

DOCKETED

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STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION CALIFORNIA CLEAN ENERGY FUND DBA CALCEF VENTURES

WHEREAS, the State Energy Resources Conservation and Development Commission (CEC) has created the California Sustainable Energy Entrepreneur Development (“CalSEED”) Initiative within the Electric Program Investment Charge (“EPIC) Program to provide funding for public interest research, development and demonstration activities; and

WHEREAS, the California Clean Energy Fund (“CalCEF”) is the administrator of the EPIC CalSEED Initiative under Agreement Number 300-15-007 and is responsible for soliciting grant applications, recommending grant awards to the CEC, and managing approved grant projects; and

WHEREAS, at its August 14, 2019, business meeting, the CEC awarded a \$150,000 EPIC CalSEED Initiative grant to Arvind Simhadri for a project titled “Prefabricated Affordable Renewable Energy Housing”.

THEREFORE BE IT RESOLVED, that the CEC adopts the staff CEQA findings contained in the Amendment Request Form; and

FURTHER BE IT RESOLVED, that the CEC approves a change of recipient from Arvind Simhadri, an individual, to MOBI Homes Inc., for the \$150,000 EPIC CalSEED Initiative grant award for the project titled “Prefabricated Affordable Renewable Energy Housing”; wherein all aspects of the project including the project team, technology under development, scope of work, and terms and conditions will remain the same; and

FURTHER BE IT RESOLVED, that the CEC directs CalCEF Ventures to execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: NONE
ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

**HUNTINGTON BEACH ENERGY
PROJECT**

Docket No. 12-AFC-02C

**ORDER APPROVING A PETITION
TO AMEND AIR QUALITY
CONDITIONS**

On June 17, 2020, AES Huntington Beach Energy, LLC, filed a *Petition to Amend to Incorporate Completed Title V Permit Modifications* (petition) with the California Energy Commission (CEC). The petition requests changes to the Air Quality Conditions of Certification in the Final Commission Decision for the Huntington Beach Energy Project (HBEP) by increasing the non-cold start-up nitrogen oxide (NO_x) limit for two General Electric 7FA combined cycle gas turbines from 17 pounds per event to 32 pounds per event and make other changes in conformance with the South Coast Air Quality Management District's ("SCAQMD") revised Title V Facility Permit.

STAFF RECOMMENDATION

CEC staff has reviewed the petition pursuant to Title 20, California Code of Regulations, section 1769 (Post Certification Amendments and Changes) in *Staff Analysis of Amendment Proposal to Modify Air Quality Conditions* and has concluded that the operational modifications and conforming changes to the air district permit would not result in a significant impact on the environment or cause the project to not comply with applicable laws, ordinances, regulations, and standards.

ENERGY COMMISSION FINDINGS

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

- The petition meets all the filing criteria of Title 20, California Code of Regulations, section 1769(a), concerning post-certification project modifications.
- The modifications will not change the findings in the Commission's Final Decision, pursuant to Title 20, California Code of Regulations, section 1748.
- The project will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources Code section 25525.

- The proposed modification does not include any new sources of emissions nor modifications to the existing sources of emissions other than non-cold startup NOx emissions which will increase from 17 pounds per non-cold startup to 32 pounds.
- AES would be required to hold additional NOx RECLAIM Trading Credits to mitigate the emission increase.
- The modification to increase the non-cold start up NOx limit to 32 pounds per event would not result in a scenario that would have greater impacts than what has already been modeled for the equipment, and new modeling for maximum 1-hour impact is not required.


CONCLUSION AND ORDER

The CEC hereby adopts staff's recommendations and approves the amended conditions of certification to the Commission Decision for the Huntington Beach Energy Project as set forth in the *Staff Analysis*.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: NONE
ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION CALIFORNIA SCHOOLS HEALTHY AIR, PLUMBING, AND
EFFICIENCY PROGRAMS (20-RENEW-01)

WHEREAS, Assembly Bill 841 (AB 841, Statutes of 2020, Chapter 372), added, among other statutes, Public Utilities Code (PUC) Section 1600 et seq., which directs the State Energy Resources Conservation and Development Commission (CEC) to develop and implement two programs: a program to award grants to local educational agencies to reopen schools with functional ventilation systems that are tested, adjusted and, if necessary or cost effective, repaired, upgraded, or replaced to increase efficiency and performance; and another program to provide grants to state agencies and local educational agencies to replace noncompliant plumbing fixtures and appliances with water-conserving plumbing fixtures and appliances; and

WHEREAS, PUC section 1614 directs the CEC to adopt guidelines to establish the eligibility criteria, reporting requirements, and technical standards for these programs: the California Schools Healthy Air, Plumbing and Efficiency (CalSHAPE) Ventilation and Plumbing Programs; and

WHEREAS, The CEC, at its June 9, 2021, business meeting adopted the CalSHAPE Plumbing Program Guidelines, and at its June 25, 2021, business meeting adopted the CalSHAPE Ventilation Program Guidelines (collectively referred to as “The Guidelines”); and

WHEREAS, Since the CEC adopted The Guidelines, Assembly Bill 137 (AB 137, Statutes of 2021, Chapter 77) was enacted. AB 137 changed the definition in Public Utilities Code Section 1601 of Local Education Agencies - the eligible entities to receive funding under CalSHAPE - to include Regional Occupational Centers, and

WHEREAS, CEC staff have proposed revisions to The Guidelines to conform with the changes made by AB 137, and publicly noticed the proposed changes at least 15 days before the August 11 business in accordance with the requirements in The Guidelines; and

WHEREAS, The CEC’s legal office has considered the application of the California Environmental Quality Act (CEQA) to the CEC’s adoption of the proposed revisions to The Guidelines and opined that the CEC’s adoption of these revisions is exempt from CEQA under Title 14, California Code of Regulations, sections 15301, 15302, and 15303; and

RESOLVED, The CEC hereby finds the adoption of the proposed revisions to The Guidelines to be exempt from CEQA under Title 14, California Code of Regulations, sections 15301, 15302, and 15303; adopts the proposed revisions to The Guidelines; and delegates the authority and directs the CEC staff to take, on behalf of the CEC, all actions reasonably necessary to implement the revisions to The Guidelines, including, if necessary, making grammatical or other non-substantive, minor changes to The Guidelines as needed.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

**2022 TITLE 24 BUILDING ENERGY
EFFICIENCY STANDARDS RULEMAKING
PROCEEDING CALIFORNIA CODE OF
REGULATIONS, TITLE 24, PART 1,
CHAPTER 10, AND PART 6**

Docket No. 21-BSTD-02

RESOLUTION CERTIFYING THE FINAL ENVIRONMENTAL IMPACT REPORT

I. INTRODUCTION

The State Energy Resources Conservation and Development Commission (CEC) has, as directed by Section 25402 of the Public Resources Code, developed and undertaken a proceeding to adopt revisions to its Building Energy Efficiency Standards.

