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| Docket Number: | 24-BSTD-02 |
| Project Title: | 2025 CALGreen Rulemaking |
| TN #: | 256431-1 |
| Document Title: | Notice of Proposed Action – 2025 CALGreen |
| Description: | Notice that the California Energy Commission proposes to adopt changes to the California Green Building Standards Code, Title 24, Part 11 (CALGreen), Appendices A4.2 & A5.2. |
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| Organization: | California Energy Commission |
| Submitter Role: | Commission Staff |
| Submission Date: | 5/16/2024 1:42:35 PM |
| Docketed Date: | 5/16/2024 |

CALIFORNIA ENERGY COMMISSION

715 P Street
Sacramento, California 95814

energy.ca.gov

CEC-057 (Revised 1/21)

**NOTICE OF PROPOSED ACTION****PROPOSED REVISIONS TO THE CALIFORNIA
BUILDING ENERGY EFFICIENCY STANDARDS****2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24,
PART 11**

**Docket No.24-BSTD-02
Notice Published on May 17, 2024**

INTRODUCTION

Notice is hereby given that the California Energy Commission (CEC) proposes changes to the Building Energy Efficiency Standards contained in the California Green Building Standards Code, California Code of Regulations (CCR), Title 24, Part 11 (referenced herein as CALGreen; Part 11; and Title 24, Part 11) after considering all recommendations, comments, and objections regarding the proposed action. A description of the proposed standards is provided in the Informative Digest below.

The CEC has prepared this Notice of Proposed Action (NOPA) and an Initial Statement of Reasons (ISOR) regarding the need for the proposed revisions and has made available all the information upon which its proposal is based. The CEC has also published the Express Terms (45-Day Language) of the proposed amendment language. These documents can be obtained from the contact persons designated below or from the or accessed through the [CEC Website](#).

PUBLIC HEARING AND ADOPTION BY COMMISSION

The CEC will hold a public hearing for the purpose of hearing comments on the proposed standards at the date and time listed below. Interested persons, or their authorized representative, may present oral and written statements, arguments, or contentions relevant to the proposed standards at the public hearing.

**Public Hearing and Proposed Adoption Date
September 11, 2024
10:00 a.m. (Pacific Time)**

REMOTE ATTENDANCE

The public hearing may be accessed by clicking the Zoom link below or visiting [Zoom](#) at <https://join.zoom.us> and entering the ID and password for the workshop listed below. If you experience difficulties joining, you may contact Zoom at (888) 799-9666 ext. 2, or the Office of the Public Advisor, Energy Equity, and Tribal Affairs at publicadvisor@energy.ca.gov or by phone at (916) 957-7910.

Link: <https://zoom.us/>

Meeting ID: 938 6923 0237

Passcode: mtg@10am

To participate by telephone dial (213) 338-8477 or 1-888-475-4499 (toll free). When prompted, enter the Webinar ID and password listed above. To comment or ask a question over the telephone, dial *9 to “raise your hand” and *6 to mute/unmute your phone line.

PUBLIC ADVISOR

The CEC’s Office of the Public Advisor, Energy Equity, and Tribal Affairs provides the public assistance in participating in CEC proceedings. For information on participation or to request interpreting services or reasonable accommodations, reach out via email at publicadvisor@energy.ca.gov, by phone at (916) 957-7910. Requests for interpreting services and reasonable accommodations should be made at least five days in advance. The CEC will work diligently to accommodate all requests.

Zoom: If you experience difficulties with the Zoom platform, please contact the Public Advisor’s office via email or phone.

MEDIA INQUIRIES

Direct media inquiries to the Media and Public Communications Office to (916) 654-4989 or mediaoffice@energy.ca.gov.

WRITTEN PUBLIC COMMENT PERIOD

The written public comment period for the 2025 Green Building Standards will be held from **May 17, 2024, through July 1, 2024**. Any interested person, or their authorized representative, may submit written comments to the CEC for consideration on or prior to **July 1, 2024**. The CEC appreciates receiving written comments at the earliest possible date. Comments submitted outside this comment period are considered untimely. The CEC may, but is not required to, respond to untimely comments.

