a cool roof. The project is estimated to save 623,296 kWh of electricity and 10,267 therms of natural gas annually, resulting in annual energy cost savings of \$160,037; 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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: AEMETIS BIOGAS 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 LCF-19-001 with Aemetis Biogas LLC for a \$4,183,000 grant to fund construction and operation of a biogas cleanup plant and renewable natural gas production facility. When operational, the facility will upgrade biogas from nearby anaerobic dairy digesters and convert it to renewable natural gas for use as transportation fuel; 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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ASSOCIATION FOR ENERGY AFFORDABILITY, INC.

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

**RESOLVED**, that the CEC approves Agreement EPC-19-030 with Association for Energy Affordability, Inc. for a \$2,800,193 grant to install and demonstrate the performance of low-global warming potential central heat pump water heating systems in multifamily buildings located in disadvantaged or low-income communities. The project will develop design configurations for easier adoption; provide best practices to ensure continued performance; and educate the design community on the potential of this emerging technology; 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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ASSOCIATION FOR ENERGY AFFORDABILITY, INC.

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

**RESOLVED**, that the CEC approves Agreement EPC-19-032 for a \$1,499,926 grant with the Association for Energy Affordability, Inc. to develop, and test a pre-fabricated, scalable central mechanical system module to provide space conditioning and hot water to multifamily buildings. The systems will be tested in buildings located in disadvantaged or low-income 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*

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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ANTORA 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-19-031 with Antora Energy, Inc. for a \$1,999,787 grant to develop and field-test a breakthrough long-duration energy storage system based on thermophotovoltaic technology. The system will be pilot tested at an existing cogeneration power plant in Fresno County; 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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: E-ZN 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-19-034 with e-Zn Inc. for a \$1,286,777 grant to design and build an innovative energy storage system that stores electrical energy in physically free zinc metal allowing for low-cost, long-duration energy storage. The system will be tested and validated at a greenhouse facility to demonstrate commercial viability; 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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Cody Goldthrite  
Secretariat



STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: DASH2ENERGY 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-19-037 with Dash2energy LLC for a \$1,275,475 grant to establish a renewable hydrogen energy storage system. The project focuses on creating an electricity in/electricity out system by integrating electrolysis, high-pressure hydrogen storage, fuel cell electrical regeneration, and microgrid control systems into a single system. The system will be integrated with an existing 1 MW wind turbine to provide electricity, and will store the energy as hydrogen to be converted to back to electricity to provide cost savings and long duration resiliency for a municipal water treatment plant; 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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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: SALIENT 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-19-040 with Salient Energy Inc. for a \$1,583,125 grant to test and validate a zinc-ion battery storage to advance the technology from the pre-commercial stage to the technology demonstration stage. The integrated pilot-scale system will then be validated in a simulated residential load environment with a third-party test laboratory; 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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Cody Goldthrite  
Secretariat

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*

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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*

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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**

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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

*Cody Goldthrite*

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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*

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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*

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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*

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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**

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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Cody Goldthrite  
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**

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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Cody Goldthrite  
Secretariat

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*

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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*

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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*

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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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Cody Goldthrite  
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**

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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**

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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

*Cody Goldthrite*

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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**

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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

*Cody Goldthrite*

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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**

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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

*Cody Goldthrite*

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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**

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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

*Cody Goldthrite*

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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*

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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*

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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*

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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*

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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*

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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*

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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*

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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*

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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*

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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*

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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*

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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*

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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-19-009 with EPRI for a \$998,355 grant to perform field measurements of GHG and other air pollutant emissions from various facilities, both before and after implementation of renewable natural gas production processes; 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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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 RIVERSIDE 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-19-011 with the Regents for a \$999,296 grant to assess the impacts of biogas production from dairy digesters on emissions of methane and other air pollutants; 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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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*

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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*

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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*

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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*

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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*

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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*

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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*

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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*

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Cody Goldthrite  
Secretariat