

**DOCKETED**

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<b>Project Title:</b>	Public Comment on California Energy Commission Business Meetings
<b>TN #:</b>	230689
<b>Document Title:</b>	January 9, 2019 Business Meeting Orders and Resolutions
<b>Description:</b>	N/A
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<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	11/14/2019 10:29:53 AM
<b>Docketed Date:</b>	11/14/2019

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: ALLIANCE TO SAVE 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 150-18-008 with Alliance to Save Energy for a \$25,000 contract to renew the Energy Commission's membership for one year. Membership allows Energy Commission staff to meet with key policy and decision makers and officials from over 100 organizations to advance energy efficiency through unique and effective policy, market transformation, education, communications, and research and technology initiatives. These meetings provide a forum for exchanging information, ideas and resources; and

**FURTHER BE IT RESOLVED**, that the Executive Director or his/her designee shall execute the same on behalf of the 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 January 9, 2019.

AYE: Weisenmiller, Douglas, Hochschild, Scott

NAY: None

ABSENT: McAllister

ABSTAIN: None

  
\_\_\_\_\_  
Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

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

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

**RESOLVED**, that the Energy Commission approves Amendment 1 to Agreement EPC-17-018 with The Regents of the University of California on behalf of the Davis campus, to change the project location from a naval base in Ventura County to a cold storage facility in Oxnard, CA, and to replace equipment vendor SEaB Energy with Impact Bioenergy Inc., including a revision to pre-existing intellectual property; and

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

**CERTIFICATION**

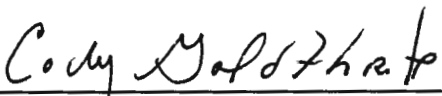
The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Energy Commission held on January 9, 2019.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None

  
\_\_\_\_\_  
Cody Goldthrite  
Secretariat



Before the Energy Resources Conservation and Development  
Commission of the State of California  
1516 Ninth Street, Sacramento, CA 95814  
1-800-822-6228 – www.energy.ca.gov

**APPLICATION FOR A SMALL POWER PLANT  
EXEMPTION FOR THE:**

**MCLAREN BACKUP GENERATING  
FACILITY PROJECT**

**Docket No. 17-SPPE-01**

## **ORDER ON PETITION FOR RECONSIDERATION**

### **I. INTRODUCTION AND PROCEDURAL HISTORY**

Intervenor Helping Hand Tools (Helping Hand) was granted Intervenor (party) status in the application for a Small Power Plant Exemption for the McLaren Backup Generating Facility Project (Project) on April 30, 2018.<sup>1</sup> The Energy Commission adopted an Order granting the Small Power Plant Exemption on November 7, 2018.<sup>2</sup> A Final Decision, consisting of the Order, Committee Proposed Decision<sup>3</sup>, and Errata<sup>4</sup>, was filed on November 13, 2018.<sup>5</sup> Prior to adoption of the Final Decision, Helping Hand submitted comments on the Committee Proposed Decision<sup>6</sup> and participated in the public hearing before the Commission on November 7, 2018.<sup>7</sup>

On December 7, 2018, Helping Hand timely filed a “Request for Reconsideration of the Final Decision granting a Small Power Plant Exemption for the McLaren Backup Generating Facility Project” (Petition).<sup>8</sup> The Petition cited California Code of Regulations, title 20, section 1720 (Section 1720) as authorizing the request.

Energy Commission staff (Staff) filed a reply<sup>9</sup> and Vantage Data Centers, LLC (Applicant) filed a response<sup>10</sup> to the Petition. Staff and Applicant both argued that a petition for reconsideration was not available for a small power plant exemption. Staff and Applicant further contended that even if such a petition were authorized by either the Warren-Alquist

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<sup>1</sup> TN 223291.

<sup>2</sup> TN 225884.

<sup>3</sup> TN 225112.

<sup>4</sup> TN 225828.

<sup>5</sup> TN 225970.

<sup>6</sup> TN 225830.

<sup>7</sup> TN 225914, pp. 15-19.

<sup>8</sup> TN 226041-2.

<sup>9</sup> TN 226162.

<sup>10</sup> TN 226222.

Act<sup>11</sup> or by Section 1720<sup>12</sup>, the Petition did not contain any new information or claims that had not been raised by Helping Hand prior to the adoption of the Final Decision granting the small power plant exemption.

In addition, two members of the public filed written comments in response to notice of the Petition. These commenters are the property owner of an adjacent parcel and the manager of a business operated on that land. The comments focused on prior notices and public outreach about the Project and on the potential environmental impacts of the Project related to the appearance of the Project, the use of diesel generators, and power usage.<sup>13</sup>

During the January 9, 2019, Business Meeting, Helping Hand distributed an article, dated May 17, 2017, to the Commissioners and parties that discussed another Applicant-owned data center near the Project where nearly 30 diesel generators were activated to test the system.<sup>14</sup> Helping Hand argues that nothing in the Final Decision prevents Applicant from doing this same thing with the Project.

## II. ANALYSIS

Notwithstanding the parties' various arguments about the applicability of Section 1720, the Commission is not persuaded that Section 1720 does not apply and, moreover, recognizes that it has discretion under Public Resources Code section 25530 to consider a petition for reconsideration for any Commission order or decision. After considering the Petition and the information presented at the January 9, 2019, Business Meeting, the Commission denies the petition because we find that it is a reassertion and re-argument of previous matters already raised to and considered by to the committee and the Commission prior to the issuance of the Final Decision. In fact, the Petition itself states:

These matters were raised before and ignored by the commission, hence the need to request reconsideration to correct the factual and legal errors in the decision.<sup>15</sup>

Further, Helping Hand made no showing that the article distributed at the January 9, 2019, Business Meeting, was not available prior to the Final Decision. We therefore conclude that Helping Hand has made no showing that there are new facts, evidence, or changed circumstances, or alleged factors that warrant reconsideration of the Final Decision.

With respect to the public comments received, the record discloses that the property owner was provided with copies of the Notice of Prehearing Conference and Evidentiary

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<sup>11</sup> Pub. Resources Code, § 25000 et seq.

<sup>12</sup> Cal. Code Regs., tit. 20, § 1720.

<sup>13</sup> TN 226200, 226201.

<sup>14</sup> TN 226284.

<sup>15</sup> TN 226041-2, p. 2.

Hearing<sup>16</sup>, Notice of Availability of the Committee Proposed Decision and Notice of Energy Commission Hearing<sup>17</sup>, and Notice of Energy Commission Hearing on Petition for Reconsideration.<sup>18</sup> In addition, the property owner was contacted by the City of Santa Clara during its consideration of the underlying data center for which the Project would provide backup generating power—as well as more recent proceedings conducted by the City of Santa Clara since issuance of the Final Decision.<sup>19</sup> These comments thus do not support reconsideration.

### III. CONCLUSION

For the reasons stated above, the Petition is hereby DENIED.

### CERTIFICATION

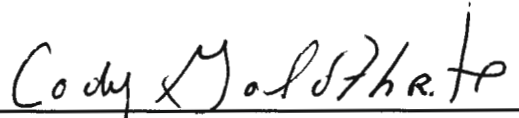
The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the California Energy Commission held on January 9, 2019.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None



Cody Goldthrite  
Secretariat

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<sup>16</sup> TN 224237.

<sup>17</sup> TN 225114.

<sup>18</sup> TN 226159.

<sup>19</sup> TN 226222, pdf pp. 7-8, 10-11, citing to the mailing list used by the City of Santa Clara obtained in January 2019.

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

*IN THE MATTER OF:*

**CAMPBELL COGENERATION  
PROJECT**

**SACRAMENTO POWER AUTHORITY**

**Docket No. 93-AFC-3C**

**ORDER APPROVING PETITION TO  
AMEND FACILITY LICENSE**

**I. INTRODUCTION**

On November 2, 2018, the Sacramento Power Authority (SPA) filed a petition with the California Energy Commission requesting to modify the SPA Campbell Cogeneration Project (SPAC) by installing a Siemens wet compression system upgrade to increase electrical production during high ambient temperature conditions, replacing the two existing burners with upgraded Siemens HR3 burners, and increasing the start-up carbon monoxide (CO) emission limits to avoid exceeding permitted CO emission limits. Energy Commission staff reviewed all project related information.

The staff analysis concludes that the petition complies with the requirements of Title 20, section 1769 (a) of the California Code of Regulations, and the proposed changes would not result in any significant adverse environmental impacts and would comply with all applicable laws, ordinances, regulations, and standards with adoption of the staff proposed changes to the conditions of certification. Staff recommends approval of SPA's petition to modify the Campbell Cogeneration Project and amend related Air Quality Conditions of Certification.

**II. FINDINGS**

Based on the entire record, including staff's analysis, 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 modified project would not have a significant impact on the environment;
- The facility will remain in compliance with all applicable laws, ordinances, regulations and standards;

- The changes will be beneficial to the project owner and the public because they will improve SPAC's ability to generate power during peak load periods in Sacramento's hot summers; and
- There has been a substantial change in circumstances since the Energy Commission certification justifying the changes. The proposed changes would allow the SPAC to continue to run efficiently, while meeting environmental goals and local electrical demand during warm ambient temperatures.

### III. CONCLUSION AND ORDER

The California Energy Commission hereby approves SPA's Petition for Post-Certification License Amendment and adopts the changes to the conditions of certification for the Campbell Cogeneration Project as set forth in the staff analysis.

IT IS SO ORDERED.

### CERTIFICATION

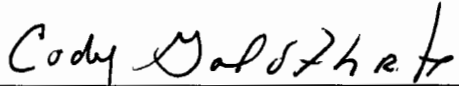
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AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None

  
\_\_\_\_\_  
Cody Goldthrite  
Secretariat



STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

COMMERCIAL AND INDUSTRIAL AIR  
COMPRESSORS APPLIANCE  
EFFICIENCY RULEMAKING

Docket No. 18-AAER-05

RESOLUTION ADOPTING NEGATIVE  
DECLARATION AND UPDATES  
APPLIANCE EFFICIENCY TO THE  
REGULATIONS

**WHEREAS**, on November 16, 2018, the Commission published a Notice of Proposed Action (NOPA) concerning the adoption of appliance efficiency standards for Commercial and Industrial Air Compressors, and the Express Terms of the proposed regulations, and the Initial Statement of Reasons (ISOR) describing the rationale for the proposed regulations; and

**WHEREAS**, adoption of these standards would constitute a project as defined in the California Environmental Quality Act (California Public Resources Code section 21000 et seq.) and the Guidelines for the Implementation of CEQA (California Code of Regulations, title 14, section 15000 et seq.) (collectively, "CEQA"), for which the Commission is the lead agency for the preparation and consideration of environmental documents; and

**WHEREAS**, on November 28, 2018, the Commission published an Initial Study and Proposed Negative Declaration for the proposed regulations, and a Notice of Availability, concluding that the proposed regulations would result in energy savings and reductions in statewide greenhouse gas emissions, and there would be no significant adverse impacts to the environment as a result; and

**WHEREAS**, on November 28, 2018, the Commission published a Notice of Completion and Environmental Document Transmittal, indicating that the Initial Study

and Proposed Negative Declaration were submitted to the State Clearinghouse on November 28, 2018; and

**WHEREAS**, the public comment period on the proposed regulations ended on December 31, 2018, and the public comment period on the Initial Study and Proposed Negative Declaration ended on January 3, 2019; and

**WHEREAS**, each of these documents and notices was provided to every person on the Energy Commission's Appliances List Server and to every person who had requested notice of such matters, and was posted to the Commission's website, all of which remain on file and may be viewed on the Commission website or at the Commission's headquarters in Sacramento; and

**WHEREAS**, on January 3, 2019, Commission staff held a public hearing to receive comments on the Proposed Negative Declaration and the proposed regulations pursuant to CEQA and the Administrative Procedure Act; and

**WHEREAS**, no written or oral comments were received on the Initial Study or proposed negative declaration; and

**WHEREAS**, the Commission received and considered written and oral comments on the proposed regulations; and

**WHEREAS**, the Commission has reviewed and considered the Initial Study and Negative Declaration, and other related documents in the record before it;

**THEREFORE, THE CALIFORNIA ENERGY COMMISSION FINDS:**

With respect to CEQA compliance:

1. The foregoing recitals are true and correct.
2. The Commission has independently reviewed, analyzed, and considered the Initial Study, Proposed Negative Declaration and the whole record before it. Based on this evidence, the Commission finds that there is no substantial evidence supporting a fair argument that the adoption of standards for commercial and industrial air compressors will have a significant adverse effect on the environment.
3. The Negative Declaration has been completed in compliance with CEQA.
4. The Negative Declaration represents the independent judgment and analysis of the Commission as lead agency for the project within the meaning of CEQA.

5. The Commission's Dockets Unit is the custodian of records of the proceeding on which this decision is based. The record of this proceeding may be obtained online and is available at the Commission's headquarters in Sacramento.
6. The Commission hereby directs staff to appropriately file a notice of determination within five working days of the adoption of this resolution.

With respect to the Warren-Alquist Act:

7. The proposed regulations will reduce the wasteful, uneconomic, inefficient, and unnecessary consumption of energy for appliances that require a significant amount of energy on a statewide basis; and
8. The proposed regulations are technologically feasible and attainable, as supported by the presence of products currently in the market that meet the proposed standards; and
9. The proposed regulations do not result in any added total costs to the consumer over the designed life of the appliances concerned, as supported by staff's calculation of a net benefit to cost ratio between 2:1 and 6:1 depending on the compressor type; and

With respect to the Administrative Procedure Act:

10. The proposed regulations will not create new businesses, eliminate existing businesses, or have an effect on the expansion of businesses in California and will not result in a significant statewide adverse impact directly affecting business, including the ability of California businesses to compete with businesses in other states; and
11. The proposed regulations will not create or eliminate a significant number of jobs within California; and
12. The proposed regulations will impose no direct costs, or direct or indirect requirements or mandates, on state agencies, local agencies, or school districts, including but not limited to costs that are required to be reimbursed under Part 7 (commencing with Section 17500) of Division 4 of the Government Code; and
13. The proposed regulations will result in no costs or savings in federal funding to the State of California; and
14. The proposed regulations will not result in costs or savings to any state agency in reasonable compliance with these regulations; and
15. The proposed regulations will result in no nondiscretionary costs or savings to local agencies or school districts; and

16. The proposed regulations will have no impact on housing costs; and
17. The proposed regulations will have no significant, statewide adverse effect on businesses in general or small businesses in particular; and
18. The proposed regulations will impose no net costs on private persons when savings from reduced electricity use are taken into account; and
19. The proposed regulations may result in costs that a representative business may necessarily incur in reasonable compliance with the regulations, but any costs would be passed on to consumers and outweighed by savings resulting from reduced electricity use; and
20. The proposed regulations will result in non-economic benefits, on a statewide level, such as reduction in pollution, greenhouse gas emissions, and energy generation demand; and
21. The proposed regulations have no alternatives that would be more effective in carrying out the purposes of the Warren-Alquist Act, that would be as effective and less burdensome to affected private persons in carrying out those purposes, or that would be more cost effective to affected private persons and equally effective in implementing those purposes; and
22. The proposed regulations require completion of certain reports regarding the efficiency and performance of the regulated appliances; this information is necessary for the public and the Energy Commission to confirm that the standards are met and that the appliances consume no more energy than allowed, so that the anticipated energy, environmental and cost benefits will actually be achieved. Accordingly, it is necessary that these reporting requirements apply to businesses in order to protect the health, safety and welfare of the people of California, as required by Government Code section 11346.3, subdivision (d); and
23. After considering all comments, objections, and recommendations received during the comment period regarding the proposed regulation, the Commission has determined that no amendments will be made and, as such, no additional comment period is required.

**THEREFORE BE IT RESOLVED**, after considering all comments received and the staff's responses, and based on the entire record of the proceeding, the California Energy Commission hereby adopts the Negative Declaration; and

**BE IT FURTHER RESOLVED**, after considering all comments received and the staff's responses, and based on the entire record of the proceeding, the California Energy Commission hereby adopts the amendments to its appliance efficiency regulations, as set forth in the express terms. (California Code of Regulations, sections 1601-1609.)

We take this action under the authority of, and to implement, interpret, and make specific, sections 25213, 25218(e), and 25402 of the Public Resources Code; and

**BE IT FURTHER RESOLVED**, the Energy Commission delegates the authority and directs Commission staff to take, on behalf of the Commission, all actions reasonably necessary to have the adopted regulations go into effect, including but not limited to making any appropriate non-substantive changes to the regulations; preparing all appropriate documents, such as the Final Statement of Reasons; compiling and submitting the rulemaking file to the Office of Administrative Law (OAL); and making any changes to the rulemaking file required by OAL.

**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 January 9, 2019.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None



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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

*IN THE MATTER OF:*

**THE 2018 INTEGRATED ENERGY  
POLICY REPORT UPDATE**

**Docket No. 18-IEPR-04**

**2018 IEPR CALIFORNIA  
ENERGY DEMAND UPDATED  
FORECAST, 2018-2030**

**WHEREAS**, Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002) requires the Energy Commission to "conduct assessments and forecasts of all aspects of energy industry supply, production, transportation, delivery and distribution, demand, and prices" and to "use these assessments and forecasts to develop and evaluate energy policies and programs that conserve resources, protect the environment, ensure energy reliability, enhance the state's economy, and protect public health and safety" (Public Resources Code § 25301(a)); and

**WHEREAS**, the Commission is specifically directed to assess electricity trends, develop electricity forecasts, evaluate adequacy of electricity supplies, and conduct other analytical activities relating to the state's use of and need for electricity (Public Resources Code, § 25303); and

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

**WHEREAS**, the Commission held workshops on July 10, 2018, and December 6, 2018, and Demand Analysis Working Group Meetings were held on July 12, 2018, August 2, 2018, and November 14, 2018, to solicit public input on the development of the California Energy Demand Updated Forecast, 2018-2030 (CEDU 2018); and

**WHEREAS**, on January 8, 2018, staff docketed the Notice of Availability for the CEDU 2018, which identifies the documents that make up the updated forecast, including updated forecasts for electricity consumption, retail electricity sales, and electricity peak demand for each of the major electricity planning areas and for the state as a whole; and

**WHEREAS**, the CEDU 2018 describes updated 10-year forecasts for electricity in California and for major utility planning areas within the state and updates the forecasts provided in the California Energy Demand 2018-2030 Forecast (CED 2017) by

incorporating more recent economic and demographic projections and adjusting for the latest historical data available for consumption, peak demand, temperatures, and electricity rates; and

**WHEREAS**, CEDU 2018 includes three updated baseline scenarios designed to capture a resonable range of demand outcomes during the next 10 years; and

**WHEREAS**, CEDU 2018 includes updated baseline forecasts of electricity consumption and peak demand for California and for utility planning areas within the state, as well as forecasts of hourly and monthly peak electricity demand for the California Independent System Operator control area and transmission access charge areas; and

**WHEREAS**, CEDU 2018 incorporates more recent economic and demographic assumptions, and an additional year of historical data, revised projections for electric vehicle and behind-the-meter photovoltaic (PV) system adoption, a new default time-of-use rate impact analysis, and revised estimates of additional achievable PV, and retains existing estimates of additional achievable energy efficiency; and

**WHEREAS**, CEDU 2018 will serve as a key input into a number of planning efforts, including transmission and distribution system planning, integrated resource planning, and resource adequacy; and

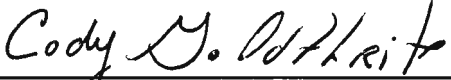
**WHEREAS**, the Commission has considered all comments received on the CEDU 2018;

**THEREFORE BE IT RESOLVED**, the California Energy Commission hereby adopts the CEDU 2018 consisting of the demand forecast forms identified in Appendix A to this Resolution along with any changes identified and adopted today, and directs Commission staff to incorporate the results of the CEDU 2018 into the 2018 Integrated Energy Policy Report Update.

**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 January 9, 2018.

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

  
\_\_\_\_\_  
Cody Goldthrite  
Secretariat

# Appendix A

## Documents Constituting the California Energy Demand Updated Forecast, 2018-2030

### High Baseline Demand

FINAL CEDU 2018 Baseline Statewide High Demand Case TN- 226265

FINAL CEDU 2018 Baseline PGE High Demand Case TN-226256

FINAL CEDU 2018 Baseline SCE High Demand Case TN- 226259

FINAL CEDU 2018 Baseline SDGE High Demand Case TN- 226263

CORRECTED CEDU 2018 Baseline NCNC High Demand Case TN- 226241

CORRECTED CEDU 2018 Baseline SMUD High Demand Case TN- 226240

CEDU 2018 Baseline LADWP High Demand Case TN-226101

CEDU 2018 Baseline BUGL High Demand Case TN-226098

CEDU 2018 Baseline IID High Demand Case TN-226102

### Mid Baseline Demand

FINAL CEDU 2018 Baseline Statewide Mid Demand Case TN- 226267

FINAL CEDU 2018 Baseline PGE Mid Demand Case TN- 226258

FINAL CEDU 2018 Baseline SCE Mid Demand Case TN- 226262

FINAL CEDU 2018 Baseline SDGE Mid Demand Case TN- 226260

CORRECTED CEDU 2018 Baseline NCNC Mid Demand Case TN- 226239

CORRECTED CEDU 2018 Baseline SMUD Mid Demand Case TN- 226234

CEDU 2018 Baseline LADWP Mid Demand Case TN-226115

CEDU 2018 Baseline BUGL Mid Demand Case TN-226117

CEDU 2018 Baseline IID Mid Demand Case TN-226116

### Low Baseline Demand



FINAL CEDU 2018 Baseline Statewide Low Demand Case TN- 226266  
FINAL CEDU 2018 Baseline PGE Low Demand Case TN- 226257  
FINAL CEDU 2018 Baseline SCE Low Demand Case TN- 226264  
FINAL CEDU 2018 Baseline SDGE Low Demand Case TN- 226261  
CORRECTED CEDU 2018 Baseline NCNC Low Demand Case TN- 226238  
CORRECTED CEDU 2018 Baseline SMUD Low Demand Case TN- 226233  
CEDU 2018 Baseline LADWP Low Demand Case TN-226106  
CEDU 2018 Baseline BUGL Low Demand Case TN-226108  
CEDU 2018 Baseline IID Low Demand Case TN-226107

Hourly Demand

Corrected CEDU 2018 1 in 2 Peak Loads by Month and CAISO TAC TN- 226244  
Corrected CAISO Hourly Results CEDU 2018 2018-2022 TN- 226243  
Corrected CAISO Hourly Results CEDU 2018 2023-2026 TN- 226246  
Corrected CAISO Hourly Results CEDU 2018 2027-2030 TN- 226245  
Corrected PGE Hourly Results - CEDU 2018 - 2018-2022 TN- 226252  
Corrected PGE Hourly Results - CEDU 2018 - 2023-2026 TN- 226251  
Corrected PGE Hourly Results - CEDU 2018 - 2027-2030 TN- 226250  
Corrected SCE Hourly Results - CEDU 2018 - 2018-2022 TN- 226248  
Corrected SCE Hourly Results - CEDU 2018 - 2023-2026 TN- 226247  
Corrected SCE Hourly Results - CEDU 2018 - 2027-2030 TN- 226253  
Corrected SDGE Hourly Results - CEDU 2018 - 2018-2024 TN- 226254  
Corrected SDGE Hourly Results - CEDU 2018 - 2025-2030 TN- 226255  
Corrected VEA Hourly Results - CEDU 2018 TN- 226249

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CALIFORNIA PUBLIC UTILITIES COMMISSION

**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 RMB700-18-005 between the California Energy Commission and the California Public Utilities Commission (CPUC) to reimburse the Energy Commission up to \$1 million to provide the CPUC with Energy Commission staff expertise for technical consulting services to support electricity and natural gas system modeling and analysis, and related 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**

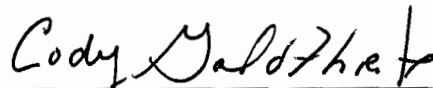
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AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None



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Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: LUCENT OPTICS, 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-18-003 with Lucent Optics, Inc. for a \$1,692,069 grant to develop a new lighting platform technology for making material-efficient and aesthetically pleasant wide-area LED lighting luminaires at a fraction of the cost of traditional fluorescent and LED fixtures. This lighting panel technology combines high-efficiency LEDs with a thin and flexible plastic sheet that redistributes light emitted by the LEDs without glare and without the need of complex and expensive luminaire structures; 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: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None



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Cody Goldfrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: UBIQUITOUS ENERGY, 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-18-004 with Ubiquitous Energy, Inc. for a \$2,998,055 grant to scale its ClearView Power™ technology to meet the size requirements and specifications needed for window production. ClearView Power™ is a transparent solar coating that, when applied to glass, selectively absorbs and converts non-visible light to electricity while also blocking the infrared light that causes heat gains in buildings. As part of this project, Ubiquitous Energy will demonstrate that the solar coating application can be integrated into a standard glass manufacturing process; and

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

**CERTIFICATION**

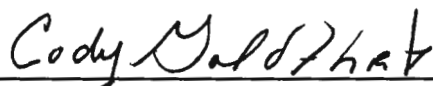
The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Energy Commission held on January 9, 2019.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None

  
\_\_\_\_\_  
Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: HELIOTROPE TECHNOLOGIES, INC.