The Building Energy Efficiency Standards apply to residential, nonresidential, high-rise residential, and hotel and motel buildings. The standards are in Part 6 (also known as the California Energy Code) and associated administrative regulations in Part 1, Chapter 10, of Title 24 of the California Code of Regulations. The revised standards are called the 2022 California Energy Code (2022 Energy Code), and will go into effect on January 1, 2023, following approval by the California Building Standards Commission.

As adoption of the revised standards is a “discretionary project” under the California Environmental Quality Act (CEQA),¹ the CEC has determined that CEQA applies to the adoption of the 2022 Energy Code.

II. HISTORY OF THE PROCEEDING

On March 18, 2021, a Notice of Preparation (NOP) of an Environmental Impact Report (EIR) for the 2022 Energy Code was published and submitted to the State Clearinghouse, stating that a Draft EIR would be prepared. The NOP was circulated consistent with California Code of Regulations, Title 14, Section 15082.

A Scoping Meeting was held on April 9, 2021, pursuant to Public Resources Code Section 21083.9(a)(2), to obtain input on the appropriate scope and content of the Draft EIR because the 2022 Energy Code is a project of statewide importance.

¹ Cal. Pub. Resources Code, § 21000 et seq. and California Code of Regs., tit. 14, § 15000 et seq.

On May 19, 2021, the Draft EIR was submitted to the State Clearinghouse, to distribute to responsible and trustee agencies. The Notice of Availability of the Draft EIR (Notice of Availability) was provided to all persons and organizations subscribed to the Building Energy Efficiency Standards list server and posted on the CEC's website to inform the public of a 45-day public review and comment period, beginning on May 20, 2021 and ending on July 8, 2021. On May 20, 2021, the Notice of Availability and comment period information was also published in the Los Angeles Times pursuant to California Code of Regulations, Title 14, Section 15087(a)(1).

The public comment period on the Draft EIR ended on July 8, 2021. During the public review and comment period, the CEC received six comment letters. No public agency submitted comments on the Draft EIR.

On August 4, 2021, the CEC published the Final EIR for the 2022 Energy Code. The Final EIR consists of comments received during the 45-day public review and comment period, the CEC's responses to the significant environmental comments received during the 45-day public review and comment period, as well as a revised Draft EIR incorporating changes made to the text of the Draft EIR in response to the comments received on the Draft EIR.

On August 11, 2021, the CEC held a Public Hearing to receive comments on the Final EIR and the 2022 Energy Code and consider whether to certify the Final EIR and to adopt the 2022 Energy Code.

III. FINDINGS AND CONCLUSIONS

The CEC has considered the Final EIR and based on substantial evidence finds:

1. The Final EIR, including the Draft EIR, the revised Draft EIR, responses to comments, and appendices, have been completed in compliance with CEQA; and
2. The Final EIR was presented to the CEC, which reviewed and considered the information contained in the Final EIR prior to approving the 2022 Energy Code; and
3. None of the revisions or clarifications to the Draft EIR constitute new information that would require recirculation of the Draft EIR; and
4. Analysis of the project in the Final EIR indicates that the 2022 Energy Code will not result in significant environmental impacts and no mitigation is necessary; and
5. The Final EIR indicates that the 2022 Energy Code will result in many beneficial environmental impacts such as reduced energy use and associated greenhouse gas emissions; and

6. There is no clear environmentally superior alternative to the project among the alternatives identified in the Final EIR. The 2022 Energy Code is the best option due to the less than significant environmental impacts and ability to meet project objectives; and
7. The Final EIR reflects the CEC's independent judgment and analysis.

Therefore, the CEC hereby certifies the Final EIR as complying with CEQA and finds that there are no significant environmental impacts from the adoption of the 2022 Energy Code.

IV. DELEGATION TO EXECUTIVE DIRECTOR

The CEC delegates the authority and directs CEC staff to take, on behalf of the CEC, all actions reasonably necessary for the filing of a Notice of Determination with the State Clearinghouse within five business days of the adoption of this resolution.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: NONE
ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

**2022 TITLE 24 BUILDING ENERGY
EFFICIENCY STANDARDS
RULEMAKING PROCEEDING
CALIFORNIA CODE OF
REGULATIONS, TITLE 24, PART 1,
CHAPTER 10, AND PART 6**

Docket No. 21-BSTD-01

RESOLUTION ADOPTING PROPOSED REGULATIONS

I. INTRODUCTION

The State Energy Resources Conservation and Development Commission (“CEC”) has, as directed by Section 25402 of the California Public Resources Code, developed and undertaken a proceeding to adopt revisions to its Building Energy Efficiency Standards.

The Building Energy Efficiency Standards apply to residential, nonresidential, high-rise residential, and hotel and motel buildings. The standards are in Part 6 (also known as the California Energy Code) and associated administrative regulations in Part 1, Chapter 10, of Title 24 of the California Code of Regulations. The revised standards are called the 2022 Building Energy Code (2022 Energy Code), as proposed on July 13, 2021, for a 15-day public comment period, and as further revised by Appendix A to this Resolution.¹ The 2022 Energy Code will go into effect on January 1, 2023, following approval by the California Building Standards Commission.

