

DOCKETED

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STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ALLIANCE TO SAVE ENERGY MEMBERSHIP

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 200-19-019 with Alliance to Save Energy for a \$25,000 contract to renew the Energy Commission's (CEC) membership for one year. Membership allows CEC staff to meet with key policy and decision makers and officials from over 100 organizations to advance energy efficiency through unique and effective policy, market transformation, education, communications, and research and technology initiatives. These meetings provide a forum for exchanging information, ideas and resources; 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 January 22, 2020.

AYE: Hochschild, Scott, Douglas, Monahan

NAY: None

ABSENT: McAllister

ABSTAIN: None



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 ENVIRONMENTAL BALANCING BUREAU'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, will go into effect on January 1, 2020; and

WHEREAS, the National Environmental Balancing Bureau (NEBB) 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 NEBB 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, attached hereto as "Exhibit A," describing the review and validation of the NEBB 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 NEBB 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 NEBB's proposed training curricula adjustments and application amendments as described in NEBB'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 January 22, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan
NAY:
ABSENT:
ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CAMPTONVILLE COMMUNITY PARTNERSHIP

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 a change in grant recipients for Agreement EPC-17-042 from ICF Incorporated, L.L.C., which withdrew from the project, to the Camptonville Community Partnership, and the removal of major subcontractor, the Center for Sustainable Energy, which also withdrew from the project. Otherwise, the project, the Camptonville Biomass-to-Energy Project (aka Forest Biomass Business Center Bioenergy Facility - Gellerman Site), has not changed from when the CEC approved it on September 11, 2019. This \$4,999,830 grant will fund the design and construction of an innovative 5 MW (3 MW BioMAT export plus 2 MW export through other market channels) biomass power plant in Camptonville that will incorporate advanced air pollutant emission controls and a low water consumption condenser. This project will help reduce the population of dead and diseased trees by consuming up to 50,000 bone dry tons of forest biomass per year; 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 January 22, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CALIFORNIA CLEAN ENERGY
FUND DBA CALCEF VENTURES

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

RESOLVED, that the CEC approves Amendment 1 to grant EPC-18-002, with California Clean Energy Fund dba CalCEF Ventures regarding a \$10,999,701 grant to fund the development of the California Test Bed Initiative (CalTestBed). The proposed amendment responds to clarification of CalCEF's planned CalTestBed selection processes for entrepreneurs to receive technology testing services. The planned processes do not require the extent of conflict-of-interest requirements set forth in Exhibit E of the original grant agreement. The revised Exhibit E also reflects a new applicable law that takes effect January 1, 2020. Minor edits to the Scope of Work and the Terms and Conditions in Exhibit C were also needed. There is no impact on the budget; 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:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CALIFORNIA CLEAN ENERGY FUND
DBA CALCEF VENTURES

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 changes of recipients of three California Sustainable Energy Entrepreneur Development (CalSEED) small grant awards issued under Agreement 300-15-007. All aspects of each project including the project team, technology under development, Scope of Work, and Terms and Conditions will remain the same.

- i. Transfer of \$150,000 award for project titled "Enhancing Renewable Fuel Production with CO2 Microbubbles" from University of California (UC), Riverside to OceanForesters.
- ii. Transfer of \$150,000 award for project titled "Graphite-coated High Energy Density Powder" from UC, Riverside to SiLi-ion, Inc.
- iii. Transfer of \$150,000 award for project titled "Low-Cost Portable Smart Wi-Fi Programmable Learning Bio-Mimicking Solar Shrub" from California State University, Fullerton to Aura Technology LLC; 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:

ABSENT:

ABSTAIN:


Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ADVANCED POWER AND ENERGY PROGRAM (APEP)

RESOLVED, that the State Energy Resources Conservation and Development Commission (Energy Commission) finds that the following categorical exemptions exempt the purchase order under CEQA: (1) 14 CCR 15322, Educational or Training Programs Involving No Physical Changes, because the event consists of educational presentations and tutorials which involve no physical alteration in the area affected; and (2) 14 CCR 15323, Normal Operations of Facilities for Public Gatherings, because membership meetings consist of the normal operation of existing facilities designed for public gatherings and meetings and there is a past history of the facilities being used for the same or similar events.

