

DOCKETED

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STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

ORDER ISSUING ADMINISTRATIVE SUBPOENA
March 12, 2019

I. Introduction

The California Energy Commission (Energy Commission) is responsible for preparing biennial Integrated Energy Policy Reports (IEPRs), with additional IEPR updates prepared for the off-years, and develops both a five-year and ten-year electricity supply and demand outlook. The Energy Commission is also analyzing the replacement infrastructure needed to accommodate the shutdown of the San Onofre Nuclear Generating Station, retirement of aging facilities, including those that utilize once-through cooling, as well as future infrastructure and emission reduction credit needs in the Los Angeles basin. In addition, the Energy Commission provides information and analysis to the California Public Utilities Commission (CPUC) pertaining to Resource Adequacy program design and implementation, and planning reserve margin-related proceedings. As part of these ongoing efforts, the Energy Commission is evaluating several aspects of statewide and local electricity supply adequacy, including an annual assessment of expected reliability during summer peak demand periods.

The California Independent System Operator (CA ISO) has provided the Energy Commission with resource information pursuant to Administrative Subpoenas issued in 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2013, 2015, 2016, and 2018. Those subpoenas directed the CA ISO to provide certain information concerning characteristics of individual supply resources and daily operating procedures employed by the CA ISO within the CA ISO Balancing Authority Area. This subpoena renews that data request, and modifies several of the descriptions in order to more accurately identify data that are necessary to complete future Energy Commission studies.

II. Information Needed

In order to conduct the tasks identified in the previous section, the Energy Commission needs information held by the CA ISO concerning individual supply resources, transmission characteristics, and the procedures employed by the CA ISO relating to

the daily operation of the grid within the CA ISO Balancing Authority Area. The data needed by the Energy Commission consists of the following, provided on a monthly basis for the previous month (unless a less frequent time is identified), except that final settlement quality (energy supply) meter data requested in #3 and #8 below will be provided for the month two months previous to the submission to the Energy Commission:

1. Information identifying:
 - (a) the addition or expected addition of new generation resources. The information provided for new resources shall include the resource ID(s), any latitude and longitude information about facilities/unit(s) that is provided by the CA ISO customer, with expected commercial online dates within the next 12 months, the (expected) commercial online date(s); and
 - (b) the physical retirement or potential retirement of any resource located within the CA ISO balancing authority. For retiring resources, the resource ID(s) and the (expected) retirement date(s) are to be provided;
2. Master File Data by resource: monthly updates of data entered by resource owners and/or operators into the Master File database. For each resource, the Scheduling Coordinator ID and all CA ISO-implemented data from each field contained in the latest participant submitted Resource Data Template are to be provided;
3. The following resource output by 5-minute interval by Resource ID, including any demand response, storage, other specific devices, or aggregations of resources (including behind the meter) participating in the CA ISO market:
 - (a) preliminary settlement-quality meter data, per T+12B; and
 - (b) final settlement-quality meter data, per T+55B;
4. The list of resource IDs whose output is aggregated in compiling the output by renewable technology posted to the *Renewables Watch* on the CA ISO website and, for each resource ID provided, the resource technology or technologies for the associated resource;
5. By queue position number, the project name and owner for all projects in the CA ISO Generator Interconnection Queue, updating this data quarterly to incorporate any changes to the Generator Interconnection Queue;
6. (a) A copy of the master file of scheduling coordinator and import resource IDs; and