As adoption of the revised standards is a “discretionary project” under the California Environmental Quality Act (CEQA),² the CEC has determined that CEQA applies to the adoption of the 2022 Energy Code and, pursuant to CEQA, prepared an Environmental Impact Report (EIR). On August 11, 2021, the CEC certified the Final EIR as complying with CEQA and found that there are no significant environmental impacts from the adoption of the 2022 Energy Code.

The CEC hereby adopts the proposed additions and amendments to its Building Energy Efficiency Standards. The CEC takes this action under the authority given by Public Resources Code Sections 25213, 25218, 25218.5, 25402, 25402.1, and 25605. The CEC proposes to implement, interpret, or make specific Public Resources Code

¹ The proposed 2022 Energy Code was published to the docket on July 13, 2021 with an error and was reposted with the error corrected on July 14, 2021.

² Pub. Resources Code, § 21000 et seq.

Sections 21080.4, 21153, 25007, 25008, 25218.5, 25310, 25402, 25402.1, 25402.4, 25402.5, 25402.8, 25605, 25910, 25942, and 25943, and Health and Safety Code Sections 18930, 18934, and 18935.

II. HISTORY OF THE PROCEEDING

A. Rulemaking

To develop the 2022 Energy Code, the CEC conducted an open, transparent, and extensive public process. Between March 2019 and today, the CEC held and participated in 45 stakeholder meetings and public workshops, in addition to holding three days of Lead Commissioner hearings. Development began with a presentation of the overall plan and schedule for this rulemaking, and the fundamental building blocks that would be used to propose revisions to the California Energy Code. Subsequent workshops addressed various aspects of the 2022 Energy Code in detail. During this process, stakeholder groups assessed, analyzed, discussed, and helped to improve numerous versions of the proposed standards, and the CEC staff considered more than 300 formal public comments.

On May 6, 2021, the CEC mailed and posted on its website a Notice of Proposed Action (NOPA) formally notifying the public of the CEC's intent to adopt the 2022 Energy Code, the Express Terms of the regulations, an Initial Statement of Reasons (ISOR) describing the rationale for the proposal, and the fiscal and economic impact analysis. On May 7, 2021, the NOPA was published in the California Regulatory Notice Register, delivered to the Secretary of the California Natural Resources Agency, and mailed to a representative number of small business enterprises or their representatives that are likely to be affected by the proposed action. The CEC provided each of these documents and notices to every person on the CEC's Building Energy Efficiency Standards list server, the CEC's Efficiency list server, and to every person who had requested notice of such matters. The CEC also posted each of these documents to its website.

On May 24, 2021, May 27, 2021, and May 28, 2021, the CEC held a Lead Commissioner Workshop on the 2022 Energy Code. On June 21, 2021, the 45-day comment period established by the NOPA closed. The CEC received a large number of written public comments on the 2022 Energy Code during the 45-day comment period. Accordingly, on July 13, 2021, the CEC issued a Notice of proposed changes to the 45-day language, which was available for comment for 15 days ("15-day Language").

B. Environmental Impact Report

On March 18, 2021, the CEC published a Notice of Preparation (NOP) of an EIR for the 2022 Energy Code and submitted it to the State Clearinghouse, stating that a Draft EIR would be prepared. On April 9, 2021, the CEC held a Scoping Meeting pursuant to California Public Resources Code Section 21083.9(a)(2), to obtain input on the

appropriate scope and content of the Draft EIR because the 2022 Energy Code is a project of statewide importance.

The CEC prepared a Draft EIR and, on May 19, 2021, submitted it to the State Clearinghouse to distribute to state agencies for review. Also, on May 19, 2021, the CEC provided a Notice of Availability of the Draft EIR to all persons and organizations subscribed to the Building Energy Efficiency Standards list server and posted it on the CEC's website to inform the public of a 45-day public review and comment period, which began on May 20, 2021 and ended on July 8, 2021. In addition, the Notice of Availability of the Draft EIR was published in the Los Angeles Times on May 20, 2021, in order to provide notice to the public, pursuant to California Code of Regulations, title 14, Section 15087(a)(1), of the availability of the Draft EIR and the 45-day public comment and review period, ending on July 8, 2021.

On August 4, 2021, the CEC published the Final EIR for the 2022 Energy Code. The Final EIR consists of the Draft EIR, comments received during the 45-day public review and comment period, and the CEC's responses to the significant environmental comments received during the 45-day public review and comment period, as well as a revised Draft EIR incorporating changes made to the text of the Draft EIR in response to the comments received on the Draft EIR.

On August 11, 2021, the CEC held a public hearing to receive comments on the Final EIR and to consider its adoption. Considering all comments received on the Draft EIR and based on the entire record of this proceeding, the CEC certified the Final EIR as complying with CEQA and found that there are no significant environmental impacts from the adoption of the 2022 Energy Code.

III. FINDINGS AND CONCLUSIONS

Several statutes govern the CEC's adoption of the 2022 Energy Code: the Warren-Alquist State Energy Resources Conservation and Development Act,³ the administrative rulemaking provisions of the Administrative Procedure Act (APA),⁴ the Building Standards Law,⁵ and the CEQA.⁶ Pursuant to these statutes, the CEC has reviewed the entire record of this proceeding, including public comments, reports and other documents, transcripts of public events, and all other materials that have been filed in this proceeding (Docket Nos. 21-BSTD-01, 21-BSTD-02).⁷

Based on that record, the CEC makes the following findings and conclusions.

³ Pub. Resources Code, § 25000 et seq.

⁴ Gov. Code, 1340 et seq.

⁵ Health & Safety Code, § 18901 et seq.

⁶ Pub. Resources Code, § 21000 et seq.

⁷ The documents and other materials that constitute the rulemaking record can be found online at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?doctetnumber=21-BSTD-01> and for the EIR at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?doctetnumber=21-BSTD-02>.

A. The Warren-Alquist Act, Public Resources Code Sections 25402 and 25402.8

The 2022 Energy Code satisfies the requirements of the Warren-Alquist Act, in Public Resources Code Section 25402, which requires the CEC to adopt building design and construction standards that increase the efficiency in the use of energy and water for new residential and new nonresidential buildings, and energy and water conservation design standards. The 2022 Energy Code fulfills these directives and will reduce the wasteful, uneconomic, inefficient, and unnecessary consumption of energy for appliances that require a significant amount of energy or water on a statewide basis. The reduction in statewide electricity demand will also marginally decrease water consumption in the electricity generation sector. In addition, the standards contained within the 2022 Energy Code are technologically feasible and attainable.

Further, Section 25402 requires the standards contained within in the 2022 Energy Code to be cost-effective when taken in their entirety, and when amortized over the economic life of the structure when compared with historic practice. Information in the administrative record indicates that the Building Energy Code as a whole will result in significant savings. Conservatively, these estimated savings equal a 30-year stream of approximately \$292.6 million in annual savings. Buildings constructed pursuant to the 2022 Energy Code are projected to provide \$1.56 billion of environmental benefit over a 30-year period. Therefore, the CEC finds that the 2022 Energy Code is cost-effective.

Section 25402.8 requires the CEC to consider the impact that building energy efficiency standards would have on indoor air pollution problems. The CEC considered the impacts to indoor air quality and included provisions in the 2022 Energy Code to address indoor air quality for health and safety. The CEC therefore finds and concludes that the 2022 Energy Code is reasonably necessary to carry out the mandate of Section 25402.8.

B. The Administrative Procedure Act:

The California APA requires all state agencies to take certain steps and assess several matters when adopting regulations. Many of these matters, analyses, and findings are required to be addressed in the ISOR prepared as part of the NOPA or in the Final Statement of Reasons (FSOR) that is required to be prepared after the regulations are adopted. In support of those documents, the CEC makes the following findings and determinations in adopting the 2022 Energy Code.

The 2022 Energy Code will likely result in the creation of new businesses, will not likely result in the elimination of existing businesses, and will not result in a significant statewide adverse economic impact directly affecting business, including the ability of California businesses to compete with businesses in other states. The 2022 Energy Code will require energy efficiency measures for all new nonresidential and residential construction, as well as for certain additions and alterations to existing buildings. While the increased energy efficiency in California's buildings may have short-term initial

costs, there are long-term savings that typically repay those costs by a significant positive ratio. The 2022 Energy Code therefore will create long-term economic growth and stability by increasing the disposable income of Californians and California businesses in the long-term, making it possible for new businesses to be created to provide compliance services and to supply energy efficient products. The 2022 Energy Code will likely result in the expansion of businesses currently doing business in California.

The 2022 Energy Code will impose no direct costs or savings, or direct or indirect requirements or mandates, on 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, when savings accruing over the lifetime of the appliance is considered. Further, the 2022 Energy Code will impose direct costs or savings, or direct or indirect requirements or mandates, on state agencies, as buildings owned and occupied by state agencies are required to comply with them.

The 2022 Energy Code may result in both the creation and elimination of jobs within California. California businesses producing energy efficient products and technology that meet or exceed the proposed standards are likely to expand sales of those products and technologies due to the implementation of these proposed standards. Construction related jobs and occupations, and companies that provide energy efficient products and services, will likely benefit from increased demand for those products and services likely creating jobs. Any jobs eliminated may be the result of a single measure that will reduce indoor nonresidential lighting power requirements.

The 2022 Energy Code will result in no costs or savings in Federal funding to the state of California. While the CEC receives Federal State Energy Program funding for the building standards program, the updates proposed to the standards do not alter or affect the state's ongoing participation in Federal State Energy Program. The 2022 Energy Code further will result in no nondiscretionary costs or savings to local agencies or school districts.

The 2022 Energy Code will have an impact on housing costs. California's Energy Code is part of the California Building Standards Code and therefore impacts newly constructed buildings and certain additions and alterations to existing buildings. However, the energy bill savings over the life of the building will be greater than any increased construction costs that will result from the standards.

The 2022 Energy Code will result in no cost impacts to representative private persons or businesses in reasonable compliance with the regulations. While the increased energy efficiency in California's buildings may have short-term initial costs, reduced utility costs in the long-term will result in increased disposable income for private persons and lowered costs for businesses.

The 2022 Energy Code will not adversely impact the health and welfare of California residents, worker safety, or the state's environment.

The 2022 Energy Code has no alternatives that would be more effective in carrying out the purposes of the statutes for which it is proposed, 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.

The 2022 Energy Code may have a significant adverse economic impact on small business. The Energy Code does not differentiate between a small business and a regular business. No alternatives were proposed that would lessen any adverse economic impact on small business.

The 2022 Energy Code will not require completion of any new report.

None of the comments received during the comment period or at the public adoption hearing, and nothing else in the record, justified any changes to the 2022 Energy Code as published on July 13, 2021, except for those non-substantive edits noted in the Errata to the 2022 Energy Code, attached as Appendix A to this resolution.

C. The Building Standards Law, Health and Safety Code Section 18930

The 2022 Energy Code must be submitted to the California Building Standards Commission (CBSC) for approval and is required to be accompanied by an analysis which will, to the satisfaction of the CBSC, justify its approval. (Health & Safety Code, Section 18930, subd. (a).) For the reasons described below, the CEC finds, determines, and concludes that the 2022 Energy Code complies with each one of the applicable criteria.

- 1) The 2022 Energy Code does not conflict with, overlap, or duplicate other building standards. The CEC is the only state agency authorized to set efficiency standards for buildings. Therefore, there is no overlap, duplication, or conflict with other building standards.
- 2) The 2022 Energy Code is within the parameters established by enabling legislation and is not expressly within the exclusive jurisdiction of another agency. The CEC has statutory authority under Public Resources Code Sections 25213, 25402, 25402.1, 25402.4, 25402.5, 25402.8, and 25910 to promulgate and update energy and water efficiency standards for residential and nonresidential buildings, including both newly constructed buildings and additions and alterations to existing buildings.
- 3) The public interest requires the adoption of the 2022 Energy Code. California law declares that the welfare of California's citizens and economy depends on an adequate, reasonably-priced, and environmentally-sound supply of energy and that wasteful, uneconomic, inefficient, and unnecessary uses of energy will result in serious depletion or irreversible commitment of energy, land, and water

resources, and potential threats to the state's environmental quality. It is the policy of the state to:

- Employ a range of measures to reduce wasteful, uneconomical, and unnecessary uses of energy, thereby reducing the rate of growth of energy consumption,
- Prudently conserve energy resources,
- Assure progress towards statewide environmental, public safety, and land use goals, and
- Promote alternative energy generation, including through the use of solar photovoltaics.

