

DOCKETED

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STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

**2020-2023 INVESTMENT PLAN
UPDATE FOR THE CLEAN
TRANSPORTATION PROGRAM**

Docket No. 19-ALT-01

CLEAN TRANSPORTATION PROGRAM'S 2020-2023 INVESTMENT PLAN UPDATE

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

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

WHEREAS, although the *2020-2023 Investment Plan Update* is the first CTP investment plan to include funding allocations for the next three and a half fiscal years, the CEC will continue to develop annual updates to the investment plan; and

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

WHEREAS, the development of the *2020-2023 Investment Plan Update* has benefitted from two Advisory Committee meetings and well over 100 comments submitted to public docket; and

WHEREAS, after considering all materials and comments received, Commissioner Monahan, Lead Commissioner for Transportation, released a draft of the *2020-2023 Investment Plan Update* on September 30, 2020. The latest draft,

incorporating only minor, clarifying changes to two tables' notes, was released October 13, 2020. The *2020-2023 Investment Plan Update* includes proposed funding allocations for fuels and technologies designed to advance the goals of the CTP; and

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

WHEREAS, the CEC has considered the application of the California Environmental Quality Act (CEQA) to the adoption of the *2020-2023 Investment Plan Update*, and concludes that the *2020-2023 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 *2020-2023 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 CEC hereby finds the *2020-2023 Investment Plan Update* not to be a project under CEQA, adopts the *2020-2023 Investment Plan Update* with any errata approved at the October 14, 2020 Business Meeting, directs CEC staff to prepare the *2020-2023 Investment Plan Update* incorporating any non-substantive changes such as typographical corrections, to forward the *2020-2023 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 *2020-2023 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 CEC held on October 14, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

***RULEMAKING TO ADOPT
REGULATIONS TO ESTABLISH
STANDARDS FOR FLEXIBLE DEMAND
TECHNOLOGIES FOR APPLIANCES***

Docket No. 20-FDAS-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 adopt regulations to establish standards for flexible demand technologies for appliances (Title 20, Cal. Code Regs., §§ 1689, et seq.). This action is taken under the authority of the California Public Resources Code Sections 25210, 25213, 25218(e) and (f), 25402(f), and 25402.11 and Sections 1220 – 1225 of Title 20 of the California Code of Regulations.

Senate Bill 49 (SB 49, Skinner, Chapter 697, Statutes of 2019) authorizes the California Energy Commission (CEC or Commission) to adopt regulations establishing standards and labeling requirements for appliances that promote flexible demand technologies, which can schedule, shift, or curtail electric demand of appliances, in order to reduce the greenhouse gases emitted in electricity generation. Cal. Pub. Res. Code section 25402(f)(1). This is separate and distinct from the Commission's traditional authority to prescribe energy efficiency standards and labeling requirements "for minimum levels of operating efficiency" of appliances to reduce their energy consumption. Cal. Pub. Res. Code section 25402(c)(1)(A).

SB 49 directs the CEC to establish standards and labeling requirements "to facilitate the deployment of flexible demand technologies" for appliances. Cal. Pub. Res. Code section 25402(f)(1). These standards and labeling requirements encompass technical measures taken by energy customers, third parties, load-serving entities or a grid balancing authority (with customers' consent) "that will enable appliance operations to be scheduled, shifted, or curtailed to reduce emissions of greenhouse gases associated with energy generation." *Id.*; Cal. Pub. Res. Code section 25402(f)(7)(A). The regulations the CEC adopts must be feasible, cost effective, and adopted in

consideration of a list of priorities and factors the bill delineates (e.g. cost, benefits to consumers, alignment of energy demand and supply, rates, or other grid requirements). Cal. Pub. Res. Code section 25402(f)(3) and (5). Starting on January 1, 2021, the CEC must describe any actions it has taken pursuant to SB 49 in its Integrated Energy Policy Report (IEPR). Cal. Pub. Res. Code section 25402(f)(6).

II. SCOPE OF THE PROCEEDING

It is anticipated that this rulemaking will implement directives of SB 49 including by establishing standards for appliances that facilitate the deployment of flexible demand technologies and a framework for enforcement to achieve the objectives consistent with state GHG reduction policies and mandates.

