

**DOCKETED**

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**CALIFORNIA ENERGY COMMISSION**

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CEC-057 (Revised 1/21)



## **Notice of Public Comment Period**

### **2022 Energy Code Compliance Software and Supporting Documents**

### **22-BSTD-02**

California Energy Commission (CEC) staff are soliciting public comment on draft guidance documents and implementation tools to support the 2022 update to the Building Energy Efficiency Standards (Energy Code) (California Code of Regulations, Title 24, Parts 1 and 6). The documents under development are the Single Family Residential Buildings Alternative Calculation Method (ACM) Reference Manual and the Nonresidential and Multifamily Buildings ACM Reference Manual. The tools under development are the public domain energy code compliance software used for the performance approach of the Energy Code.

#### **Background**

The CEC adopted the 2022 update to the Energy Code on August 11, 2021. Subsequently, the standards were approved by the California Building Standards Commission on December 14, 2021. The ACM Reference Manuals and the public domain energy code compliance software are key resources to support the Energy Code. They are expected to be certified by the CEC no later than 180 days after approval of the standards by the California Building Standards Commission.

Further information regarding the 2022 Energy Code update can be found at <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency>.

#### **Single Family Residential Buildings ACM Reference Manual**

Staff has compiled information and invite comments on the following residential topics and materials:

- The draft 2022 Single Family Residential Building ACM Reference Manual, which explains the procedures involved in determining the energy budgets for the Standard Design and Proposed Design buildings.
- An introduction to the 2022 California Building Energy Code Compliance (CBECC) Residential software which, once approved, will be the state's residential single family residential public domain compliance software program.
- What's New for 2022?

- Summary of Changes for 2022
- Requirements for low-rise multifamily buildings moved to Nonresidential and Multifamily Buildings ACM Reference Manual
- Energy Design Rating (EDR) Metric – EDR1 and EDR2
- Photovoltaic (PV) Requirements and Exceptions
- Demand Response Measures
- CBECC-Res Onscreen Reports
- 2022 Standard Design
- The phases and anticipated timeline for the single family public domain software and ACM Reference Manual development and approval.

### **Nonresidential and Multifamily Buildings ACM Reference Manual**

Staff has compiled information and invite comments on the following nonresidential and multifamily topics and materials:

- The draft 2022 Nonresidential and Multifamily Buildings ACM Reference Manual, which explains the procedures involved in determining the energy budgets of the Standard Design and Proposed Design buildings.
- An introduction to the 2022 CBECC software which, once approved, will be the CEC's nonresidential and multifamily public domain compliance software program.
- What's new for 2022?
  - 2022 Compliance Metrics
    - New time dependent valuation energy, total and efficiency-only, and hourly source energy compliance targets
  - Restructured multifamily under single user interface
    - All multifamily performance compliance (high and low rise) is now integrated into a single user interface, CBECC (previously CBECC-Com). Multifamily standard designs and proposed design input restrictions are documented in the new Chapter 6 of the 2022 Nonresidential and Multifamily Buildings ACM Reference Manual.
  - Nonresidential
    - Summary of 2022 code updates in the software
  - Multifamily
    - Summary of 2022 code updates in the software
    - Features and limitations of restructured multifamily software
    - Link to introduction video covering the restructured multifamily user interface
- The phases and anticipated timeline for the nonresidential and multifamily public domain software and ACM Reference Manual development and approval.

### **Public Comment**

Written comments should be submitted to the Docket Unit by 5:00pm on April 11, 2022.

Please note that your written comments, attachments, and associated content information (e.g., address, phone number, email address, etc.) become part of the viewable public record. This information may be available via internet search engines.

The CEC encourages use of its electronic commenting system. Visit the website at <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=22-BSTD-02>.

This will take you to the page for adding comments to this docket. Please enter your contact information, any organization name, and a comment title describing the subject of your comments. You may include comments in the box titled "Comment Text" or attach a file in a downloadable, searchable downloadable, searchable document consistent with California Code of Regulations, Title 20, Section 1208.1. Maximum file size is 10 MB.

Written comments may also be submitted by emailing them (include the docket number 22-BSTD-02 and "2022 Energy Code Compliance Software and Supporting Documents" in the subject line) to the Docket Unit at [docket@energy.ca.gov](mailto:docket@energy.ca.gov).

If you prefer, you may send a paper copy of your comments to:

California Energy Commission  
Docket Unit, MS-4  
Re: Docket No. 22-BSTD-02  
715 P Street  
Sacramento, CA 95814-5504

### **Public Advisor and Other Commission Contacts**

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Direct questions on the subject matter of this notice to Haile Bucaneg at (916) 903-4685, or by email at [haile.bucaneg@energy.ca.gov](mailto:haile.bucaneg@energy.ca.gov).

**Availability of Documents**

Draft copies of the ACM Reference Manuals and presentations, along with links to the compliance software, are available free on the CEC website at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-BSTD-02>.

To ensure you stay up to date and receive all documents and notices regarding the ACM Reference Manuals and compliance software, please subscribe to the Building Energy Efficiency Standards list serve. The list serve sends out email notifications and direct links when documents and notices are filed in the proceeding docket. To subscribe to the Building Energy Efficiency Standards list serve, please follow the instructions provided at [https://ww2.energy.ca.gov/listservers/index\\_cms.html](https://ww2.energy.ca.gov/listservers/index_cms.html).