The CEC encourages use of its electronic commenting system. Visit the e-commenting page on the [CEC Website](#) which links to the comment page for this docket. Enter your contact information and a comment title describing the subject of your comment(s). Comments may be included in the “Comment Text” box or attached as a downloadable, searchable document consistent with California Code of Regulations, Title 20, Section, 1208.1. The maximum file size allowed is 10 MB.

Written comments may also be submitted by email. Include docket number 24-BSTD-02 and “2025 CALGreen” in the subject line and email to docket@energy.ca.gov.

A paper copy may be sent to:

California Energy Commission
Docket Unit
Docket No.24-BSTD-02
715 P Street, MS-4
Sacramento, CA 95814

Written and oral comments, attachments, and associated contact information (including address, phone number, and email address) will become part of the public record of this proceeding with access available via any internet search engine.

To ensure you receive notice of any changes to the proposed regulatory changes in this proceeding, please follow the instructions provided at the end of this notice to join the proceeding email [subscription list](#) or provide a valid email or mailing address with your comments.

POST-HEARING MODIFICATIONS TO THE TEXT OF THE REGULATIONS

Pursuant to Government Code Section 11346.5(a)(18), following the written public comment period and the public hearing, the CEC may adopt the proposed building standards substantially as proposed in this notice or with modifications that are sufficiently related to the original proposed text and notice of proposed changes. If substantive modifications are made, the full text of the proposed modifications, clearly indicated, will be made available to the public for at least 15 days prior to the date on which CEC adopts, amends, or repeals the regulation(s). The CEC will accept written comments on the modified building standards during the 15-day period.

STATUTORY AUTHORITY AND REFERENCE

The CEC proposes to adopt these regulations under the authority granted by Public Resources Code (PRC) Sections 25213, 25218, 25218.5, 25402, subdivisions (a)—(b), 25402.1, 25402.4, 25402.5, 25402.8, 25910, 25942, and 25943.

The CEC proposes to implement, interpret, or make specific PRC Sections 25007, 25008, 25310, 25402, subdivisions (a)-(b), 25402.1, 25402.4, 25402.5, 25910, 25942, and 25943, and Health and Safety Code Sections 18390, 18934, and 18935.

INFORMATIVE DIGEST

The Warren-Alquist Act (California PRC Sections 25001 et seq.) establishes the CEC as California’s primary energy policy and planning agency. PRC 25213, 25218, 25218.5, 25402, 25402.1, 25402.4, 25402.5, 25402.8, 25910, 25942, and 25943 mandate and/or authorize that the CEC adopt rules and regulations, as necessary, to reduce the wasteful, uneconomic, inefficient or unnecessary consumption of energy

and water in newly constructed buildings and certain additions and alterations to existing buildings.

One of the ways the CEC satisfies this requirement is through the California Green Building Standards Code, (CCR, Title 24, Part 11) found in the California Building Standards Code, which are adopted pursuant to Health and Safety Code Sections 18930, 18934, and 18935 and, where applicable, the California Environmental Quality Act and the California PRC Sections 21000 *et seq.* As a part of the California Building Standards Code, CALGreen follows the same three-year update cycle.

Therefore, the CEC proposes to update the voluntary energy efficiency provisions of the California Green Building Standards Code (CCR, Title 24, Part 11). The proposed changes for Part 11 are amendments to example or model code language that are intended as templates and examples for local jurisdictions to use in considering above-code ordinances; the proposed changes do not have regulatory effect as local jurisdictions are not compelled to use or follow these examples. The CEC proposes to adopt the following amendments:

- Introduce new sections for alterations to existing residential buildings and nonresidential buildings.
- Introduce new standards for altered space conditioning systems in existing single-family homes.
- Introduce new standards for altered pool and/or spa heating equipment in both multifamily and nonresidential existing buildings.
- Update performance compliance margins for newly constructed single-family homes.
- Introduce outdoor lighting standards for newly constructed residential buildings and residential additions.
- Update outdoor lighting standards for newly constructed nonresidential buildings and nonresidential additions.
- Remove Renewable Energy Section from the nonresidential appendix A5.
- Rename Energy Efficient Steel Framing section to Energy Efficient Framing.