III. DELEGATION OF AUTHORITY

Commissioner J. Andrew McAllister is Lead Commissioner for this proceeding. The CEC delegates the authority to staff, under the direction of the Lead Commissioner, to take all actions reasonably necessary to present proposed regulations to the CEC for final adoption, including, but not limited to, complying with requirements of the Administrative Procedure Act and the California Environmental Quality Act (CEQA). Adoption of any changes to the CEC regulations pursuant to this Order Instituting Rulemaking will be by vote of the full Commission at a noticed Business Meeting based on the record as a whole. The full Commission will also make any final approvals required by CEQA.

IV. PUBLIC PARTICIPATION

The CEC encourages public participation in this proceeding. Any person participating in 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 CEC webpage:

<https://www.energy.ca.gov/proceedings/energy-commission-proceedings/flexible-demand-appliances>.

Anyone who would like to participate in this proceeding, should please register with the CEC load management and appliances list server at:

<https://ww2.energy.ca.gov/listservers/index cms.html>.

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 CEC website. The executive director shall also ensure sufficient advance public notice prior to consideration or adoption of final regulations by the CEC.

For additional information, please contact the CEC 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 October 14, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

GEYSERS CALISTOGA UNIT 19

GEYSERS POWER COMPANY, LLC

Docket No. 81-AFC-01C

**ORDER APPROVING
PETITION TO AMEND THE
FACILITY LICENSE**

On June 24, 2020, Geysers Power Company (GPC), LLC, submitted a petition for modification of the Final Decision for the Calistoga Geothermal Power Plant. GPC has requested California Energy Commission (CEC) approval to install a permanent standby diesel engine-powered pump for the cooling tower wet-down system. The equipment upgrade would change the operational characteristics of the power plant, and it would also require changes to the air quality conditions of certification for the facility.

CEC staff is proposing to revise the facility's air quality conditions of certification for consistency with the Lake County Air Quality Management District's (LCAQMD) Authority to Construct (ATC) Permit, issued on May 11, 2020.

STAFF RECOMMENDATION

CEC staff reviewed the petition and finds that it complies with the requirements of Title 20, section 1769(a) of the California Code of Regulations. CEC staff assessed the impacts of the modifications on environmental quality and on public health and safety.

Based on staff's analysis, staff recommends modifications to air quality conditions of certification. The current conditions do not include all facility requirements or provide an adequate, traceable nexus between the air quality standards and the reporting requirements. Staff proposes that the existing slate of air quality conditions of certification be repealed and replaced with new conditions of certification to update the reporting standards and incorporate revised language for consistency with the LCAQMD-issued operating permits.

ENERGY COMMISSION FINDINGS

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

- The petition meets all the filing criteria of Title 20, section 1769 (a), of the California Code of Regulations, concerning post-certification project modifications;
- The modifications will not change the findings in the Commission's Final Decision, pursuant to Title 20, section 1748, of the California Code of Regulations;
- The project will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources Code, section 25525;
- The updated Air Quality Conditions of Certification reflect changes made by the relevant Air Districts and harmonizes the Energy Commission's license with the Air District's permit; and
- The stationary permanent emergency diesel-driven engine for the cooling tower wet-down system will aid in fire prevention.

CONCLUSION AND ORDER

The California Energy Commission hereby adopts staff's recommendations and approves the amended conditions of certification to the Commission Decision for the Geysers facility as set forth in the Staff Assessment.

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 October 14, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

GEYSERS SONOMA UNIT 3

GEYSERS POWER COMPANY, LLC

Docket No. 80-AFC-01C

**ORDER APPROVING
PETITION TO AMEND THE
FACILITY LICENSE**

On March 31, 2020, Geysers Power Company (GPC), LLC, submitted a petition for modification of the Final Decision for the Sonoma Geothermal electrical generating facility. GPC has requested California Energy Commission (CEC) approval to install a permanent standby diesel engine powered pump for the cooling tower wet-down system. The equipment upgrade would change the operational characteristics of the power plant, and it would also require changes to the air quality conditions of certification for the facility.