RESOLVED, that the Energy Commission approves a \$4,999 purchase order with the Advanced Power and Energy Program at the University of California, Irvine to co-sponsor their annual International Colloquium on Environmentally Preferred Advanced Power Generation (ICEPAG) 2020 Microgrid Global Summit; and approving use of the California Energy Commission logo in co-sponsorship advertisements. Energy Commission staff will have the opportunity to highlight the success and lessons learned from past and current EPIC investments in the advancement of microgrids, and to receive valuable input in the areas of energy technology systems integration and renewable integration from leading industry experts; and

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

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on January 22, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

***RULEMAKING TO UPDATE AND
AMEND THE APPLIANCE EFFICIENCY
REGULATIONS***

Docket No. 20-AAER-01

**ORDER INSTITUTING RULEMAKING
PROCEEDING**

I. PURPOSE OF THE PROCEEDING

The California Energy Commission ("Commission") hereby institutes a rulemaking proceeding, the purpose of which is to consider amendments to the Commission's Appliance Efficiency Regulations (Title 20, Cal. Code Regs., §§ 1601 - 1609). This action is taken under the authority of the California Public Resources Code Sections 25210, 25213, 25218(e), 25402(c), and 25402.5, and Sections 1220 – 1225 of Title 20 of the California Code of Regulations.

II. SCOPE OF THE PROCEEDING

It is anticipated that this rulemaking will cover the following categories of appliances and regulatory matters:

- Self-contained lighting controls (repeal of requirements);
- Updates to data submittal requirements in section 1601 et seq. to ensure consistency with federal law;
- Clarifying and administrative changes to improve the readability and functionality of the Appliance Efficiency Regulations; and
- Additional priority matters as determined by the Lead Commissioner.

III. PUBLIC PARTICIPATION

The Commission encourages public participation in this proceeding. Any person present at a hearing or workshop shall be afforded reasonable opportunity to make comments. Petitions to intervene are not necessary.

Information will also be posted on the Commission's webpage:
<https://www.energy.ca.gov/rules-and-regulations/appliance-efficiency-regulations-title-20>. Anyone who would like to participate in this proceeding, should [please register](#)

with the Commission's Appliances List Server at: https://ww2.energy.ca.gov/listservers/index_cms.html (keyword: "Appliance Efficiency Standards"). All who are registered will receive automated email messages with information regarding hearings, workshops, and updated documents.

To foster public participation in these proceedings the Executive Director, in conjunction with the Public Advisor, shall ensure that information regarding this order and notices of hearings and workshops are distributed to all interested persons via the Appliances list server and posted on the Commission's website. The Executive Director shall also ensure sufficient advance public notice prior to consideration or adoption of final regulations by the Commission.

For additional information, please contact the Commission's Public Advisor at (800) 822-6228, or via email at publicadvisor@energy.ca.gov.

IT IS SO ORDERED.

CERTIFICATION


The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the CEC held on January 22, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

IN THE MATTER OF:

MISSION COLLEGE DATA CENTER

Docket No. 19-SPPE-05

ORDER ESTABLISHING COMMITTEE

On November 25, 2019, Oppidan Investment Company, filed an application for a small power plant exemption for the proposed 78.1 megawatt (MW) Mission College Backup Generating Facility (MCBGF), part of the Mission College Data Center. The MCBGF would be located in the City of Santa Clara and consist of forty-three 2.5-MW and two 600 kW diesel-fired backup generators that would be used exclusively to provide backup generation to support the Mission College Data Center.

Pursuant to Public Resources Code section 25211 and California Code of Regulations, title 20, sections 1204 and 1205, the Energy Commission hereby establishes a Committee to preside over the small power plant exemption proceedings and any other proceedings arising from the application.

The committee shall have the authority and duties necessary to conduct this proceeding as set forth in Energy Commission regulations, including the authority of a presiding member to manage the proceeding in accordance with California Code of Regulations, title 20, section 1203.

Unless otherwise ordered by the Commission, this Committee will dissolve 35 days after final action in this proceeding.

