

DOCKETED

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Filer:	Cody Goldthrite
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STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

**RESOLUTION - RE: COLLABORATIVE FOR HIGH PERFORMANCE
SCHOOLS, 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 200-19-001 with Collaborative for High Performance Schools, Inc. for a \$5,000 contract to formalize the Energy Commission's membership. This one-year membership allows the Commission a seat on the Board of Directors and a voice in advocating energy efficiency practices that go beyond Title 24 energy standards; 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 May 15, 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

RESOLUTION - RE: THE SOLAR FOUNDATION

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 200-19-002 with The Solar Foundation for a \$5,000 sponsorship contract to support the research and implementation of the 2019 Solar Jobs Census, including California-specific 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 May 15, 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: NATIONAL ASSOCIATION OF STATE ENERGY OFFICIALS
(NASEO)

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 200-19-003 with NASEO for a \$9,999 sponsorship contract to support the research and development of the 2020 U.S. Energy and Employment Report; and

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

CERTIFICATION

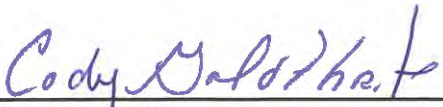
The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Energy Commission held on May 15, 2019.

AYE: Hochschild, Scott, Douglas, Monahan

NAY: None

ABSENT: McAllister

ABSTAIN: None



Cody Goldfrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CLEAN ENERGY STATES ALLIANCE, INC (CESA)

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 500-18-002 with CESA for a \$100,000 contract to renew the Energy Commission's Core Membership for two years. CESA is a national, nonprofit coalition of state, municipal and regional clean energy agencies and organizations working together to advance clean energy markets and the development of clean energy technology. This membership provides the Energy Commission a seat on the CESA Board of Directors to ensure California's interests are addressed in CESA activities; 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 May 15, 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: BEHAVIOR, ENERGY & CLIMATE CHANGE CONFERENCE

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 the Behavior, Energy & Climate Change Conference to co-sponsor the 2019 international conference in Sacramento, California, taking place November 17 – 20. Participation and information gained from this conference benefits the EPIC program by facilitating knowledge exchange and collaboration that helps to identify research needs beneficial to EPIC solicitations and initiatives.; and

RESOLVED, that the Energy Commission approves the use of the California Energy Commission logo in co-sponsorship advertisements of the aforementioned 2019 Behavior, Energy & Climate Change Conference;

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 May 15, 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:

***PREPARING THE 2019 INTEGRATED
ENERGY POLICY REPORT (2019 IEPR)***

Docket No. 19-IEPR-01

**ORDER INSTITUTING
INFORMATIONAL PROCEEDING
AND SCOPING ORDER**

I. Introduction

The California Energy Commission is required to adopt the Integrated Energy Policy Report (IEPR) every two years.¹ The IEPR contains an overview of major energy trends and issues facing the state, as well as a number of detailed assessments of energy supply and demand, energy reliability, efficiency, and other energy issues affecting the state's economy, public health and safety, and environment. The IEPR requires participation from, and coordination with an array of public and private stakeholders, including utilities, public agencies, marketers, producers, generators, importers and exporters, and others, many of whom submit detailed information to support the Energy Commission's analytical efforts. Development of the IEPR is a public process, including workshops and opportunities for public participation that are provided throughout the year-long proceeding. All IEPR events are publically noticed, and a docket of all submissions in the proceedings is maintained, which serves as the basis for the recommendations in the final IEPR.

II. Scope

Determining the scope of the IEPR begins with review of the applicable statutory provisions, found in Public Resources Code section 25301 et seq. On March 20, 2019, the 2019 IEPR lead commissioner, Vice Chair Janea A. Scott, issued a scoping order identifying the topics that will be examined in the 2019 IEPR. In addition to analyses specifically required by statute, the 2019 IEPR will address:

- Advancement of the zero-emission vehicle market and infrastructure.