COMPARABLE FEDERAL STATUTE OR REGULATIONS

The CEC has determined that there are no existing comparable federal regulations or statutes.

POLICY STATEMENT OVERVIEW

The changes proposed in this rulemaking are updates to the voluntary energy efficiency provisions of CALGreen. These voluntary guidelines, contained in Title 24, Part 11 of the California Code of Regulations, go beyond the mandatory standards in Title 24, Part 6 of the California Code of Regulations.

Evaluation of Inconsistency or Incompatibility with Existing State Regulations

The CEC has conducted an evaluation of other state regulations in this area and has determined that the proposed standards are neither inconsistent nor incompatible with

existing state regulations. The CEC is the sole state agency authorized to promulgate building energy efficiency standards.

OTHER MATTERS PRESCRIBED BY STATUTE APPLICABLE TO THE AGENCY OR TO ANY SPECIFIC REGULATION OR CLASS OF REGULATIONS

None

MANDATE ON LOCAL AGENCIES OR SCHOOL DISTRICTS

The CEC has determined that the proposed regulatory action would not impose a mandate on local agencies or school districts.

ESTIMATE OF COST OR SAVINGS

An estimate, prepared in accordance with instructions adopted by Department of Finance, of cost or savings to any state agency, local agency, or school district.

- A. Cost or Savings to any state agency: **None.**
- B. Cost to any local agency required to be reimbursed under Part 7 (commencing with Section 17500) of Division 4: **None.**
- C. Cost to any school district required to be reimbursed under Part 7 (commencing with Section 17500) of Division 4: **None.**
- D. Other nondiscretionary cost or savings imposed on local agencies: **None.**
- E. Cost or savings in federal funding to the state: **None.**

Estimate: There are no estimated costs or savings associated with the proposed regulations because compliance with the CCR, Title 24, Part 11 provisions are voluntary, not required.

INITIAL DETERMINATION OF NO SIGNIFICANT STATEWIDE ADVERSE ECONOMIC IMPACT ON BUSINESSES, INCLUDING ABILITY OF CALIFORNIA BUSINESSES TO COMPETE WITH BUSINESSES IN OTHER STATES

The CEC has made an initial determination that the proposed regulations are unlikely to have a significant statewide adverse economic impact on businesses, including the ability of California businesses to compete with businesses in other states.

The proposed regulations take additional steps in meeting California's energy resource conservation goals through updates to the voluntary energy efficiency provisions of the California Green Building Standards Code (CCR, Title 24, Part 11). The proposed amendments to the voluntary provisions are unlikely to create cost impacts due to their voluntary nature. Statewide businesses may, but are not required to, comply with voluntary provisions. To the extent that actions taken by local agencies may include, modify, or not include all or part of the voluntary provisions, those actions would be subject to existing laws relating to the evaluation and disclosure of impacts of actions by those local agencies. While local agencies may use the provisions in CALGreen as templates or examples for drafting of local ordinances, such agencies are not required to adhere to the specific language or requirements in CALGreen. Consideration of

potential future actions taken by local agencies is therefore speculative and is not included in the assessment of the effects of the proposed standards.

DECLARATION OF EVIDENCE

The basis for the CEC findings of no impacts is that the California Green Building Standards are voluntary provisions.

DOCUMENTS INCORPORATED BY REFERENCE

The CEC is not proposing to incorporate by reference any documents.

FINDING OF NECESSITY FOR THE PUBLIC'S HEALTH, SAFETY, OR WELFARE

The proposed regulations do not impose a new reporting requirement.

