

**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street  
Sacramento, California 95814

Main website: [www.energy.ca.gov](http://www.energy.ca.gov)



## Notice of Staff Webinar

### Draft Evaluation Report of Compliance Option for **ALTHERMA AIR-TO-WATER SOURCE HEAT PUMP**

The California Energy Commission staff will conduct a public webinar to discuss the Draft Evaluation Report to approve the *Staff Proposed Efficiency Inputs for the Daikin AC (Americas), Inc. Altherma Air-to-Water Source Heat Pump System*. The proposed efficiency inputs are to be used for demonstrating compliance for residential buildings.

The compliance option proposed in this report is consistent with the compliance options procedures in Section 10-109 of the Building Energy Efficiency Standards (Standards) and will provide new efficiency ratings to be used for the Altherma system. The Altherma Air-To-Water Source Heat Pump can provide heating, cooling and domestic water heating.

The Daikin application for a compliance option is complete and all compliance information necessary to implement the proposed efficiency ratings for the Altherma system are included in Attachment 1 of the Draft Evaluation Report.

**NOVEMBER 30, 2011**

10 am – 12 noon

CALIFORNIA ENERGY COMMISSION

Webinar only

Audio from this meeting will be broadcast over the Internet.

For details, please go to:

[www.energy.ca.gov/webcast](http://www.energy.ca.gov/webcast)

### Remote Attendance and Availability of Documents

**Internet Webcast** - Presentations and audio for the meeting will be broadcast via the Energy Commission's WebEx web meeting service. For details on how to participate via WebEx, please see the "Remote Attendance" section toward the end of this notice.

This notice, the workshop agenda, and other related documents will be posted to the project website:

[http://www.energy.ca.gov/title24/2008standards/special\\_case\\_appliance/](http://www.energy.ca.gov/title24/2008standards/special_case_appliance/). Interested

persons may sign up on a list server at that website to receive email updates about the review of this compliance option application.

## **Purpose**

Space conditioning and water heating equipment used to show compliance with the Standards must meet federally mandated efficiency levels. However, the Department of Energy (DOE) has determined that current federal efficiency test procedures do not apply to the Altherma Air-to-Water Source Heat Pump. Hence, this system does not have efficiency descriptors to use for showing compliance with the Standards.

In 2009, the DOE granted Daikin an exemption for the Altherma appliance from using the federal efficiency test procedures. Exemptions are given to appliances that have a design or function that cannot be measured using existing testing procedures.

Staff seeks the public's input on the Draft Evaluation Report and the attachment to this report that provides staff's proposed notification to building departments and the building industry of new efficiency ratings that would be allowed for the Altherma Air-to-Water Source Heat Pump system should the Energy Commission approve this compliance option. This document, *Staff Proposed Efficiency Inputs for the Daikin AC (Americas), Inc. Altherma Air-to-Water Source Heat Pump System*, also specifies necessary modeling inputs to be used when demonstrating compliance using the performance approach for residential buildings.

## **Background**

Title 24, Part 1, Section 10-109, allows for the introduction of new compliance approaches, which cannot be properly accounted for in the current adopted regulation. The Energy Commission encourages the use of energy saving techniques, designs, and procedures for showing compliance with the Standards that are approved by the Energy Commission through the compliances options approval process.

## **Written Comments**

Written comments should be submitted by 5:00 p.m. on November 30, 2011.

The Energy Commission encourages comments by e-mail. Please include your name, organization and contact information. The comments should be provided in either Microsoft Word format or in Portable Document Format (PDF) as an attachment to the e-mail. The comments that you attach to your e-mail should be on your organization's letterhead and include a signature. Please provide written comments by e-mail to David W. Ware at [dware@energy.state.ca.us]. Interested persons may also send comments by postal mail. Please hand deliver or mail an original and ten copies of the comments to:

David W. Ware  
California Energy Commission  
1516 Ninth Street, MS 37  
Sacramento, CA 95814-5512

Please include your name, organization, and contact information.

## **Public Participation**

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission activities. If you would like information on how to participate in this forum, please contact the Public Adviser's Office at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or by e-mail at [PublicAdviser@energy.state.ca.us]. If you have a disability and require assistance to participate, please contact Lou Quiroz at (916) 654-5146 at least five days in advance.

Please direct all news media inquiries to the Media and Public Communications Office at (916) 654-4989, or by e-mail at [mediaoffice@energy.state.ca.us]. If you have questions on the technical subject matter of this meeting, please call David W. Ware at (916) 654-4168.

## **Remote Attendance**

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

### **Computer Log-on with Telephone Audio:**

Please go to <https://energy.webex.com> and enter the unique meeting number:  
**928 380 279**

1. When prompted, enter your name other information as directed and the meeting password: **cec@1516**
2. After you log-in, a prompt will ask for your phone number. If you wish to have WebEx call you back, enter your phone number. This will put your name on the participating by WebEx. If you do not wish to do that, click cancel, and go to step four. Or, if your company uses a switchboard-type of phone system where your line is an extension, click cancel and go to step 4.
3. If you do not want WebEx to call you back, then call 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the meeting number above and your unique Attendee ID number, which is listed in the top left area of your

screen after you login via computer. International callers can dial in using the "Show all global call-in numbers" link (also in the top left area).

**Telephone Only (No Computer Access):**

1. Call 1-866-469-3239 (toll-free in the U.S. and Canada) and when prompted enter the unique meeting number above. International callers can select their number from <https://energy.webex.com/energy/globalcallin.php>.

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

Date: November 30, 2011

Mail Lists: (efficiency)