¹ Public Resources Code, sections 25301, 25302.

- The status of implementing the recommendations developed in in the *Low Income Barriers Study Part A: Overcoming Barriers to Energy Efficiency and Renewables for Low-Income Customers and Small Business Contracting Opportunities in Disadvantaged Communities* and the *Low Income Barriers Study Part B: Overcoming Barriers to Clean Transportation Access for Low-Income Residents*.
- Advancements in energy efficiency and building decarbonization.
- Developments in the electricity sector, including those needed to support California's 2030 goals for GHG reductions, zero-emission vehicles, and a 60 percent Renewables Portfolio Standard.
- The status of energy reliability in Southern California.
- Efforts to increase the resiliency of California's energy system to climate change.

III. Hearings and Workshops

The first hearing² following adoption of this order will occur on May 23, 2019, in Diamond Bar at the South Coast Air Quality Management District. Additional workshops will be held and separately noticed. The lead commissioner will issue notices at least ten days in advance of workshops, and will identify at that time when written comments and testimony will be due, as well as the manner of the filing.

IV. Informational Proceeding

Pursuant to Public Resources Code section 25210 and California Code of Regulations, Title 20, section 1220, informational proceedings allow the Energy Commission to hold workshops and take other actions to gather and assess information needed to assist with formulation of policy. Instituting an informational proceeding with the adoption of this order ensures that the 2019 IEPR lead commissioner, who will be responsible for overseeing the preparation of the 2019 IEPR, can collect the information needed to complete the required analyses and assessments.

V. Participation

There will be opportunities for providing written comments before and during these workshops, the details of which will be specified in the notice issued for each workshop. In general, the following instructions will apply, but may be modified in the workshop notice:

For the 2019 IEPR, the Energy Commission is using an electronic commenting system. Visit the website at http://www.energy.ca.gov/2019_energypolicy and click on the "**Submit e-Comment**" link in the "Proceeding Information" box. From the drop down menu, please select the appropriate docket (there are currently 9 separate dockets for the 2019 IEPR and more may be added as needed). This will take you to the page for adding comments to that docket. Please enter your contact information and comment title. Select the appropriate IEPR workshop date and "IEPR public comments" under "subject(s)." You may include comments in the box titled "Comment Text" or attach a file with your comments. Attached comments must be in a Microsoft® Word

² For the purposes of this proceeding, the Energy Commission uses the terms "hearing" and "workshop" interchangeably.

(.doc, .docx) or Adobe® Acrobat® (.pdf) formatted file. The Energy Commission encourages use of its electronic commenting system, but written comments may also be submitted by emailing them to the Dockets Office, or by U.S. Mail to:

California Energy Commission
Dockets Unit, MS-4
Re: Docket No. [insert appropriate docket here]
1516 Ninth Street
Sacramento, CA 95814-5512

If you choose not to use the electronic filing system, please include the appropriate docket number on any emailed or written comments. Comments may alternatively be emailed to docket@energy.ca.gov, with the appropriate docket number provided in the subject line. Please note that your electronic, emailed, written and oral comments, attachments, and associated contact information (for example, address, phone number, and email address) become part of the viewable public record. Additionally, this information may become available via Google, Yahoo, and other search engines.

Any person may make oral comments on the subject of the proceeding at the workshop; the notice for each workshop will identify further details and any limitations surrounding the provision of such comments. The lead commissioner may also require the presence and participation of certain persons, consistent with the nature and purpose of the proceeding.

The Energy Commission's Public Adviser's Office provides the public with assistance in participating in Energy Commission activities. For information on participating in this proceeding, please contact the Acting Public Adviser, Jennifer Martin-Gallardo, at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or at publicadviser@energy.ca.gov.

If you have a disability and require assistance to participate, please contact Yolanda Rushin at yolanda.rushin@energy.ca.gov or (916) 654-4310 at least five days in advance.

Please direct all news media inquiries to the Media and Public Communications Office at (916) 654-4989 or mediaoffice@energy.ca.gov.

If you have questions about the subject matter of this order, please contact Heather Raitt, Assistant Executive Director for Policy Development, at (916) 654-4735 or heather.raitt@energy.ca.gov.

The Energy Commission therefore institutes an informational proceeding, and directs the Executive Director and staff to gather and assess the information needed to prepare the 2019 IEPR consistent with the scope identified in section II above, under guidance of the lead commissioner.

IT IS SO ORDERED

CERTIFICATION

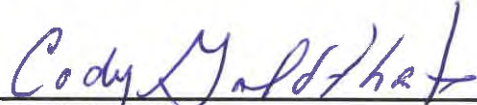
The undersigned Secretariat to the Energy Commission does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the California Energy Commission held on May 15, 2019.

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
CERTIFYING THE RESIDENTIAL ALTERNATIVE CALCULATION METHOD
REFERENCE MANUAL FOR THE *2019 BUILDING ENERGY EFFICIENCY
STANDARDS*

WHEREAS, the *2019 Building Energy Efficiency Standards*, amending California Code of Regulations, title 24, parts 1, and 6, were adopted by the California Energy Commission on May 9, 2018, with an effective date of January 1, 2020, and

WHEREAS, the Warren-Alquist Act, in Public Resources Code section 25402.1, subd. (a), requires the Energy Commission to develop a public domain computer program which will enable contractors, builders, architects, engineers, and government officials to estimate the energy consumed by residential and nonresidential buildings; and

WHEREAS, the Warren-Alquist Act, in Public Resources Code section 25402.1, subd. (b), requires the Energy Commission to certify calculation methods for complying with the building energy efficiency standards; and

WHEREAS, the *2019 Building Energy Efficiency Standards* that were adopted by the Energy Commission and approved by the Building Standards Commission included the 2019 Alternative Calculation Method Approval Manual, Document Number CEC-400-2018-023-CMF, December 2018, specifying the requirements to obtain approval of calculation methods using computer programs; and

WHEREAS, the Alternative Calculation Method Approval Manual provided for developing Nonresidential and Residential Alternative Calculation Method Reference Manuals as guidance documents for implementing the approval manual.

THEREFORE BE IT RESOLVED, that on May 15, 2019, as provided for by the Alternative Calculation Method Approval Manual and Public Resources Code section 25218, subd. (e), the Energy Commission certifies the Residential Alternative Calculation Method Reference Manual, Document Number CEC-400-2019-005-CMF, May 2019, which provides instructions for meeting the requirements for alternative calculation methods; and

THEREFORE BE IT FURTHER RESOLVED, that the Energy Commission directs the executive director to take, on behalf of the Commission, all actions reasonably necessary to make the above-referenced documents available and in good form, including but not limited to correcting typographical and other non-substantive errors.

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 May 15, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldfrite
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
CERTIFYING THE NONRESIDENTIAL ALTERNATIVE CALCULATION METHOD
REFERENCE MANUAL FOR THE *2019 BUILDING ENERGY EFFICIENCY
STANDARDS***

WHEREAS, the *2019 Building Energy Efficiency Standards*, amending California Code of Regulations, title 24, parts 1, and 6, were adopted by the California Energy Commission on May 9, 2018, with an effective date of January 1, 2020, and

WHEREAS, the Warren-Alquist Act, in Public Resources Code section 25402.1, subd. (a), requires the Energy Commission to develop a public domain computer program which will enable contractors, builders, architects, engineers, and government officials to estimate the energy consumed by residential and nonresidential buildings; and

WHEREAS, the Warren-Alquist Act, in Public Resources Code section 25402.1, subd. (b), requires the Energy Commission to certify calculation methods for complying with the building energy efficiency standards; and

WHEREAS, the *2019 Building Energy Efficiency Standards* that were adopted by the Energy Commission and approved by the Building Standards Commission included the 2019 Alternative Calculation Method Approval Manual, Document Number CEC-400-2018-023-CMF, December 2018, specifying the requirements to obtain approval of calculation methods using computer programs; and

WHEREAS, the Alternative Calculation Method Approval Manual provided for developing Nonresidential and Residential Alternative Calculation Method Reference Manuals as guidance documents for implementing the approval manual.

THEREFORE BE IT RESOLVED, that on May 15, 2019, as provided for by the Alternative Calculation Method Approval Manual and Public Resources Code section 25218, subd. (e), the Energy Commission certifies the Nonresidential Alternative Calculation Method Reference Manual, Document Number CEC-400-2019-006-CMF, May 2019, which provides instructions for meeting the requirements for alternative calculation methods; and

THEREFORE BE IT FURTHER RESOLVED, that the Energy Commission directs the executive director to take, on behalf of the Commission, all actions reasonably necessary to make the above-referenced documents available and in good form, including but not limited to correcting typographical and other non-substantive errors.

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 May 15, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldfrite
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 CERTIFYING THE 2019 PUBLIC
DOMAIN RESIDENTIAL COMPLIANCE SOFTWARE
CBECC-RES 2019.1.0**

WHEREAS, the Warren-Alquist State Energy Resources Conservation and Development Act, Public Resources Code sections 25000 et seq., 25402.1, subdivision (b), 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, the 2019 public domain California Building Energy Code Compliance – Residential (CBECC-Res 2019.1.0) software, estimates energy consumed by residential buildings under Public Resources Code section 25402.1, subdivision (a), for demonstrating compliance with the performance-based residential provisions of the *2019 Building Energy Efficiency Standards*, California Code of Regulations, Title 24, Parts 1, Chapter 10, and 6; and

WHEREAS, staff of the Energy Commission has reviewed and tested CBECC-Res 2019.1.0 to ensure it meets the requirements, specifications, and criteria for building energy models set forth in the 2019 Alternative Calculation Method Approval Manual, CEC-400-2018-023-CMF (December 2018); and

THEREFORE, the Energy Commission approves CBECC-Res 2019.1.0 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 *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 CBECC-Res 2019.1.0;
- To ensure that CBECC-Res 2019.1.0 and the 2019 Residential Alternative Calculation Method (ACM) Reference Manual are maintained and revised to accurately estimate the energy use of residential buildings, including correcting functional and analytical errors, and incorporating software modules that address compliance options and additional building systems, assemblies and construction materials;
- To review and approve updates to venter software, consistent with Section 1 of the 2019 Alternative Calculation Method 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 May 15, 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 CERTIFYING THE 2019 PUBLIC
DOMAIN NONRESIDENTIAL COMPLIANCE SOFTWARE
CBECC-COM 2019.1.0

WHEREAS, the Warren-Alquist State Energy Resources Conservation and Development Act, Public Resources Code sections 25000 et seq., 25402.1, subdivision (b), 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, the 2019 public domain California Building Energy Code Compliance – Nonresidential (CBECC-Com 2019.1.0) software estimates energy consumed by nonresidential buildings under Public Resources Code section 25402.1, subdivision (a), for demonstrating compliance with the performance-based nonresidential provisions of the *2019 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Parts 1, Chapter 10, and 6*; and

WHEREAS, staff of the Energy Commission has reviewed and tested CBECC-Com 2019.1.0 to ensure it meets the requirements, specifications, and criteria for building energy models set forth in the 2019 Alternative Calculation Method Approval Manual, CEC-400-2018-023-CMF (December 2018); and

THEREFORE, the Energy Commission approves CBECC-Com 2019.1.0 for estimating energy consumed by nonresidential buildings as specified in Public Resources Code section 25402.1, subdivision (a), and for demonstrating compliance with the performance-based nonresidential provisions of the *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 CBECC-Com 2019.1.0;
- To ensure that CBECC-Com 2019.1.0 and the 2019 Nonresidential Alternative Calculation Method (ACM) Reference Manual are maintained and revised to accurately estimate the energy use of commercial buildings, including correcting functional and analytical errors, and incorporating software modules that address compliance options and additional building systems, assemblies and construction materials;
- To review and approve updates to vender software, consistent with Section 1 of the 2019 Alternative Calculation Method 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 May 15, 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: CITY OF SAN LUIS OBISPO

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 005-18-ECD with the City of San Luis Obispo for a \$3 million loan for a 261.4 kilowatt (kW) solar photovoltaic system, and a 264 kW hydro-electric generation system both located at the water treatment plant, and adopting staff's determination that this action is exempt from the California Environmental Quality Act (CEQA). The project is estimated to save the City 1,738,933 kWh of electricity, resulting in annual energy cost savings of \$266,863. The simple combined average payback on the loan amount is approximately 11.2 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

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 May 15, 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: ZERO NET ENERGY ALLIANCE, 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-18-011 with Zero Net Energy Alliance, Inc. for a \$4,999,060 grant to deploy two master-metered all-electric zero net energy residential microgrids and three renewable microgrids at Lancaster schools, and to provide funding to support scale-up of the Lancaster Green District Program. This agreement will also deploy a virtual power plant to integrate and manage these distributed energy resources; 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 May 15, 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 PIR-18-002 from GFO-18-502 with The Regents of the University of California, on behalf of the Los Angeles campus, for a \$3,485,255 grant to develop a seismic risk quantification methodology and tool for natural gas storage and pipeline infrastructure, and adopting staff's determination that this action is exempt from CEQA. The tool will be able to identify, prioritize, and mitigate seismic risks; 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 May 15, 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 BERKELEY 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 PIR-18-003 from GFO-18-502 with The Regents of the University of California, on behalf of the Berkeley campus, for a \$4,940,158 grant to develop a performance-based earthquake engineering assessment tool for natural gas infrastructure, and adopting staff's determination that this action is exempt from CEQA. The recipient team will develop a tool to provide regulators and utilities the ability to analyze seismic risks, and will validate the tool by experimental testing of natural gas system components and subsystems; and

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

CERTIFICATION

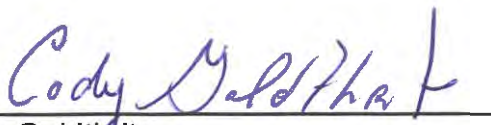
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AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: WEST BIOFUELS, LLC

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 PIR-18-001 from GFO-18-501 with West Biofuels, LLC for a \$2 million grant to fund the development and demonstration of a pilot-scale system to produce renewable gas and value-added alcohols by converting forest residue from high hazard zones. The project will integrate gasification with a catalytic upgrading and novel gas separation processes to demonstrate a full pathway from forest feedstock to renewable gas production and use; 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 May 15, 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: TAYLOR ENERGY

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 PIR-18-004 from GFO-18-501 with Taylor Energy for a \$1,999,695 grant to fund the pilot-scale demonstration of a unique pulse-detonation gasification-reforming process to convert forest biomass into high quality renewable gas; 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 May 15, 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: TECHNOLOGY & INVESTMENT SOLUTIONS LLC

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-18-024 from GFO-18-602 with Technology & Investment Solutions LLC for a \$2 million grant to demonstrate a catalytic biogas reforming process to generate hydrogen syngas from food waste at an existing anaerobic digester in El Mirage, California. The use of this process is expected to create biogas with a higher methane content, which will reduce the capital and operating costs needed to clean up the gas for transportation fuel. The process will also capture and convert CO₂, eliminating the need for flaring; 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 May 15, 2019.

AYE: Hochschild, Scott, Douglas, McAllister, Monahan

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite
Secretariat