COST IMPACTS ON REPRESENTATIVE PERSON OR BUSINESS

The CEC is not aware of any cost impacts that a representative private person or business would necessarily incur in reasonable compliance with the proposed action.

The proposed regulations take additional steps in meeting California's energy resource conservation goals through updates to the voluntary energy efficiency provisions of CALGreen (CCR, Title 24, Part 11). The proposed amendments to the voluntary provisions are unlikely to create cost impacts due to their voluntary nature. Businesses may, but are not required, to comply with voluntary provisions. To the extent that actions taken by local agencies may include, modify, or not include all or part of the voluntary provisions, those actions would be subject to existing laws relating to the evaluation and disclosure of impacts of actions by those local agencies. While local agencies may use the provisions in CALGreen as templates or examples for drafting of local ordinances, such agencies are not required to adhere to the specific language or requirements in CALGreen. Consideration of potential future actions taken by local agencies is therefore speculative and is not included in the assessment of the effects of the proposed standards.

ASSESSMENT OF EFFECT OF REGULATIONS UPON JOBS AND BUSINESS EXPANSION, ELIMINATION OR CREATION

The CEC has assessed whether or not and to what extent this proposal will affect the following:

The creation or elimination of jobs within the State of California.

The proposed regulations take additional steps in meeting California's energy resource conservation goals through updates to the voluntary energy efficiency provisions of the California Green Building Standards Code (CCR, Title 24, Part 11). The proposed amendments to the voluntary provisions are unlikely to create or eliminate jobs due to their voluntary nature.

Businesses may, but are not required to, comply with voluntary provisions. To the extent that actions taken by local agencies may include, modify, or not include all or part of the voluntary provisions, those actions would be subject to existing laws relating to the evaluation and disclosure of impacts of actions by those local agencies. While local agencies may use the provisions in CALGreen as templates or examples for drafting of local ordinances, such agencies are not required to adhere to the specific language or requirements in CALGreen. Consideration of potential future actions taken by local agencies is therefore speculative and is not included in the assessment of the effects of the proposed standards. Therefore, the CEC has determined it is unlikely any jobs will be created or eliminated as a result of the proposed regulation.

The creation of new businesses or the elimination of existing businesses within the State of California.

The proposed regulations take additional steps in meeting California’s energy resource conservation goals through updates to the voluntary energy efficiency provisions of the California Green Building Standards Code (CCR, Title 24, Part 11). The proposed amendments to the voluntary provisions are unlikely to create or eliminate businesses due to their voluntary nature.

Businesses may, but are not required to, comply with voluntary provisions. To the extent that actions taken by local agencies may include, modify, or not include all or part of the voluntary provisions, those actions would be subject to existing laws relating to the evaluation and disclosure of impacts of actions by those local agencies. While local agencies may use the provisions in CALGreen as templates or examples for drafting of local ordinances, such agencies are not required to adhere to the specific language or requirements in CALGreen. Consideration of potential future actions taken by local agencies is therefore speculative and is not included in the assessment of the effects of the proposed standards. Therefore, the CEC has determined it is unlikely businesses will be eliminated or created as a result of the proposed regulation.

The expansion of businesses currently doing business within the State of California.

The proposed regulations take additional steps in meeting California’s energy resource conservation goals through updates to the voluntary energy efficiency provisions of the California Green Building Standards Code (CCR, Title 24, Part 11). The proposed amendments to the voluntary provisions are unlikely to result in the expansion of businesses due to their voluntary nature.

Businesses may, but are not required to, comply with voluntary provisions. To the extent that actions taken by local agencies may include, modify, or not include all or part of the voluntary provisions, those actions would be subject to existing laws relating to the evaluation and disclosure of impacts of actions by those local agencies. While local agencies may use the provisions in CALGreen as templates or examples

for drafting of local ordinances, such agencies are not required to adhere to the specific language or requirements in CALGreen. Consideration of potential future actions taken by local agencies is therefore speculative and is not included in the assessment of the effects of the proposed standards. Therefore, the CEC has determined it is unlikely businesses will expand as a result of the proposed regulation

The benefits of the regulation to the health and welfare of California residents, worker safety, and the state’s environment.

