

DOCKETED

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STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

**RESOLUTION - RE: EMERGING TECHNOLOGIES COORDINATING COUNCIL 2019
2019 ET SUMMIT**

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 the event consists of the normal operation of existing facilities for public gatherings at the conference center for which the facilities were designed and there is a past history of the facilities being used for the same or similar events.

RESOLVED, that the Energy Commission approves a \$9,999 purchase order with Yinsight, Inc., to co-sponsor the 2019 ET Summit. As a member of the Emerging Technologies Coordinating Council, the CEC supports the summit, which provides an opportunity to highlight the CEC's research and development activities, thus facilitating their commercialization and marketability; and

RESOLVED, that the Energy Commission approves the use of the California Energy Commission logo in co-sponsorship advertisements of the aforementioned 2019 ET Summit, taking place on October 21-22, 2019 in Sacramento;

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 California Energy Commission held on September 11, 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: NATIONAL ASSOCIATION OF STATE
ENERGY OFFICIALS (NASEO)

RESOLVED, that the State Energy Resources Conservation and Development Commission (Energy Commission) finds that the following categorical exemption exempts this transaction under CEQA: 14 California Code of Regulations section 15306, Information Collection, because the funded effort will result in a research report on energy employment in California, and not in any decision that will result in any disturbance, let alone a serious or major disturbance, to an environmental resource; and

RESOLVED, that the Energy Commission approves up to \$40,000 to be provided to the National Association of State Energy Officials (NASEO), to produce a California Energy and Employment Report. NASEO and Energy Futures Initiative will produce a comprehensive assessment of energy employment in California, providing insight on the economic effects of our policies and identifying specific opportunities for continued energy sector employment growth; 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 California Energy Commission held on September 11, 2019.

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:

SEQUOIA BACKUP GENERATING FACILITY

Docket No. 19-SPPE-03

**ORDER ESTABLISHING
COMMITTEE**

On August 14, 2019, C1-Santa Clara, LLC, filed an application for a small power plant exemption for the proposed 96.5 megawatt (MW) Sequoia Backup Generating Facility (SBGF), part of the Sequoia Data Center. The SBGF would be located in the City of Santa Clara and consist of fifty-four 2.25-MW diesel fired backup generators that would be used exclusively to provide backup generation to support the Sequoia 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: Monahan

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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

IN THE MATTER OF:

Docket No. 18-ALT-01

**2019-2020 INVESTMENT PLAN
UPDATE FOR THE ALTERNATIVE AND
RENEWABLE FUEL AND VEHICLE
TECHNOLOGY PROGRAM**

2019-2020 INVESTMENT PLAN UPDATE

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

WHEREAS, The Energy Commission must prepare and submit an annual investment plan update to the Legislature “(Health and Safety Code §44272.7(b)); and

WHEREAS, Assembly Bill 8 (Perea, Chapter 401, Statutes of 2013) extended the collection of fees supporting the ARFVTP through January 1, 2024; and

WHEREAS, the development of the *2019-2020 Investment Plan Update for the Clean Transportation Program (2019-2020 Investment Plan Update)* has benefitted from three Advisory Committee meetings, a meeting with the Disadvantaged Community Advisory Group, and public workshops, as well as 85 comments submitted to public docket; and

WHEREAS, after considering all materials and comments received, Commissioner Patty Monahan, Lead Commissioner for Transportation, released the latest draft of the *2019-2020 Investment Plan Update* on August 28, 2019. The *2019-2020 Investment Plan Update* includes proposed funding allocations for a portfolio of fuels and technologies designed to advance the goals of the Clean Transportation Program; and

WHEREAS, the California Energy Commission staff will develop solicitations, grants, and other types of agreements in the ensuing fiscal years to implement these funding allocations; and

WHEREAS, the California Energy Commission has considered the application of the California Environmental Quality Act (CEQA) to the adoption of the *2019-2020 Investment Plan Update*, and concludes that the *2019-2020 Investment Plan Update* is not a “project” for purposes under CEQA because it fits within activities excluded from the definition of “projects” under CEQA, including the “creation of government funding mechanisms or other government fiscal activities which do not involve any commitment to a specific project which may result in a potentially significant physical impact on the environment” (14 California Code of Regulations Section 15378(b)(4)). The *2019-2020 Investment Plan Update* proposes funding for categories of activities, but decisions to fund specific projects will be made in the future through competitive solicitations or other selection mechanisms.