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

**RESOLVED**, that the Energy Commission approves Agreement EPC-18-005 with Heliotrope Technologies, Inc. for a \$3,667,104 grant to demonstrate an electrochromic smart window technology that uses proprietary nanocrystal technology to dynamically manage sunlight intensity as it passes through a window. This electrochromic window expects to achieve a price point below \$25/ft<sup>2</sup> in order to achieve mass-market adoption. As part of this project, Heliotrope Technologies will conduct a real-world field installation and collect performance data and customer feedback; 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 January 9, 2019.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None

  
\_\_\_\_\_  
Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: GLINT PHOTONICS, 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-18-007 with Glint Photonics, Inc. for a \$1,999,990 grant to further develop a novel luminaire system that provides automated control over the angular and spatial distribution of solid-state lighting. The system's functionality can dynamically target light to wherever it is needed, significantly improving light utilization efficiency and lighting quality compared to conventional LED luminaires; 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 January 9, 2019.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None

  
\_\_\_\_\_  
Cody Goldthrite  
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: CALIFORNIA CLEAN ENERGY FUND DBA CALCEF  
VENTURES

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

**WHEREAS**, the Energy Commission 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 Energy Commission 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 Energy Commission, and managing authorized grant projects; and

**WHEREAS**, CalCEF has completed a Prototype Award Business Plan Competition, a competitive solicitation open to eligible CalSEED Concept Award winners, and has requested a total of \$1,800,000 for the following four small grant projects:

1. \$450,000 is being requested for the “Expanding Coverage of Advanced Compliance Technology, with Ongoing Central Valley Demonstration” project with CodeCycle, LLC, a project to expand the functionality of software that improves building energy code compliance by using data-driven web and mobile software to streamline the compliance process for design teams, contractors, and building inspectors.

2. \$450,000 is being requested for the “Hyper-Efficient Rotary Air Conditioner” project with Nativus, a project to create and test a prototype, highly efficient portable room air conditioner with a substantially lower weight and a 50% power reduction compared to the industry standard while providing similar cooling capacity.

3. \$450,000 is being requested for the “Optimal Load Sharing of DCFC and Level-2 Charging at Work” project with PowerFlex Systems, Inc., a project to prototype an expanded software system that jointly optimizes multiple levels of electric vehicle (EV) charging, solar photovoltaic generation, energy storage, customer preferences, and building load.

4. \$450,000 is being requested for the “EV BOOST (Electric Vehicle – Battery Optimization Opportunities for Sustainable Transportation)” project with Sepion Technologies, a project to scale a prototype battery membrane that enables drop-in, roll-to-roll manufacturing of lithium-metal anode batteries with significantly greater energy density compared to traditional graphite anode lithium-ion batteries.

**WHEREAS**, Energy Commission staff have reviewed the proposed projects and determined that categorical exemptions apply to each project, as described in the Staff CEQA Compliance Analysis Memorandum dated January 2, 2019, a document that is included in the backup materials to this Business Meeting item.

**THEREFORE BE IT RESOLVED**, that the Energy Commission adopts Staff’s CEQA findings for the four proposed projects contained in the Staff CEQA Compliance Analysis Memorandum dated January 2, 2019; and

**FURTHER BE IT RESOLVED**, that the Energy Commission approves the four projects proposed for funding from CalCEF’s Prototype Award Business Plan Competition for a total of \$1,800,000; and

**FURTHER BE IT RESOLVED**, that the Energy Commission directs CalCEF to execute grant agreements with the approved projects pursuant to Agreement Number 300-15-007; and

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

### **CERTIFICATION**

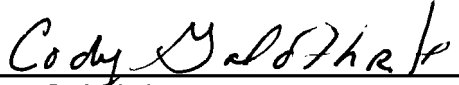
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AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None

  
\_\_\_\_\_  
Cody Goldthrite  
Secretariat