CEC staff is proposing to revise the facility's air quality conditions of certification for consistency with the Northern Sonoma County Air Pollution Control District's (NSCAPCD) Authority to Construct (ATC) Permit, issued on March 9, 2020.

STAFF RECOMMENDATION

CEC staff reviewed the petition and finds that it complies with the requirements of Title 20, section 1769(a) of the California Code of Regulations. CEC staff assessed the impacts of the modifications on environmental quality and on public health and safety.

Based on staff's analysis, staff recommends modifications to air quality conditions of certification. The current conditions do not include all facility requirements or provide an adequate, traceable nexus between the air quality standards and the reporting requirements. Staff proposes that the existing slate of air quality conditions of certification be repealed and replaced with new conditions of certification to update the reporting standards and incorporate revised language for consistency with NSCAPCD-issued operating permits.

ENERGY COMMISSION FINDINGS

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

- The petition meets all the filing criteria of Title 20, section 1769 (a), of the California Code of Regulations, concerning post-certification project modifications;
- The modifications will not change the findings in the Commission's Final Decision, pursuant to Title 20, section 1748, of the California Code of Regulations;
- The project will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources Code, section 25525;
- The updated Air Quality Conditions of Certification reflect changes made by the relevant Air Districts and harmonizes the Energy Commission's license with the Air District's permit; and
- The stationary permanent emergency diesel-driven engine for the cooling tower wet-down system will aid in fire prevention.

CONCLUSION AND ORDER

The California Energy Commission hereby adopts staff's recommendations and approves the amended conditions of certification to the Commission Decision for the Geysers facility as set forth in the Staff Assessment.

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 October 14, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

RESOLUTION NO: 20-1014-5

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 approved grant projects; and

WHEREAS, CalCEF, in compliance with its duties under Agreement Number 300-15-007, has completed Solicitation 20-01, a competitive solicitation, and as a result has proposed to CEC small grant projects for funding; and

WHEREAS, CEC staff has reviewed the projects CalCEF has proposed, and recommends the following 28 small grant projects for funding:

1. \$150,000 is being requested for the “NeoCharge Smart Plug Load Splitter” project with NeoCharge Corporation, a project to construct and demonstrate a software platform that enables existing EV charging splitters to provide the ability to utilize cleaner and more affordable energy; and
2. \$150,000 is being requested for the “Improving Situational Awareness of Distribution Equipment during Extreme Weather Conditions” project with Gridware Inc., a project to develop a system of low-cost, solar-powered, sensor platforms, deployed across a distribution grid to provide real-time monitoring and fault anticipation; and
3. \$150,000 is being requested for the “Green Hydrogen from Biogas” project with Hago Energetics, Inc., a project to engineer a low cost and profitable system for generating green hydrogen from biogas; and