The Committee members are as follows:

Presiding: Douglas

Associate: Scott

IT IS SO ORDERED.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the CEC held on January 22, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

**LAKE VIEW GEOTHERMAL POWER
PLANT**

Docket No. 79-AFC-01C

**ORDER APPROVING PETITION FOR
MODIFICATION**

On October 1, 2019, Geysers Power Company, LLC (facility owner) submitted a Revised Petition for Modification (petition) to the California Energy Commission (CEC) for the Lake View Geothermal Power Plant (also referred to as Unit 17). As outlined in the petition, the facility owner proposes to install a permanent standby diesel engine-powered pump for the cooling tower wet-down system.

STAFF RECOMMENDATION

CEC staff reviewed the petition and concluded that it meets all of the filing criteria of Title 20, California Code of Regulations, section 1769, concerning post-certification project modifications. Furthermore, staff concluded that, with the adoption of amended air quality conditions of certification, the proposed changes would not cause significant impacts on the environment or an environmental justice population, and would not cause the facility to fail to comply with any applicable laws, ordinances, regulations, or standards (LORS). Staff filed its analysis recommending CEC approval of the petition and the amended air quality conditions of certification to the Lake View Geothermal docket on December 23, 2019.

ENERGY COMMISSION FINDINGS

Based on the record, including staff's analysis, the CEC finds that:

- The petition meets all of the filing criteria of Title 20, California Code of Regulations, section 1769(a), concerning post-certification project modifications;
- With the adoption of the revised air quality conditions of certification in the staff analysis, the project change would not cause the project to fail to comply with any applicable laws, ordinances, regulations, and standards;
- With the adoption of the revised air quality conditions of certification in the staff analysis, there would be no new or additional unmitigated significant

environmental impacts associated with the project change or any significant impacts to an environmental justice population; and

- The revised air quality conditions of certification reflect changes made by the Northern Sonoma County Air Pollution Control District and would reconcile the CEC's license with the air district's permit.

CONCLUSION AND ORDER

The CEC hereby adopts staff's recommendations and approves the Revised Petition for Modification and amended air quality conditions of certification. The amended air quality conditions of certification shall replace the conditions currently in the air quality section of the document titled *PG&E Geysers Unit 17 Compliance Plan*, beginning on page 8, in the manner set forth by the staff analysis.

IT IS SO ORDERED.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the CEC held on January 22, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

***THE 2019 INTEGRATED ENERGY
POLICY REPORT***

Docket No. 19-IEPR-03

**RESOLUTION OF THE ENERGY
COMMISSION ADOPTION THE
CALIFORNIA ENERGY DEMAND
FORECAST, 2020-2030**

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

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

WHEREAS, the Commission held workshops on March 4, 2019, August 15, 2019 and December 2, 2019 and Demand Analysis Working Group Meetings were held on June 14, 2019, June 19, 2019, August 1, 2019, September 18, 2019, October 18, 2019, November 14, 2019 and November 21, 2019 to discuss the California Energy Demand 2020-2030 forecast (CED 2019); and

WHEREAS, on January 17, 2020, staff docketed the Notice of Availability for the CED 2019, which identifies the documents that make up the forecast, including forecasts for electricity and natural gas consumption, retail electricity sales, and peak and hourly demand for each of the major planning areas and for the state as a whole; and

WHEREAS, the CED 2019 provides forecasts which reflect expected impacts from recent economic and demographic projections, projections of electric vehicle adoption, and projections of behind-the-meter photovoltaic and storage system adoption and which are consistent with the latest historical data available for consumption, peak demand, temperatures, electricity rates, and energy efficiency program activity; and

WHEREAS, CED 2019 includes three baseline scenarios designed to capture a reasonable range of demand outcomes during the next 10 years; and

WHEREAS, CED 2019 also includes six additional achievable energy efficiency (AEE) savings scenarios developed. Paired with baseline scenarios, these form managed demand forecasts for planning purposes; and

WHEREAS, CED 2019 will serve as a key input into a number of planning and procurement efforts, including transmission and distribution system planning, integrated resource planning, resource adequacy, and other studies and proceedings; and

WHEREAS, consistent with an agreement among leadership at the Energy Commission, the Public Utilities Commission, and the California Independent System Operator, specific variants of the adopted demand forecast to be used in individual applications are described as the “single forecast set agreement” in the text of Chapter 7 of the 2019 IEPR; and