- (b) for each intertie with an external balancing authority, settlement-metered flows at the interval at which the CA ISO schedules the interties;
7. Actual hourly EMS load data for the subareas used in the CA ISO internal load forecast process, including PG&E-Bay Area, PG&E-Non-Bay Area without Pump Load, PG&E-Non-Bay Area Pump Load, SCE without Pump Load, SCE Pump Load, SDG&E, and VEA TAC;
 8. Final metered load used for settlement purposes, for each Utility Distribution Company on a 5-minute interval basis;
 9. Online access to transmission and resource outage information;
 10. ISO-validated data related to load-serving entity compliance with the requirements of the CA ISO's resource adequacy tariff. This includes expected peak loads and the generation and contract resources (identified by resource ID) and capacity encumbered (for each resource, in MW) by each load-serving entity. This information shall be provided for the following compliance showings:
 - (a) Final year-ahead system, local, and flexible resource adequacy compliance showings;
 - (b) Final month-ahead system, local, and flexible resource adequacy compliance showings for all months; and
 - (c) At such time that the CA ISO modifies its resource adequacy tariff to reflect 2- and 3-year-ahead procurement requirements for system, local, and flexible resource adequacy, data that indicates the resource procured in satisfaction of the requirement(s), the load-serving entity, and the contribution of each generation and demand-side resource procured towards meeting the requirement(s);
 11. All non-public operating procedures for supply resources, market operations, scheduling and transmission developed by the CA ISO. This information need not be provided on a monthly basis, but any updates shall be provided in the next month's submittal, or by request;
 12. All power flow base cases and dynamic stability data files developed for power flow and stability modeling studies identified in each annual cycle of the Transmission Planning Process (TPP); base cases including starting cases and final cases; (intermediate cases and similar studies performed outside the TPP shall be provided on written request); and all contingency files used to test base cases for single and multiple contingencies as required in satisfying NERC and WECC standards;
 13. 5-minute snapshots of raw PMU synchrophasor data from CAISO production servers in the form of COMTRADE format, or flat-file CSV

format as an alternative, along with the associated configuration file that contains a list of the PMUs in the data file. The raw synchrophasor data shall be “positive sequence” only and consist of voltage magnitude/angle, current magnitude/angle and frequency measured and time stamped at 10 samples/second minimum. The data files shall consist of the 5-minute snapshot containing the quarterly SP26 peak load instant and the 5-minute snapshots immediately preceding and following the 5-minute snapshot containing the quarterly SP26 peak load instant, as well as the 5-minute snapshot containing the quarterly SP26 minimum load instant and the 5-minute snapshots immediately preceding and following the 5-minute snapshot containing the quarterly SP26 minimum load instant. This information shall be provided on the 25th of the month following the close of the quarter; and

14. Hourly wind profiles by generator and region developed by the CAISO for use in its hourly production cost model dataset developed for the Transmission Planning Process economic analysis.

III. Authority

Public Resources Code section 25216 states that the Energy Commission shall assess trends in electricity consumption and assess the social, economic, and environmental consequences of these trends, and collect and analyze forecasts of supply and consumption in terms of the availability of energy resources, costs to consumers and other factors. In addition, Public Resources Code sections 25301 and 25302 provide a broad mandate for the Energy Commission to assess all aspects of energy supply, production, transportation, delivery and distribution, demand, and prices, and to develop policies that conserve resources, protect the environment, ensure reliability, enhance the economy, and protect public health and safety.

In order to meet its responsibilities, Public Resources Code section 25210 grants the Energy Commission the authority to conduct investigations and to exercise the same power conferred on the heads of departments of the State pursuant to Government Code section 11180 et seq., which includes the power of subpoena. These sections, which are implemented in Cal. Code Regs., tit. 20, section 1203, give the Energy Commission broad authority to subpoena the information specifically identified in Section II above.

IV. Conclusion and Order

The information identified in this subpoena has been determined by the Energy Commission to be necessary and appropriate under its mandates to assess all aspects of energy demand and supply, and to develop policies that conserve resources, protect the environment, ensure reliability, enhance the economy, and protect public health and safety. Therefore, the Energy Commission hereby adopts this Order Issuing Administrative Subpoena directing the California Independent System Operator to provide the information specified in this subpoena no later than the twenty-fifth day of each month, beginning April 2019, unless another filing date is identified above.

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 March 12, 2019.

AYE: Hochschild, Scott, McAllister

NAY: None

ABSENT: Douglas

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CERRITOS COMMUNITY COLLEGE DISTRICT

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 Amendment 2 to Agreement 600-16-005 with Cerritos Community College District for an augmentation of \$1,000,000 and an 18-month time extension, and adopting staff's determination that this action is exempt from the California Environmental Quality Act (CEQA). Cerritos Community College District is the host for Advanced Transportation and Logistics (ATL), an initiative of the California Community Colleges Chancellor's Office. Under this contract, the District's ATL will continue to develop and implement clean fuel career pilot programs for high schools, focusing on underserved communities, minority groups and regions impacted by poor air quality. The amendment could potentially double the number of high schools receiving the program; 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 March 12, 2019.

AYE: Hochschild, Scott, McAllister

NAY: None

ABSENT: Douglas

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: PROSPECT SILICON VALLEY

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 Amendment 1 to Agreement EPC-17-040 with Prospect Silicon Valley to replace Prospect Silicon Valley as prime with subcontractor Rocky Mountain Institute. A three party agreement recital is included in the amended Scope of Work and delineates the roles and responsibilities for Prospect Silicon Valley, Rocky Mountain Institute, and the Energy Commission. This amendment also includes a budget reallocation between Prospect Silicon Valley and Rocky Mountain Institute; 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 March 12, 2019.

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



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

In the Matter of:
Marsh Landing Generating Station

Docket No. 08-AFC-03C

**ORDER APPROVING PETITION TO
AMEND FACILITY LICENSE**

I. INTRODUCTION

In March 2018, NRG Marsh Landing, LLC, the owner and operator of the Marsh Landing Generating Station, located in the city of Antioch, California, submitted a Petition to Amend the project's Energy Commission license to allow the installation of a battery energy storage system to provide Black Start service in response to a need identified by the California Independent System Operator. The batteries would be used to start the gas turbines to restart the power plant in the event of a blackout, thereby supporting the restoration of the electrical grid in response to an emergency condition.

Energy Commission staff reviewed all project related information and, on February 8, 2019, published a staff analysis assessing the impacts on the environment from the project and recommends new and amended conditions of certification and to mitigate potential impacts and ensure the project remains in compliance with all applicable laws, ordinances, regulations, and standards.

The staff analysis concludes that with the new and modified conditions of certification proposed by staff, the proposed changes would not result in any significant adverse environmental impacts, and would comply with all applicable laws, ordinances, regulations, and standards. Staff recommends approval of the Petition to Amend the Marsh Landing Generating Station, with adoption of the modified and new conditions of certification presented in staff's analysis.

II. FINDINGS

The Energy Commission produced an EIR-equivalent analysis of the Marsh Landing Generating Station as part of its original licensing proceeding, which culminated in the

grant of license on August 25, 2010. Based on the entire record of this proceeding, including staff's analysis, and the Marsh Landing Generating Station Commission Decision and the environmental analysis of the project contained therein, the Energy Commission concludes that the proposed modifications will not result in any significant impacts to public health and safety, or to the environment. The Energy Commission finds that:

- The petition meets all the filing criteria of Title 20, section 1769 (a)(1), of the California Code of Regulations, concerning post certification changes in project design, operation, or performance;
- None of the findings specified in Title 20, section 1748(b) are applicable; and
- The modified project would not have a significant impact on the environment.

III. CONCLUSION AND ORDER

The California Energy Commission concludes that the proposed changes to the project contained in the Petition to Amend, and Energy Commission staff's analysis thereof, do not meet the criteria requiring production of subsequent or supplemental environmental review as specified in Title 14, California Code of Regulations, section 15162(a); therefore, no subsequent or supplemental EIR-equivalent review or documentation is required. The California Energy Commission hereby approves NRG Marsh Landing, LLC's Petition to Amend, Black Start Capability Enhancement docketed on March 26, 2018, and adopts staff's proposed additions and changes to the project's conditions of certification as set forth in the staff analysis published on February 8, 2019.

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 California Energy Commission held on March 12, 2019.

AYE: Hochschild, Scott, Douglas, McAllister

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION – RE: ADOPTING
RENEWABLES PORTFOLIO STANDARD 2014-2016 VERIFICATION RESULTS
REPORTS FOR 40 LOCAL PUBLICLY OWNED ELECTRIC UTILITIES
FOR COMPLIANCE PERIOD 2

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

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

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

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

WHEREAS, California Energy Commission staff have prepared a Compliance Period 2 (2014-2016) verification report for each of the 40 POUs identified in Attachment A hereto, entitled the *California Energy Commission Staff Draft Report Renewables Portfolio Standard Verification Results*; and

WHEREAS, the scope of each of the *California Energy Commission Staff Draft Report Renewables Portfolio Standard Verification Results* includes RPS procurement verification findings for each of the POUs identified in Attachment A hereto; and

WHEREAS, the *California Energy Commission Staff Draft Report Renewables Portfolio Standard Verification Results* for each POU address the following items with respect to each of 40 POUs identified in Attachment A hereto:

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

WHEREAS, the California Energy Commission has considered the 40 *California Energy Commission Staff Draft Report Renewables Portfolio Standard Verification Results* for each POU identified in Attachment A, as published on February 14, 2019, including the minor, non-substantive changes to the draft reports as noted by staff during the March 12, 2019 Business Meeting, and accepts and approves the 40 *California Energy Commission Staff Draft Report Renewables Portfolio Standard Verification Results* for each POU with the noted minor, non-substantive changes; and

THEREFORE BE IT RESOLVED, the California Energy Commission hereby adopts the 40 *California Energy Commission Staff Draft Report Renewables Portfolio Standard Verification Results* for the POUs identified in Attachment A hereto and authorizes the Executive Director, or his designee, to finalize the reports as Energy Commission adopted reports, including making any necessary minor typographical edits, and distribute and post on the Energy Commission website as necessary.

**ATTACHMENT A
RESOLUTION NO: 19-0312-3**

Alameda Municipal Power	Moreno Valley, City of
Anaheim Public Utilities	Needles, City of
Banning, City of	Oakland, Port of
Biggs Municipal Services	Palo Alto, City of
Burbank Water and Power	Pasadena Water and Power
Cerritos, City of	Pittsburg Power and Company
Colton, City of	Power and Water Resources Pooling Authority
Corona Department of Water and Power, City of	Rancho Cucamonga, City of
Eastside Power Authority	Redding, City of
Glendale Water and Power	Riverside, City of
Gridley Electric Utility	Roseville, City of
Healdsburg, City of	Sacramento Municipal Utility District
Imperial Irrigation District	Shasta Lake, City of
Kirkwood Meadows Public Utility	Silicon Valley Power
Lassen Municipal Utility District	Stockton, City of
Lodi Electric Utility	Truckee Donner Public Utility District
Lompoc, City of	Turlock Irrigation District
Los Angeles Department of Water and Power	Ukiah, City of
Merced Irrigation District	Vernon, City of
Modesto Irrigation District	Victorville, City of

CERTIFICATION

The undersigned Secretariat to the California Energy 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 March 12, 2019.

AYE: Hochschild, Scott, Douglas, McAllister

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION FINDING THAT
COUNTY OF LOS ANGELES' LOCALLY ADOPTED ENERGY STANDARDS
REQUIRE THE DIMINUTION OF ENERGY CONSUMPTION LEVELS PERMITTED BY
THE *2016 BUILDING ENERGY EFFICIENCY STANDARDS*

WHEREAS, on October 16, 2018, the County of Los Angeles adopted Ordinance No. 2018-0039 to establish locally adopted energy standards; and

WHEREAS, Public Resources Code Section 25402.1(h)(2), and California Code of Regulations, Title 24, Section 10-106(b), establish a process for local governments to apply to the California Energy Commission if they wish to enforce locally adopted energy standards; and

WHEREAS, the County of Los Angeles submitted an application to the Energy Commission for the ordinance 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 December 26, 2018; and

WHEREAS, the County of Los Angeles, in its application to the Energy Commission, indicated that implementation of the ordinance is intended for the protection of the environment and therefore the adoption of the ordinance was exempt from the California Environmental Quality Act (CEQA) codified in California Public Resources Code Section 21000 et seq. CEQA, pursuant to Sections 15061(b)(3) and 15308 of the CEQA Guidelines, codified in Title 14 of the California Code of Regulations; and

WHEREAS, the Energy Commission has analyzed whether the ordinance will require the diminution of energy consumption levels permitted by the *2016 Building Energy Efficiency Standards* (2016 Energy Standards); and

WHEREAS, the Energy Commission has considered the County of Los Angeles' application, the executive director's recommendation, and all comments submitted on the application.

THEREFORE BE IT RESOLVED, the Energy Commission finds that the County of Los Angeles' Ordinance will require the diminution of energy consumption levels permitted by the 2016 Energy Standards; and

THEREFORE BE IT FURTHER RESOLVED that the Energy Commission finds:

- (1) That there is no possibility that approving the County of Los Angeles' application to enforce its locally adopted energy standards will have a significant effect on the environment, and is therefore exempt from CEQA pursuant to Section 15061(b)(3) and 15308 of Title 14 of the California Code of Regulations; and
- (2) That its determination that the County of Los Angeles' locally adopted energy standards will require buildings to be designed to consume less energy than permitted by the 2016 Energy Standards is a ministerial project and is therefore exempt from CEQA pursuant to Public Resources Code Section 21080(b)(1) and Section 15268 of Title 14 of the California Code of Regulations.

THEREFORE BE IT FURTHER RESOLVED, the Energy Commission applauds the County of Los Angeles for seeking to achieve additional energy demand reductions, energy savings and other benefits exceeding those of the 2016 Energy Standards; and

THEREFORE BE IT FURTHER RESOLVED, that on March 12, 2019, the Energy Commission approves the County of Los Angeles' application to enforce its locally adopted energy standards; and

THEREFORE BE IT FURTHER RESOLVED, that the Energy Commission directs the executive director to take all actions necessary to implement this resolution, including but not limited to filing the appropriate notices with the Office of Planning and Research. (See, e.g., California Code Regulations., Title 14, § 15062.)

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 Energy Commission held on March 12, 2019.

AYE: Hochschild, Scott, Douglas, McAllister

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CITY OF PLACERVILLE

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 003-18-ECD with City of Placerville for \$784,112 loan for seven energy measures including replacement of interior and exterior lighting, lighting controls, and HVAC units with more energy efficient units, and adopting staff's determination that this action is exempt from the California Environmental Quality Act. The project is estimated to save the city 320,835.53 kWh of electricity, resulting in annual energy cost savings of \$60,017. The simple combined average payback on the loan amount is approximately 13.1 years and meets the 17 years; and

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

CERTIFICATION

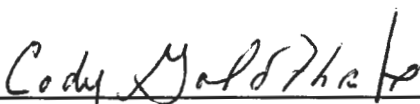
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AYE: Hochschild, Scott, Douglas, McAllister

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: PORIFERA, 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-18-009 with Porifera, Inc. for a \$2,800,687 grant to conduct a pilot demonstration of the Porifera Forward Osmosis (PFO) Concentrator system at a watermelon food and beverage processing plant in California, and adopting staff's determination that this action is exempt from CEQA. The PFO Concentrator system is expected to replace energy-intensive thermal evaporators that are commonly used to produce juice concentrates and freeze-dried powder products. Replacement of the thermal evaporators with the PFO Concentrator can provide 40-80 percent energy savings for each facility that utilizes this technology; 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 March 12, 2019.

AYE: Hochschild, Scott, Douglas, McAllister

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: PORIFERA, 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-18-010 with Porifera, Inc. for a \$1,777,132 grant to develop new capabilities in its Porifera Forward Osmosis (PFO) Recycler to treat and convert high-starch wastewater into clean water for onsite reuse, and adopting staff's determination that this action is exempt from the CEQA. If successful, the new capabilities will enable the PFO Recycler to become a viable and energy-efficient solution for market segments in California's food and beverage manufacturing sector that produce these difficult-to-treat high-starch wastewater streams; and

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

CERTIFICATION

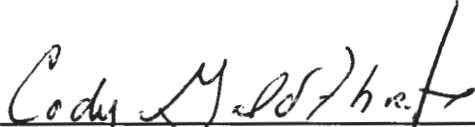
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AYE: Hochschild, Scott, Douglas, McAllister

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CALIFORNIA AIR RESOURCES BOARD AGREEMENT

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 RMB800-18-003 with the California Air Resources Board (CARB) to reimburse the Energy Commission up to \$250,000 to provide CARB with the 2019 California vehicle survey data and analysis, including commercial, residential and zero emission vehicle owner survey data; 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 March 12, 2019.

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



Cody Goldthrite
Secretariat