The 2022 Energy Code serves all these public interests by carrying out the CEC's statutory mandate to provide energy- and water-efficiency and conservation standards for both newly constructed residential and nonresidential buildings. By saving large amounts of energy, the standards will make a major contribution in meeting the state's goals for reductions in greenhouse gas emissions in buildings. By making buildings more efficient and affordable to operate, the 2022 Energy Code encourages investment in new construction, making capital available for other investments, thereby stimulating economic growth. The 2022 Energy Code will continue to improve upon the existing building standards and continue to address past and new policy directives.

- 4) The 2022 Energy Code is not unreasonable, arbitrary, unfair, or capricious, in whole or in part. The proposed standards, as a whole and with respect to each part, were carefully developed through an open, transparent, data-driven process that necessarily responds to, incorporates, and reasonably balances a broad array of interests, state policy goals, and legal requirements. The proposed standards originated with proposals that describe measures that are technically feasible and cost-effective, including supporting data and analysis. These proposals were then vetted during the public pre-rulemaking process, including dozens of public workshops, during which time CEC staff received stakeholder input and refined the proposed standards based on stakeholder input and evidence in the record.
- 5) The cost to the public is reasonable, based on the overall benefit to be derived from the building standards. The 2022 Energy Code will increase the deployment of on-site renewable energy generation, reduce carbon emissions from new buildings, reduce growth in energy demand, increase energy demand flexibility, and ensure that California buildings are as energy efficient as is found to be technically feasible and cost-effective. Added construction costs that the building standards will impose are reasonable based on the economic and environmental

benefits that will be derived from the building standards. Therefore, the benefits will substantially outweigh the upfront costs of the 2022 Energy Code.

- 6) The 2022 Energy Code is not unnecessarily ambiguous or vague, in whole or in part. These standards include many changes that improve clarity and prevent ambiguity. Proposals or comments suggesting clarifying improvements were incorporated into the building standards where it was determined that they provide a benefit to clarity without otherwise changing the application or effect of the intended regulatory change.
- 7) The applicable national specifications, published standards, and model codes have been incorporated into the 2022 Energy Code as required by the State Building Standards Law, where appropriate. The 2022 Energy Code incorporates Federal energy standards for particular appliances that may be installed in buildings. In addition, the CEC included model and national codes and specifications in the 2022 Energy Code wherever appropriate.
- 8) The format of the 2022 Energy Code is consistent with that adopted by the CBSC. The proposed standards continue to use the format of the other building standards in the State Building Code.
- 9) The 2022 Energy Code has the written approval of the state fire marshal. On July 14, 2021, the State Fire Marshal filed a letter to the 2022 Energy Code docket, stating that the Office of the State Fire Marshall reviewed the 2022 Energy Code, found no conflict in the proposed regulations, and therefore granting written approval.

IV. ADOPTION OF 2022 ENERGY CODE; DELEGATION TO EXECUTIVE DIRECTOR

After considering all comments received and the staff's responses, and based on the entire record of this proceeding, the CEC hereby adopts the amendments in the 2022 Energy Code, as set forth in the 15-day language and as further revised by Appendix A of this Resolution.

The CEC delegates the authority and directs CEC staff to take, on behalf of the CEC, all actions reasonably necessary to have the 2022 Energy Code go into effect, including but not limited to correcting grammatical, typographical, and other nonsubstantial errors in the regulations; preparing all appropriate documents, such as the Final Statement of Reasons; compiling and submitting the rulemaking file to the CBSC or Office of Administrative Law (OAL); making any changes to the rulemaking file required by CBSC or OAL; and preparing and filing the Final EIR with the State Clearinghouse.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE



Liza Lopez
Secretariat

Appendix A

1. Errata to the 2022 Energy Code, 15-day language

- Page 51, Section 100.0(e)2Bii: Replace “140.9” with “140.10.” This is a typographical clerical error that could lead to confusion if not corrected since Section 140.10 was added as a prescriptive requirement.
- Page 55, Table 100.0-A: In the fourth column from the left and the fourteenth row down, replace “141.10” with “140.10.” This is a typographical clerical error that could lead to confusion if not corrected since Section 140.10 was added as a prescriptive requirement, while there is no Section 141.10.
- Page 92, Section 100.1(b): Replace “OPTIMUM STOP CONROLS” with “OPTIMUM STOP CONTROLS.” This is a typographical clerical error.
- Page 199, Section 120.6(h)1A: Delete the following language that inadvertently appeared after the period and repeats the text immediately before the period: “ng with 10 CFR 430.32(v)2.” This is a typographical clerical error.
- Page 233, Note to Section 140.0: Replace “140.9” with “140.10” in two instances. This is a typographical clerical error that could lead to confusion if not corrected since Section 140.10 was added as a prescriptive requirement.
- Page 235, Section 140.2: Replace “140.9” with “140.10.” This is a typographical clerical error that could lead to confusion if not corrected since Section 140.10 was added as a prescriptive requirement.
- Page 262, Table 140.4-A: In top row, furthestmost right column, delete footnote 1 from “All Other Fan Systems >10,000 cfm¹.” This is a typographical clerical error, and the footnote does not properly refer to this entry.
- Page 323, Table 140.9-B: Replace “<” with “≤” in all five instances located in the left-most column of the table. This is a typographical clerical error that could lead to confusion if not corrected.
- Page 368, Section 141.0(a)(1): Replace “140.9” with “140.10.” This is a typographical clerical error that could lead to confusion if not corrected since Section 140.10 was added as a prescriptive requirement.
- Page 525, Section 180.2(b)1A: Replace “ii” with “iii.” This is a typographical clerical error that could lead to confusion if not corrected since Section 180.2(b)1Aiii was added as a requirement.