WHEREAS, the Commission has considered all comments received on the CED 2019; and

THEREFORE BE IT RESOLVED, the California Energy Commission hereby adopts the CED 2019 along with any changes identified at its January 22, 2020 Business Meeting, directs Commission staff to make the forecast available to the public and the Legislature and to incorporate the results of the CED 2019 into the 2019 Integrated Energy Policy 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 January 22, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION APPROVING THE DETERMINATION THAT THE
SOLAR PHOTOVOLTAIC REQUIREMENT IN THE 2019 BUILDING
ENERGY EFFICIENCY STANDARDS §150.1(c)14 SHALL NOT APPLY
TO TRINITY PUBLIC UTILITY DISTRICT

RESOLUTION: California Energy Commission (CEC) approval of the determination that the solar photovoltaic (PV) requirement in the *2019 Building Energy Efficiency Standards* (Energy Code) §150.1(c)14 shall not apply to the Trinity Public Utility District (Trinity PUD) service territory, pursuant to California Code of Regulations, Title 24, Part 6, and associated administrative regulations in Part 1, Chapter 10.

WHEREAS, California Code of Regulations, Title 24, Part 1, Chapter 10, §10-109(k) and §10-110, establishes a process for the CEC to determine that the solar PV requirement in §150.1(c)14 shall not apply to particular buildings; and

WHEREAS, on March 14, 2019, the Trinity PUD conducted a public hearing and approved the decision to seek a solar PV system requirement determination; and

WHEREAS, the Trinity PUD submitted an application to the CEC for the solar PV system requirement determination pursuant to California Code of Regulations, Title 24, §10-09(k) on March 15, 2019; and

WHEREAS, the Trinity PUD, in its application to the CEC, stated that its low energy rates cause the solar PV system requirement to not be cost-effective for its service area; and

WHEREAS, CEC staff has analyzed whether Trinity PUD public agency rules causes the CEC's cost-effectiveness conclusions to not hold, and determined that the solar PV requirement is indeed not cost-effective using Trinity PUD public agency rules, pursuant to Public Resources Code 25402(b)(3);

THEREFORE BE IT RESOLVED, the CEC finds that the Trinity PUD application meets §10-09(k) requirements, and determines that the solar PV requirements in the 2019 Energy Code, §150.1(c)14, shall not apply to newly constructed low-rise residential buildings within Trinity PUD service territory; and

THEREFORE BE IT FURTHER RESOLVED, that on January 22, 2020, the CEC grants the approval of the application from Trinity PUD; and

THEREFORE BE IT FURTHER RESOLVED, that the CEC directs the executive director to take all actions necessary to implement this Resolution.

CERTIFICATION

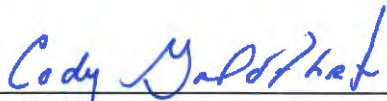
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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

**RESOLUTION APPROVING CITY OF DAVIS'S LOCALLY ADOPTED BUILDING
ENERGY EFFICIENCY STANDARDS, ORDINANCE NO. 2565.**

RESOLUTION: California Energy Commission (CEC) approval of The City of Davis's locally adopted building energy efficiency standards, Ordinance No. 2565 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 Davis adopted Ordinance No. 2565 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 Davis submitted an application to the CEC for Ordinance No. 2565 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 October 23, 2019 and

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

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

THEREFORE BE IT FURTHER RESOLVED, the CEC applauds The City of Davis 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 January 22, 2020, the CEC approves The City of Davis's application to enforce its locally adopted energy standards; and

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

CERTIFICATION

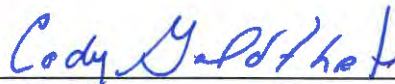
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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CITY OF SAN LEANDRO