THEREFORE BE IT RESOLVED, the California Energy Commission hereby finds the *2019-2020 Investment Plan Update* not to be a project under CEQA, adopts the *2019-2020 Investment Plan Update* with any errata approved at the September 11, 2019 Business Meeting, directs Commission staff to prepare the *2019-2020 Investment Plan Update* incorporating any non-substantive changes such as typographical corrections, to forward the *2019-2020 Investment Plan Update* to the appropriate committees of the Legislature for review pursuant to Health and Safety Code section 44272.7(b), and to make the *2019-2020 Investment Plan Update* available to the public.

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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: FREEWIRE TECHNOLOGIES, INC.

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

RESOLVED, that the Energy Commission approves Agreement ARV-19-072 with FreeWire Technologies, Inc. for a \$1,986,000 grant to design, purchase equipment, and build in-state manufacturing for innovative electric vehicle chargers that integrate energy storage, and adopting staff's determination that this action is exempt from CEQA. This manufacturing project will increase the production capacity of FreeWire Technologies products in California; 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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

2019 Building Energy Efficiency Standards,
California Code of Regulations, Title 24,
Parts 1 and 6

Docket No. 19-BSTD-01

RESOLUTION OF THE ENERGY COMMISSION
APPROVING 2019 RESIDENTIAL COMPLIANCE SOFTWARE
ENERGYPRO VERSION 8.0

WHEREAS, the Warren-Alquist State Energy Resources Conservation and Development Act,¹ requires the California Energy Commission to, among other things, establish a process for certifying calculation methods for demonstrating compliance with its building energy efficiency standards; and

WHEREAS, as allowed by the 2019 Building Energy Efficiency Standards (Standards),² sections 10-109 and 10-110, an application was submitted to approve EnergyPro 8.0 as an alternative calculation method; and

WHEREAS, as described in the EnergyPro Summary of Residential Alternative Calculation Method (ACM) Tests presented to the Energy Commission along with this proposed resolution, staff of the Energy Commission reviewed and tested EnergyPro 8.0 to ensure it meets the requirements, specifications, and criteria for building energy models set forth in the 2019 ACM Approval Manual, CEC-400-2018-023-CMF (December 2018); and

THEREFORE, the Energy Commission approves EnergyPro 8.0, pursuant to Standards section 10-109, for estimating energy consumed by residential buildings as specified in Public Resources Code section 25402.1, subdivision (a), and for demonstrating compliance with the performance-based residential provisions of the

¹ Public Resources Code section 25402.1, subd. (b).

² California Code of Regulations, Title 24, Part 1, Chapter 10.

2019 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Parts 1 and 6; and

THEREFORE, the Energy Commission directs the Executive Director to take, on behalf of the Energy Commission, all actions reasonably necessary to implement this resolution, as follows:

- To post information on the Energy Commission's public website as to how to obtain EnergyPro 8.0;
- To ensure that EnergyPro 8.0, a Residential Alternative Calculation Method (ACM), is maintained and revised to accurately estimate the energy use of residential buildings,
- To review and approve updates to vender software, consistent with Section 1 of the 2019 ACM Approval Manual.

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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister
NAY: None
ABSENT: Monahan
ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

RESOLUTION - RE: CITY OF LYNWOOD

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

RESOLVED, that the Energy Commission approves Agreement 004-19-ECA for a loan of \$1,734,071 at one percent interest to the City of Lynwood located in Los Angeles County and adopting staff's determination that this action is exempt from CEQA. The entire cost of the project is expected to be \$2,187,297 with the City of Lynwood supplementing the loan by paying \$453,226 towards energy efficiency projects throughout Lynwood, which include exterior lighting, street lighting, pool pumps, transformers, and HVAC upgrades. Based on the loan amount and estimated annual energy cost savings, the simple payback is 12.4 years. The project benefits include energy savings of 1,314,045 kWh of electricity and 509 therms of natural gas annually, saving the district an estimated \$140,100 in utility costs annually; 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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, ON
BEHALF OF THE DAVIS CAMPUS

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

RESOLVED, that the Energy Commission approves Agreement 150-19-002 with The Regents of the University of California, on behalf of the Davis Campus for a \$200,000 contract to purchase and test lamps and other regulated appliances. Title 20, Section 1608(d) of the Appliance Efficiency Regulations requires the CEC to periodically test appliances sold in California to determine compliance with reported performance, marking, and design standards. Testing results will be used to determine compliance with Appliance Efficiency Regulations, support enforcement actions, and for general data collection purposes; 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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ICF Incorporated, L.L.C. (d.b.a. ICF Consulting, L.L.C.)