The proposed updates to CALGreen will have no adverse effect on health, welfare, worker safety, or the environment. The updates may encourage consideration and adoption of local ordinances relating to energy efficiency in buildings, and such ordinances, if adopted, may have positive impacts on health, welfare, and the environment known to result from energy efficiency. However, as such impacts are speculative, they are not considered in this rulemaking.

ESTIMATED COST OF COMPLIANCE OF STANDARDS THAT WOULD IMPACT HOUSING

There are no estimated costs or savings associated with the proposed regulations because compliance with the proposed CALGreen provisions are voluntary, not required.

CONSIDERATION OF ALTERNATIVES

Since 1975, legislative enactments and state energy policies have directed the CEC to adopt cost-effective building standards to reduce wasteful, uneconomic, inefficient or unnecessary consumption of energy and thereby improve the state’s economy, energy security, and environment. The CEC has been presented with and has considered multiple alternatives to the proposed standards; however, at this time, no reasonable alternatives to the proposed regulations have been proposed that would lessen any adverse impact on small businesses or that would be less burdensome and equally effective in achieving the purposes of the regulation in a manner that achieves the purposes of the statute being implemented.

The proposed regulations take additional steps in meeting California’s energy resource conservation goals by updating the voluntary energy efficiency provisions of the California Green Building Standards Code (CCR, Title 24, Part 11) and directing readers to existing standards for the benefit of readers that may not be aware of or familiar with Energy Code requirements.

The CEC invites interested persons to present statements, arguments, or data concerning alternatives to the proposed standards at the scheduled hearing or during the written comment period.

AVAILABILITY OF RULEMAKING DOCUMENTS

The CEC maintains a website to facilitate public access to documents prepared and considered as part of this rulemaking proceeding. Documents prepared by the CEC for this rulemaking have been posted on the [CEC Website](#).

The CEC will have the entire rulemaking file available for inspection and copying throughout the rulemaking process at the address below. As of the date this notice is published in the Notice Register, the rulemaking file consists of this Notice, the Express Terms, the Initial Statement of Reasons (ISOR), the Economic and Fiscal Impact Statement (STD. 399), any documents relied upon, and any documents incorporated by reference. Copies may be obtained by contacting Corrine Fishman at the email address below or accessed through the [CEC Website](#).

At the conclusion of the rulemaking, persons may obtain a copy of the Final Statement of Reasons (FSOR), once it has been prepared, by visiting the [CEC Website](#) or by contacting the contact person listed below.

CONTACT PERSON FOR PROCEDURAL AND ADMINISTRATIVE QUESTIONS

Please direct general inquiries concerning aspects of the rulemaking process to:

Corrine Fishman, MA
Regulations Manager
Efficiency Division
corrine.fishman@energy.ca.gov

PROPOSING STATE AGENCY CONTACT PERSON FOR SUBSTANTIVE AND/OR TECHNICAL QUESTIONS ON THE PROPOSED CHANGES TO BUILDING STANDARDS

Specific questions regarding the substantive and/or technical aspects of the proposed changes to the building standards should be addressed to:

Payam Bozorgchami, PE
Senior Civil Engineer
Building Standards Branch
payam.bozorgchami@energy.ca.gov

INSTRUCTIONS FOR RECEIVING NOTICES AND DOCUMENTS IN THIS PROCEEDING

To stay informed about this project and receive documents and notices of upcoming workshops and hearings as they are filed, please subscribe to the Building Energy Efficiency Standards [subscription list](#).

The [subscription list](#) sends out email notifications and direct links when documents and notices are filed in the proceeding docket. If you are unable or do not wish to sign

up for the subscription list but still would like to receive documents and notices, please contact the contact person listed above in this notice.