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 008-19-ECI with the City of San Leandro for a \$1,284,140 loan at one percent interest to install various energy efficiency measures at its 14 facilities and adopting staff's determination that this action is exempt from CEQA. Upon completion, the project will reduce about 550,871 kWh of grid electricity consumption annually, saving the City about \$112,402 in utility costs. Based on the loan amount, the simple payback is 11.4 years; 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:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: RIM OF THE WORLD 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 009-19-ECI with Rim of the World Recreation and Park District for a \$156,783 loan at one percent interest and adopting staff's determination that this action is exempt from CEQA. The proposed project includes retrofitting interior and exterior lighting to light emitting diodes (LED), and installing rooftop-mounted solar PV systems at three locations totaling 24.4 kWdc. The project is estimated to save the district 58,805 kWh of electricity, resulting in annual energy cost savings of \$9,615. The simple payback on the loan amount is approximately 16.3 years; 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:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: DIGITAL 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 400-19-001 with Digital Energy, Inc. for a \$2,100,000 contract to assist and support the Bright Schools and Energy Partnership Programs. These programs promote implementation of energy efficiency and renewable generation measures in existing facilities by providing technical assistance services such as energy audits to public agencies; 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:

ABSENT:

ABSTAIN:



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: RENEWABLE ENERGY FOR AGRICULTURE PROGRAM –
FARMERS' FRESH MUSHROOMS CALIFORNIA, 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 REA-19-004 with Farmers' Fresh Mushrooms California, Inc., for a \$300,000 grant to install a 125 kW solar PV system to serve a mushroom farm in Colusa County, 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 January 22, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY:

ABSENT:

ABSTAIN:



Cody Goldfrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CALIFORNIA CLEAN ENERGY FUND
DBA CALCEF VENTURES

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

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

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

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

WHEREAS, CalCEF, in compliance with its duties under Agreement Number 300-15-007, has completed a Prototype Award Business Plan Competition, a competitive solicitation open to eligible CalSEED Concept Award winners, and has requested a total of \$2,700,000 for the following six small grant projects:

1. \$450,000 is being requested for the “Ducted Phase Change Material Cooling” project with Stasis Group, Inc, a project to reduce energy consumption and peak demand for cooling in commercial buildings by integrating a ducted Thermal Energy Storage System into HVAC systems, using Phase Change Materials in an active air stream with instrumentation and controls.
2. \$450,000 is being requested for the “LED Lighting Film for Low-Cost Retrofits of Fluorescent Lights” project with Empow Lighting, LLC, a project to demonstrate a full-scale prototype for a drop-in LED retrofit solution for linear

fluorescent fixtures that will enhance their energy efficiency, light quality, and aesthetics without requiring re-wiring or training.

3. \$450,000 is being requested for the “Maxout Polyverter” project with Maxout Renewables, Inc., a project to continue development on an all-in-one solar inverter that includes patented technologies that create an ultra-reliable inverter that combines per-panel optimization, battery storage, and emergency back-up capability at one third the cost of current competitors.
4. \$450,000 is being requested for the “In-PRV (Pressure Recovery Valve) Renewable Energy Generation System” project with InPipe Energy, Inc., a project to demonstrate a first-of-its-kind digitally enabled water pipe control valve that converts running water to electricity in pressurized water pipelines to accurately control pressure and produce a consistent, predictable and reliable source of renewable energy by leveraging existing water pipeline infrastructure without affecting operations.
5. \$450,000 is being requested for the “Mobile Envelope Dam Electrification System (MEDES)” project with GenH, Inc., a project to develop a first-of-its-kind, rapidly deployable, fully modular system that electrifies non-powered dams and canal heads without construction or investment in any fixed infrastructure.
6. \$450,000 is being requested for the “SkyCool Panels” project with SkyCool Systems, Inc., a project to reduce energy and water use in data center cooling systems with a patented multilayer optical film panel that radiates heat to the sky without water consumption only using the electricity required to run a pump; and

WHEREAS, CEC staff has reviewed the six proposed projects and determined that categorical exemptions apply to each project, as described in the “Project Summaries and California Environmental Quality Act (“CEQA”) Compliance Analysis For Proposed Small Grant Awards Under the California Sustainable Energy Entrepreneur Development Initiative, Agreement No. 300-15-007” Memorandum (“Memorandum”) dated January 13, 2020, a document that is included in the backup materials to this Business Meeting item.

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

FURTHER BE IT RESOLVED, that the CEC approves the six proposed projects for a total of \$2,700,000; and

FURTHER BE IT RESOLVED, that the CEC directs CalCEF to execute grant agreements with the approved awardees pursuant to Agreement Number 300-15-007; 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 January 22, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

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