- Page 528, Table 180.2-B: Replace “SHGC” with “RSHGC” in the title of the Table. This is a typographical clerical error that does not match the text references to the table and its contents.
- Page NA2-10, Section NA2.2.4.1.5(3)c: Replace the second instance of “Power Consumed” with “Fan Efficacy (W/cfm).” This is a typographical clerical error that renders the sentence and section nonsensical and therefore could lead to confusion if not corrected.
- Page RA3-114, Section RA3.7.4.4(3)c: Replace the second instance of “Power Consumed” with “Fan Efficacy (W/cfm).” This is a typographical clerical error that renders the sentence nonsensical and therefore could lead to confusion if not corrected.

2. Decline to Adopt

- Page 321, Section 140.9(a)1C: Due to comments from stakeholders, decline to adopt additions, either from 45-day or 15-day language, of Section 140.9(a)1C.
- Page 321, Table 140.9-A: Due to comments from stakeholders, decline to adopt addition in 15-day language of Table 140.9-A.
- Page 323, Table 140.9-B: Due to declination to adopt addition of a new Table 140.9-A on page 321, decline to adopt change in 15-day language to “Table 140.9-B” back to “Table 140.9-A” on page 323.
- Page 346, Section 141.1(b)1C: Due to comments from stakeholders, decline to adopt additions, either from 45-day or 15-day language, of Section 141.1(b)1C.
- Page 347, Table 141.1-A: Due to comments from stakeholders, decline to adopt addition in 15-day language of Table 141.1-A.
- Page 380, Table 150.1-A: In “Space Heating” row, under Climate Zone 10, decline to adopt deletion in 45-day language of “MIN” and addition from 45-day language of “NA.” After publication of the 45-day language, staff received comments suggesting that the change to heat pumps for space heating in Climate Zone 10 was not appropriate. As discussed in the Lead Commissioner Hearing, staff agreed with these comments and made this change back to 2019 Standards language in the 15-day text. However, the corresponding table language inadvertently was not changed back in the 15-day language.
- Page 548, Appendix 1-A: Decline to adopt deletion from 15-day language of the following: “ASTM E408-13(2019) Standard Test Methods for Total Normal Emittance of Surfaces Using Inspection Meter.” This was an inadvertent deletion of the majority, but not entire, entry.

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

ASSEMBLY BILL 3232 FINAL STAFF
REPORT CALIFORNIA BUILDING
DECARBONIZATION ASSESSMENT

Docket No. 19-DECARB-01

RESOLUTION ADOPTING THE ASSEMBLY BILL 3232 FINAL STAFF REPORT
CALIFORNIA BUILDING DECARBONIZATION ASSESSMENT

WHEREAS, Assembly Bill 3232 (Friedman, Chapter 373, Statutes of 2018) tasks the California Energy Commission (CEC) with assessing the potential for California to reduce greenhouse gases from residential and commercial buildings by 40 percent below 1990 levels by 2030, in consultation with the California Public Utilities Commission, the California Air Resources Board, and the California Independent System Operator; and

WHEREAS, Assembly Bill 3232 requires the CEC to consider and include in the report, and the CEC has considered and included in the *Assembly Bill 3232 Final Staff Report – California Building Decarbonization Assessment* (AB 3232 Final Report), the following criteria:

- An evaluation, based on the best available data and existing analyses, of the cost per metric ton of carbon dioxide equivalent of the potential reduction from residential and commercial building stock relative to other statewide greenhouse gas emissions reduction strategies.
- The cost-effectiveness of strategies to reduce emissions of greenhouse gases from space heating and water heating in both new and existing residential and commercial buildings.
- The challenges associated with reducing emissions of greenhouse gases from low-income housing, multifamily housing, and high-rise buildings.
- Load management strategies to optimize building energy use in a manner that reduces the emissions of greenhouse gases.
- The potential impacts of emission reduction strategies on ratepayers, construction costs, and grid reliability. In assessing the impact on grid reliability, the CEC shall account for both of the following:
 - The CEC’s 2019 Building Energy Efficiency Standards, effective January 1, 2020, that require solar energy systems on all new single-family and low-rise residential dwellings.

- o The increased load and impact on electrical infrastructure due to transportation electrification.

WHEREAS, the CEC staff hosted six public workshops from December 2019 to May 2021, to discuss and seek feedback on the findings presented in the AB 3232 Final Report and received many comments submitted to the public docket; and

WHEREAS, the CEC staff sought data and input relating to building decarbonization from stakeholders, including, but not limited to, the California Public Utilities Commission, the California Air Resources Board, investor owned utilities, publicly owned utilities, environmental groups, and building trades and home builders in preparing the *Draft Staff Report – California Building Decarbonization Assessment*, which was released on May 7, 2021; and


WHEREAS, the CEC has considered the application of the California Environmental Quality Act (CEQA) to the adoption of the AB 3232 Final Report, and concludes that the adoption of the AB 3232 Final Report is not a “project” under CEQA, but in the event that adoption was determined to be a project, that it would nonetheless be exempt from CEQA requirements pursuant to the “common sense” exemption (CEQA Guidelines, § 15061, subd. (b)(3)).

THEREFORE BE IT RESOLVED, the CEC hereby finds the AB 3232 Final Report not to be a project under CEQA; adopts the *Assembly Bill 3232 Final Staff Report – California Building Decarbonization Assessment* with any errata approved at the August 11, 2021, business meeting; directs the CEC staff to prepare an *Assembly Bill 3232 California Building Decarbonization Assessment Commission Report* incorporating any non-substantive changes such as typographical corrections; and directs staff to make the *Assembly Bill 3232 California Building Decarbonization Assessment Commission Report* available to the public.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: NONE
ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION EQUILON ENTERPRISES LLC

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

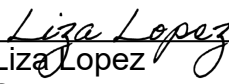
RESOLVED, that the CEC approves Agreement ARV-21-023 with Equilon Enterprises LLC dba Shell Oil Products US for a \$4,000,000 grant to develop and demonstrate the first multi-modal hydrogen refueling station in California. The multi-modal hydrogen refueling station will serve hydrogen fuel cell powered on-road heavy-duty vehicles and locomotives at the Port of West Sacramento and will support the Sierra Northern Hydrogen Locomotive Project resulting from the same solicitation and previously awarded; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: Hochschild
ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION H2B2 USA LLC – SOLAR PHOTOVOLTAIC HYDROGEN
PRODUCTION PLANT IN CENTRAL CALIFORNIA

WHEREAS, the County of Fresno is the Lead Agency for “Solar Photovoltaic Hydrogen Production Plant in Central California” (hereinafter, “Project”), a proposed project to construct a renewable hydrogen production plant; and

WHEREAS, the County of Fresno prepared an Initial Study on April 8, 2021, and Mitigated Negative Declaration for the Project to evaluate the potential environmental impacts of implementing the Project, copies of which are on file with the California Energy Commission (CEC); and

WHEREAS, the County of Fresno on May 20, 2021 approved and adopted the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the Project, thereby imposing mitigation measures upon the Project; and

WHEREAS, the County of Fresno adopted findings required by the California Environmental Quality Act (“CEQA”), and approved the Project, by Adoption of Resolution No. 12883, a copy of which Resolution is on file with the CEC; and

WHEREAS, the CEC is considering proposed Agreement ARV-21-029, “Solar Photovoltaic Hydrogen Production Plant in Central California” (hereafter, “ARV-21-029”), a grant to construct a renewable hydrogen production plant; and

Prior to acting on the Agreement ARV-21-029, the CEC desires to make certain findings pursuant to the CEQA Guidelines, title 14, section 15096;

NOW THEREFORE, BE IT RESOLVED:

1. The CEC has reviewed the information contained in the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program, that is relevant to its approval of ARV-21-029, and has reviewed the CEQA findings contained in the County of Fresno’s Initial Study, Mitigated Negative Declaration, and Mitigation Monitoring and Reporting Program, which are adopted to the extent that they are relevant to the CEC’s decision to approve ARV-21-029.
2. The County of Fresno has already adopted the mitigation measures recommended in the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program and has authority to implement the mitigation measures or to seek any required approvals for the mitigation measures, and the CEC has no direct authority to implement the mitigation measures.

3. The CEC has reviewed and considered the Initial Study, Mitigated Negative Declaration, and Mitigation Monitoring and Reporting Program, and finds that these documents are adequate for its use as the decision-making body for its consideration of ARV-21-029.
4. Approval of ARV-21-029 (Solar Photovoltaic Hydrogen Production Plant in Central California) is within the scope of the activities evaluated in the Initial Study, Mitigated Negative Declaration, and Mitigation Monitoring and Reporting Program.
5. Since the Mitigated Negative Declaration was finalized, and adopted on May 20, 2021 there have been no substantial project changes and no substantial changes in the project circumstances that would require major revisions to the Mitigated Negative Declaration, due to the involvement of new significant environmental effects or an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusion set forth in the Mitigated Negative Declaration.
6. The CEC has not identified any feasible alternative or additional feasible mitigation measures within its power that would substantially lessen or avoid any significant effect which the solar photovoltaic hydrogen production plant would have on the environment.

THEREFORE BE IT RESOLVED, that the CEC finds, on the basis of the entire record before it, that the mitigation measures incorporated in the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program will prevent ARV-21-029 from having any significant environmental impacts; and


FURTHER BE IT RESOLVED, that the CEC approves Agreement ARV-21-029 with H2B2 USA LLC, for \$3,965,000; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: Hochschild
ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION CITY OF LONG BEACH

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

RESOLVED, that the CEC approves Agreement ARV-21-007 with the City of Long Beach for a \$200,000 grant to develop and implement a replicable strategy for accelerating the planning, adoption, and deployment of MD/HD ZEVs and charging infrastructure that directly targets municipal and private fleets; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: Hochschild

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, IRVINE

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

RESOLVED, that the CEC approves Agreement ARV-21-018 with The Regents of the University of California, Irvine for a \$200,000 grant to develop a comprehensive and replicable blueprint to accelerate the adoption of MD/HD ZEVs within the South Coast Air Basin; and

FURTHER BE IT RESOLVED, that the CEC authorizes and directs the Executive Director or their designee to execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: Hochschild

ABSTAIN: NONE


Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION INCHARGE ENERGY, INC.

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


RESOLVED, that the CEC approves Agreement ARV-21-019 with InCharge Energy, Inc. for a \$200,000 grant to develop a planning blueprint for EV charging infrastructure to facilitate the deployment of MD/HD ZEVs and their charging infrastructure from the Inland Empire (the Riverside–San Bernardino–Ontario metropolitan area) to the Ports of San Pedro along Interstate 710; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: Hochschild
ABSTAIN: NONE


Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION SANTA BARBARA METROPOLITAN TRANSIT DISTRICT

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

RESOLVED, that the CEC approves Agreement ARV-21-020 with Santa Barbara Metropolitan Transit District for a \$200,000 grant to develop a blueprint that will enable the adoption of MD/HD EVs for transit and municipal fleets; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

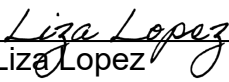
The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: Hochschild

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION CENTRAL CONCRETE SUPPLY CO., INC

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

RESOLVED, that the CEC approves Agreement ARV-21-021 with Central Concrete Supply Co., Inc. for a \$200,000 grant to develop the blueprint for Zero Emission Concrete Logistics Project with conceptual electric charging and hydrogen fueling infrastructure designs; a comprehensive technology assessment for ZEVs and site infrastructure; detailed energy analyses, a workforce development plan, and actionable strategies to accelerate the deployment of MD/HD ZEVs and ZEV infrastructure; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: Hochschild

ABSTAIN: NONE


Liza Lopez
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, IRVINE

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


RESOLVED, that the CEC approves Agreement ARV-21-022 with The Regents of the University of California, Irvine for a \$200,000 grant to develop a blueprint that will enable the adoption of MD/HD battery electric and fuel cell electric vehicles for fleets at a marine terminal; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: Hochschild
ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION OXNARD HARBOR DISTRICT-THE PORT OF HUENEME