WHEREAS, the County of Yuba's Community Development and Services Agency within the Planning Department is the Lead Agency for purposes of the California Environmental Quality Act ("CEQA") for the proposed Forest Biomass Business Center Bioenergy Facility -- Gellerman Site, also known as the Camptonville Biomass-to-Energy Project, a proposed five megawatt (net) biomass power plant near Camptonville, California ("Project"); and

WHEREAS, the County of Yuba Planning Department, in June 2019, prepared a draft Initial Study/Mitigated Negative Declaration ("IS/MND"), and Mitigation Monitoring Plan ("MMP"), to evaluate the potential environmental impacts of implementing the Project; and received comments on the IS/MND resulting in additional proposed conditions of approval; and

WHEREAS, the County of Yuba Planning Commission reviewed and considered the information contained in the IS/MND, and determined that preparation of a Mitigated Negative Declaration was sufficient to document the environmental review of the Project under the California Environmental Quality Act ("CEQA"); and

WHEREAS, the County of Yuba Planning Commission, on June 19, 2019, considered and adopted the MND and MMP for the Project, and approved Conditional Use Permit 2019-0002 for the Project, along with Final Conditions of Approval, under resolution number 2019-0001; a copy of which is on file with the Energy Commission; and

WHEREAS, the State Energy Resources Conservation and Development Commission ("Energy Commission") is considering proposed grant Agreement EPC-17-042, with ICF Incorporated, L.L.C. (doing business as ICF Consulting, L.L.C.) regarding the Camptonville Biomass-to-Energy Project, for a \$4,999,830 grant to design and construct a five megawatt(net) biomass power plant; and

WHEREAS, the Energy Commission has reviewed the County of Yuba's IS/MND, MMP, Conditional Use Permit, Final Conditions of Approval, and June 19, 2019 resolution, and has used its own independent judgment to consider the potential environmental impacts of grant Agreement EPC-17-042 and the Project.

THEREFORE BE IT RESOLVED, that the Energy Commission finds, on the basis of the entire record before it that, with the implementation of the mitigation measures incorporated in the County of Yuba's IS/MND, MMP, and Final Conditions of Approval, the potential environmental impacts of the Project have been mitigated to a level of less than significance; and

BE IT FURTHER RESOLVED, that the Energy Commission finds that none of the circumstances contained in the California Code of Regulations, title 14, section 15162 are present, so that no subsequent or supplemental environmental review is required; and

BE IT FURTHER RESOLVED, that the Energy Commission approves Agreement EPC-17-042 with ICF Incorporated, L.L.C. (doing business as ICF Consulting, L.L.C.) for \$4,999,830; and

BE IT FURTHER 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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, ON
BEHALF OF THE LOS ANGELES CAMPUS

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

RESOLVED, that the Energy Commission approves Agreement EPC-19-002 with The Regents of the University of California, on behalf of the Los Angeles Campus for a \$600,000 grant to advance properties of transparent organic photovoltaic (TOPV) materials aiming to achieve 15 percent cell efficiency and 30 percent light transparency, and adopting staff's determination that this action is exempt from CEQA. This project will use developed TOPV materials to design and test small "smart greenhouses"; 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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: TANDEM PV, INC.

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

RESOLVED, that the Energy Commission approves Agreement EPC-19-003 with TANDEM PV, INC for a \$999,802 grant to develop scalable processing of perovskite photovoltaic layers on the top of silicon-based solar panels, and adopting staff's determination that this action is exempt from CEQA. This project will utilize spray deposition and rapid thermal annealing to fabricate and test 6x6 inch perovskite/silicon tandem devices with 25 percent cell efficiency; 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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan
NAY: None
ABSENT: None
ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

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

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

RESOLVED, that the Energy Commission approves Agreement EPC-19-004 with The Regents of the University of California, on behalf of the San Diego campus for a \$993,458 grant to test high-power perovskite-on-silicon tandem photovoltaic modules, and adopting staff's determination that this action is exempt from CEQA. The project plans to achieve a power conversion efficiency of greater than 32 percent while using low-cost manufacturing approaches; 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 California Energy Commission held on September 11, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat