

## DOCKETED

<b>Docket Number:</b>	16-BSTD-03
<b>Project Title:</b>	Updates to the 2016 Residential Alternative Calculation Method Reference Manual and Software
<b>TN #:</b>	210552
<b>Document Title:</b>	Notice of Staff Workshop Updates to the 2016 Building Energy Efficiency Standards Residential Alternative Calculation Method
<b>Description:</b>	2016 ACM Reference Manual and Compliance Software Updates
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<b>Organization:</b>	California Energy Commission
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<b>Docketed Date:</b>	2/29/2016



In the matter of:	)	Docket No. [16-BSTD-03]
	)	
2016 Building Energy Efficiency Standards	)	NOTICE OF WORKSHOP
Residential ACM Reference Manual and	)	RE: 2016 ACM Reference
Compliance Software	)	Manual and Compliance Software
	)	Updates

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## **Notice of Staff Workshop** **Updates to the 2016 *Building Energy Efficiency Standards Residential Alternative Calculation Method Reference Manual* and Compliance Software Tools**

California Energy Commission staff will conduct a workshop to present updates and solicit public comment on draft guidance documents and implementation tools to execute the *2016 Building Energy Efficiency Standards* (Standards) (California Code of Regulations, Title 24, Parts 1 and 6). The document under development is the *Residential Alternative Calculation Method (ACM) Reference Manual*, and the tool is the public domain compliance software, CBECC-Res, used under the performance approach in the Standards.

The workshop will be held:

**Tuesday, March 29, 2016**  
 10:00 a.m.  
 CALIFORNIA ENERGY COMMISSION  
 1516 Ninth Street  
 First Floor, Art Rosenfeld Hearing Room  
 Sacramento, CA 95814  
 (Wheelchair accessible)

Remote Access Available by Computer or Phone via WebEx™  
 (Instructions below.)

### **Background**

The Energy Commission adopted the 2016 Standards on June 10, 2015. Staff has developed the *Residential ACM Reference Manual* and compliance software to support the Standards on November 12, 2015. This workshop is to discuss phase two of the software development. This second phase is designed to implement the voluntary energy provisions of the California Green Building Standards Code (CALGreen). Minor updates to this version will also be discussed.

## **Residential Alternative Calculation Method (ACM)**

### **Purpose**

Staff will present information and invite discussion on the following residential topics and materials:

- Energy Design Rating (meets CALGreen voluntary tiers)
- Integrated PV calculator to determine PV system impact on the Energy Design Rating
- Revised water heating calculations
  - Improved simulation of heat pump water heater efficiency
  - Updated hot water draw schedules
- Updated calculation of internal gains and miscellaneous energy use
- California Building Energy Code Compliance Residential (CBECC-Res) software demonstrating the above topics.

Workshop participants will be given the opportunity to ask questions and comment on the information presented.

### **Agenda**

The agenda and related documents will be posted at:

[www.energy.ca.gov/title24/2016standards/postadoption/documents/](http://www.energy.ca.gov/title24/2016standards/postadoption/documents/).

### **Public Comment**

Oral comments. Staff will accept oral comments during the workshop. Comments may be limited to three minutes per speaker. Any comments may become part of the public record in this proceeding.

Written comments. Written comments are encouraged. They should be submitted by 5:00 p.m. on April 12, 2016. Please submit comments to the Energy Commission using the e-commenting feature at:

<https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=16-BSTD-03>.

A full name, email address, comment title, and either a comment or an attached document (.doc, .docx, or .pdf format) are mandatory. After a challenge-response test used by the system to ensure that responses are generated by a human user, click on the "Agree & Submit Your Comment" button to submit the comment to the Energy Commission's Dockets Unit.

Please note that your written and oral comments, attachments, and associated contact information (e.g., your address, phone, email, etc.) become part of the viewable public record. This information may become available via Google, Yahoo, and any other search engines.

You are encouraged to use the electronic filing system to submit comments. If you are unable to submit electronically, a paper copy of your comments may be sent to:

Docket Unit  
California Energy Commission  
Docket No. 16-BSTD-03  
1516 9th Street, MS-4  
Sacramento, CA 95814

Comments may also be submitted by email. Please include your name and any organization name. Comments should be in a downloadable, searchable format such as .doc, .docx, or .pdf. Please include the docket number 16-BSTD-03 and indicate "March 29, 2016 Workshop – 2016 ACM Reference Manual and Compliance Software" in the subject line. Send comments to: [docket@energy.ca.gov](mailto:docket@energy.ca.gov).

### **Public Adviser and Other Commission Contacts**

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission proceedings. If you want information on how to participate in this forum, please contact Public Adviser, Alana Mathews, at [PublicAdviser@energy.ca.gov](mailto:PublicAdviser@energy.ca.gov) or (916) 654-4489 (toll free at (800) 822-6228).

If you have a disability and require assistance to participate, please contact Lou Quiroz at [lquiroz@energy.ca.gov](mailto:lquiroz@energy.ca.gov) or (916) 654-5146 at least five days in advance.

Media inquiries should be sent to the Media and Public Communications Office at [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov) or (916) 654-4989.

If you have questions on the subject matter of this meeting, please contact Larry Froess at [larry.froess@energy.ca.gov](mailto:larry.froess@energy.ca.gov) or (916) 654-4525.

### **Remote Attendance**

You may participate in this meeting through WebEx, the Energy Commission's online meeting service. Presentations will appear on your computer screen, and you may listen to audio via your computer or telephone. Please be aware that the meeting may be recorded.

**To join the meeting:**

VIA COMPUTER: Go to <https://energy.webex.com> and enter the unique meeting number: 922 666 960. When prompted, enter your name and the following meeting password: meeting@10

1. The “Join Conference” menu will offer you a choice of audio connections.
2. To call into the meeting: Select "I will call in" and follow the on-screen directions.
3. International Attendees: Click on the "Global call-in number" link.
4. To have WebEx call you: Enter your phone number and click "Call Me."
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VIA MOBILE ACCESS: Access to WebEx meetings is available from your mobile device. To download an app, go to [www.webex.com/products/web-conferencing/mobile.html](http://www.webex.com/products/web-conferencing/mobile.html).

If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239.

Date: February 22, 2016  
List Server: (efficiency, buildingstandards)