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

RESOLVED, that the CEC approves Agreement ARV-21-024 with the Oxnard Harbor District - The Port of Hueneme for a \$200,000 grant to develop a blueprint that will enable the adoption of MD/HD battery electric and fuel cell electric vehicles for fleets at the Port of Hueneme; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION


The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: Hochschild

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION PORT OF STOCKTON

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

RESOLVED, that the CEC approves Agreement ARV-21-026 with the Port of Stockton for a \$200,000 grant to develop a planning blueprint document that will enhance the transition to zero emission technologies among the port's tenants, Central Valley medium and heavy-duty truck fleets, stevedoring, agriculture and maritime industries; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: Hochschild

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, RIVERSIDE

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

RESOLVED, that the CEC approves Agreement ARV-21-027 with the Regents of the University of California, Riverside for a \$200,000 grant to develop a blueprint that will enable the adoption of MD/HD battery electric and fuel cell electric vehicles for fleets in the South Coast region; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION

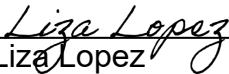
The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: Hochschild

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION SAN DIEGO ASSOCIATION OF GOVERNMENTS (SANDAG)

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

RESOLVED, that the CEC approves Agreement ARV-21-028 with SANDAG for a \$200,000 grant to develop their MD/HD ZEV blueprint to reduce barriers to light duty EV adoption, including a charger needs assessment online mapping tool and EV expert; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION


The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: Hochschild

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION SAN FRANCISCO BAY AREA WATER EMERGENCY
TRANSPORTATION AUTHORITY (WETA)

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

RESOLVED, that the CEC approves Agreement ARV-21-030 with WETA for a \$200,000 grant to develop a plan of action and milestones for implementation of zero-emission infrastructure to support transition of the WETA ferry fleet to zero-emission electric propulsion systems; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION


The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: Hochschild

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, SAN DIEGO

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

RESOLVED, that the CEC approves Agreement EPC-21-008 with The Regents of the University of California, San Diego for a \$1,684,308 grant to improve the technology readiness, commercial scale-up pathways, and environmental benefits of high-value, direct recycling processes for lithium-ion batteries; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION


The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION ONTO TECHNOLOGY LLC

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

RESOLVED, that the CEC approves Agreement EPC-21-009 with OnTo Technology LLC for a \$1,001,807 grant for research and development of lithium-ion battery recycling processes and manufacturing new batteries made with one hundred percent recycled electrodes; and

FURTHER BE IT RESOLVED, that the Executive Director or their designee shall execute the same on behalf of the CEC.

CERTIFICATION


The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda

NAY: NONE

ABSENT: NONE

ABSTAIN: NONE



Liza Lopez
Secretariat

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION FINDING BUILDING ENERGY EFFICIENCY STANDARDS
CONTAINED IN CITY OF ALAMEDA'S ORDINANCE NO. 3300 SATISFY
STATUTORY REQUIREMENTS UNDER PUBLIC RESOURCES CODE SECTION
25402.1(h)(2)

WHEREAS, The City of Alameda adopted Ordinance No. 3300, which establishes certain locally adopted building energy efficiency standards; and

WHEREAS, Public Resources Code Sections 25402(a) and (b) establish that the California Energy Commission (CEC) shall prescribe, by regulation, statewide building energy efficiency standards; and

WHEREAS, Public Resources Code Section 25402.1(h)(2) provides that nothing in Public Resources Code Sections 25402(a) or (b) shall prohibit the enforcement of city or county building energy efficiency standards if: (1) the city or county files the basis of its determination that the standards are cost-effective with the CEC, and (2) the CEC finds that the locally adopted standards will require the diminution of energy consumption levels permitted by the rules and regulations adopted pursuant to Public Resources Code Sections 25402(a) and (b); and

WHEREAS, California Code of Regulations, Title 24, Part 1, Sections 10-106 establishes a process for local governmental agencies to submit an application to the CEC for a determination that locally adopted building energy efficiency standards meet the requirements set forth in Public Resources Code Section 25402.1(h)(2); and

WHEREAS, The City of Alameda submitted an application to the CEC that included (1) the basis of its determination that the locally adopted energy efficiency standards contained in Ordinance No. 3300 are cost-effective, and (2) documentation that the locally adopted energy efficiency standards contained in Ordinance No. 3300 will require the diminution of energy consumption levels compared to the 2019 Building Energy Efficiency Standards, as required by California Code of Regulations, Title 24, Section 10-106, on June 16, 2021; and

WHEREAS, The CEC has analyzed whether the locally adopted energy efficiency standards contained in Ordinance No. 3300 will require the diminution of energy consumption levels compared to the 2019 Building Energy Efficiency Standards, and determined that it will do so; and

WHEREAS, California Code of Regulations, Title 24, Part 1, Sections 10-106(b) require that the local governmental agency's application include any findings,

determinations, declarations, or reports, including any negative declaration or environmental impact report, required pursuant to the California Environmental Quality Act, Public Resources Code Section 21000 et seq; and

WHEREAS, The City of Alameda, in its application to the CEC, submitted the California Environmental Quality Act documentation required by California Code of Regulations, Title 24, Part 1, Section 10-106(b)(4); and

THEREFORE BE IT RESOLVED, CEC finds the following: (1) the City of Alameda has filed the basis of its determination that the locally adopted energy efficiency standards contained in Ordinance No. 3300 are cost-effective, and (2) Ordinance No. 3300 will require the diminution of energy consumption levels compared to the 2019 Building Energy Efficiency Standards; and


THEREFORE BE IT RESOLVED, that the locally adopted energy efficiency standards contained in City of Alameda's Ordinance No. 3300 satisfy the requirements of Public Resources Code Section 25402.1(h)(2) and Title 24, California Code of Regulations, Sections 10-106; and

FURTHER BE IT RESOLVED that the CEC directs the Executive Director or their designee to take all actions necessary to implement this Resolution.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE: Hochschild, Douglas, McAllister, Monahan, Gunda
NAY: NONE
ABSENT: NONE
ABSTAIN: NONE



Liza Lopez
Secretariat