4. \$150,000 is being requested for the “Portable Solar & Utility CAPEX Optimization” project with Portable Solar, Inc., a project to develop a low-cost, ground-based portable solar photovoltaic system; and
5. \$150,000 is being requested for the “Waterhound Futures’ Predictive Modeling & Analytics Performance Optimization Software ” project with Waterhound Futures, Inc., a project to demonstrate an online software system that enables companies and municipalities to optimize performance and cost efficiencies of water and wastewater treatment, ultimately reducing the use of energy and freshwater in conventional treatment processes; and
6. \$150,000 is being requested for the “EV Climate Lending Platform” project with EV Life, LLC, a project to develop an EV Climate Loan and Lending Platform that will save ratepayers over \$200 per month on electric vehicle loan payments by engineering algorithms that verify applicants for thousands of dollars in EV incentives, reducing overall loan size; and
7. \$150,000 is being requested for the “Power Line Analysis System” project with inRG Solutions, LLC, a project to develop a power line analysis system that is installed in locations susceptible to wildfires; and
8. \$150,000 is being requested for the “Low Cost, Safe and Sustainable Grid Energy Storage” project with UNIGRID LLC, a project to design and demonstrate low cost, safe and sustainable batteries for electrical grid storage that have the potential to solve peak demand, renewable energy storage, and power disruption problems during emergencies; and
9. \$150,000 is being requested for the “High-Efficiency, Low-Cost, Non-REM Motor for DC & AC Power Supplies” project with Cyclonatix, Inc., a project to design and demonstrate an industrial-sized motor and controller with the potential to perform with very high system efficiencies of over 95 percent at a low cost; and
10. \$150,000 is being requested for the “Alkali Metal-Ion Solar Battery” project with Mlplus Solar Inc., a project to demonstrate an alkali metal-ion solar battery that has the potential to drive down fabrication & installation costs, overcome spatial limitations, mitigate safety risks, and improve system round-trip efficiency; and
11. \$150,000 is being requested for the “Sonocharge: Recharge to Full Energy in Ten Minutes” project with Sonocharge, a project to develop a lithium metal battery that has the potential to provide rapid charging, high energy density, and improved cycle life; and
12. \$150,000 is being requested for the “Breakthrough Nanotechnology Significantly Elevating Battery Energy Density and Rapid Charging” project with Innovasion Labs PINC, Inc., a project to develop a nanotechnology battery solution that has the potential to improve the energy density by ten times that of Lithium-ion technology; and
13. \$150,000 is being requested for the “Novel Composites to Increase Power Lines Capacity and Decrease Sag ” project with ALD Technical Solutions LLC, a project to develop a structural composite reinforcement system that has the potential to prevent galvanic corrosion of aging transmission line infrastructure while also increasing power capacity and power efficiency; and
14. \$150,000 is being requested for the “BusID Power Grid Topology and State Estimation Software” project with Topolonet Corporation, a project to test and implement a software solution for real-time and accurate topology identification and state estimation of the transmission power grid; and

15. \$150,000 is being requested for the “Zero-emission Community Solar with Built-in Long-Duration Storage” project with Planet A Energy, Inc., a project to design a new modular form of concentrated solar power with tolerance to hurricane-force winds, earthquakes, and grid outages while remaining inexpensive and efficient; and
16. \$150,000 is being requested for the “Empower-Power Anything, Anywhere, and Ultrafast Recharge under 2 hours” project with Whisper Energy Systems, Inc., a project to design and build a prototype zero-emission power backup device that can provide power to any device that uses a 120VAC wall outlet; and
17. \$150,000 is being requested for the “Rapid AI Screening to Significantly Reduce Cost of Battery Manufacturing” project with Parthian Energy, a project to reduce the cost of battery manufacturing with an intelligent screening technology; and
18. \$150,000 is being requested for the “Providing Frequency Regulation, Voltage Support and Synthetic Inertia with Synchronverters” project with Trianon Renewable Grid Reliability, LLC, a project to demonstrate a scalable, proprietary software-based control algorithm that is designed to integrate seamlessly with existing inverter’s control software and transform conventional inverters into “synchronverters” that enable large-scale interconnection without additional hardware; and
19. \$150,000 is being requested for the “An Optical Pressure Sensor Array to Optimize Geothermal Energy Production” project with Paulsson, Inc., a project to design a technology that uses an array of fiber optic-based pressure sensors to dramatically improve the information available from geothermal well operations to the operators allowing them to efficiently and economically develop and operate geothermal energy resources; and
20. \$150,000 is being requested for the “Advanced Air Stirling Cycle Based Heat-pump for Air-conditioning and Heating” project with IdealabStudio, a project to develop an Advanced Air Stirling Engine Cycle (AASEC) based heat pump with liquid piston for air-conditioning and heating applications; and
21. \$150,000 is being requested for the “Compact, Efficient & Cheap Hydrogen Electrolyzer” project with EH Group Technologies Inc., a project to develop and test a bipolar plate construction technology that is expected to significantly reduce the cost to produce an electrolyzer while also increasing its efficiency; and
22. \$150,000 is being requested for the “Zero-Emission, Dispatchable and Efficient Power Cycle” project with Noble Thermodynamic Systems, Inc., a project to demonstrate the dispatchability features of a new power system model called the Argon Power Cycle; and
23. \$150,000 is being requested for the “Paintable Heat-Reflective Coatings for Cool Building Retrofits” project with Cypris Materials, Inc., a project to develop a transparent solar control coating capable of being directly painted onto complex architectural geometries commonly found on residential and commercial buildings; and
24. \$150,000 is being requested for the “Eco-Efficient Produce Packaging with Improved Shelf Life by Passive Cooling” project with Photia Incorporated, a project to develop environmentally benign and affordable packaging to improve shelf-life of agricultural produce by passive cooling during harvest, storage, and transport; and
25. \$150,000 is being requested for the “Remote Inspection Platform for Utility Infrastructure” project with Tolo Inc., a project to demonstrate the efficacy of a "Parallax Imagery"-based software platform for remote inspection of utility assets; and

26. \$150,000 is being requested for the “Inverter Health Scanner” project with infiniRel Corporation, a project to develop a health diagnostics and control system for solar plants; and
27. \$150,000 is being requested for the “Cost and CapEx Reduction of Silicon Photovoltaics Through Streamlined Manufacturing” project with Leap Photovoltaics Inc., a project to develop a novel streamlined manufacturing process for silicon-based photovoltaic cells that will dramatically reduce operating cost, equipment cost, and energy consumption; and
28. \$150,000 is being requested for the “Advanced Solar Panels Combining Thin-Film PV & Solar Tubes for Agriculture & Flat Roofs” project with Taka Solar Corporation, a project to develop a unique package system for Perovskites cells within solar panels that utilizes an advanced tube-based architecture; and

WHEREAS, CEC staff has reviewed the 28 projects and determined that each project is exempt from CEQA, as described in CEC staff’s “California Environmental Quality Act (“CEQA”) Compliance Analysis For Proposed Subawards Under the California Sustainable Energy Entrepreneur Development Initiative, Agreement No. 300-15-007” Memorandum (“Memorandum”) dated October 2, 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 28 projects; and

FURTHER BE IT RESOLVED, that the CEC approves the 28 projects for a total of \$4,200,000; 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.

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 October 14, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: THE PECHANGA BAND OF LUISEÑO INDIANS

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-20-003 with The Pechanga Band of Luiseño Indians for a \$1,998,101 grant to fund a project that will connect 2MWh of modular vanadium redox flow batteries to the Tribe's recreation center/emergency shelter to provide 10 hours or more of backup power. In the event of an electric grid outage or Public Safety Power Shutoff, this storage system will allow the recreation center/emergency shelter to remain operational while the grid is down. A replicable battery storage solution at this site will have far-reaching positive impacts on the tribes in the surrounding area; 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 CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on October 14, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: DOE-NATIONAL RENEWABLE ENERGY 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 Amendment 5 to contract Agreement 600-15-001 with the U.S. Department of Energy's National Renewable Energy Laboratory. Amendment 5 would include the following: providing light-duty vehicle attribute forecasts and hydrogen price forecasts for use in the 2021 Integrated Energy Policy Report; further developing, refining, and expanding EV infrastructure projections; supporting the assessment of benefits from the Clean Transportation Program; and designing a specification for a hydrogen refueling station tester. The amendment would augment the budget by \$1.47 million and extend the term to December 31, 2023; 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 CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on October 14, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: FOUNDATION FOR CALIFORNIA COMMUNITY COLLEGES

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 600-20-002 with the Foundation for California Community Colleges for a \$300,000 contract to develop and deliver an outreach and engagement plan and activities that will advance Clean Transportation Program policies and investments in disadvantaged and 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 CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on October 14, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

RESOLUTION APPROVING THE CITY OF BURLINGAME'S LOCALLY ADOPTED BUILDING ENERGY EFFICIENCY STANDARDS, ORDINANCES NO. 1979, 1980, and 1981

RESOLUTION: California Energy Commission (CEC) approval of the City of Burlingame's locally adopted building energy efficiency standards, Ordinances No. 1979, 1980, and 1981, 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 Burlingame adopted Ordinances No. 1979, 1980, and 1981 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 Burlingame submitted an application to the CEC for Ordinances No. 1979, 1980, and 1981 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 August 27, 2020; and

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

WHEREAS, CEC staff has analyzed whether the ordinances 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 Burlingame'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 Burlingame's ordinances 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 Burlingame 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 October 14, 2020, the CEC approves the City of Burlingame’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 CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on October 14, 2020.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None

Cody Goldthrite

Cody Goldthrite
Secretariat