

**DOCKETED**

<b>Docket Number:</b>	19-BSTD-02
<b>Project Title:</b>	Residential Alternative Calculation Method Variable Capacity Heat Pump Modeling Approach
<b>TN #:</b>	230233
<b>Document Title:</b>	Notice of Availability and Public Comment Period
<b>Description:</b>	Notice of availability and public comment period for the Variable Capacity Heat Pump performance compliance option. Public comment period ends Friday, November 8, 2019.
<b>Filer:</b>	Adrian Ownby
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
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**CALIFORNIA ENERGY COMMISSION**

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CEC-57 (Revised 1/19)



## **Notice of Availability and Public Comment Period**

### **Variable Capacity Heat Pump (VCHP) Performance Compliance Option – Support Materials**

#### **Docket # 19-BSTD-02**

California Energy Commission (CEC) staff is posting support materials to Docket # 19-BSTD-02 for the proposed variable capacity heat pump (VCHP) performance compliance option and accompanying compliance software. Staff requests that written comments be submitted no later than Friday, November 8, 2019. The VCHP performance compliance option will be presented for approval at the November 13, 2019, business meeting.

#### **Background**

VCHP systems are not currently credited with better than the minimum seasonal energy efficiency ratings (SEER) and heating season performance factors (HSPF) when complying with the performance standards in the California Title 24, Part 6 due to uncertainty regarding their installed performance.

VCHPs have been studied in the Central Valley Research Homes (CVRH) Project, a multi-year effort to test residential energy efficiency measures and technologies in four unoccupied, highly instrumented homes of different vintages in Stockton, California.

To address VCHP manufacturer's requests for a performance credit for VCHP systems, the data generated in the CVRH projects was used to develop algorithms for VCHP system performance compliance option. The compliance option incorporates additional VCHP efficiency credit calculation capabilities into the Title 24 performance compliance software.

Staff presented the VCHP compliance option proposal and accompanying software at a public workshop on February 15, 2019. Subsequent to the public workshop, CEC staff has prepared a report that clarifies eligibility requirements and provides support materials such as new compliance documents and field verification procedures that will be necessary for implementing the proposed compliance option.

All documents posted to the docket may be viewed at:  
<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-BSTD-02>.

## Public Comment

**Written comments:** Written comments may be submitted to the CEC in advance of the business meeting scheduled to occur on November 13, 2019; staff requests that written comments be submitted no later than Friday, November 8, 2019 to provide time for staff review. Written or oral comments may also be submitted at the business meeting.

Written comments, attachments, and associated contact information (e.g. address, phone number, email address) become part of the viewable public record. This information may also become available via any Internet search engine.

The CEC encourages use of its electronic commenting system. Visit <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=19-BSTD-02> , which links to the comment page for this docket. Select or enter a proceeding to be taken to the "Add Comment" page. 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 in a downloadable, searchable Microsoft® Word (.doc, .docx) or Adobe® Acrobat® (.pdf) file. Maximum file size is 10 MB.

Written comments may also be submitted by email. Include the docket number 19-BSTD-02 and Residential Alternative Calculation Method Variable Capacity Heat Pump Modeling Approach in the subject line and send to [docket@energy.ca.gov](mailto:docket@energy.ca.gov).

If preferred, a paper copy may be submitted to:

California Energy Commission

Docket Unit, MS-4  
Re: Docket No. 19-BSTD-02  
1516 Ninth Street  
Sacramento, CA 95814-5512

## Public Participation

The CEC's Public Advisor's Office provides the public assistance in participating in CEC activities. If you want information on how to participate in this forum, please contact Public Advisor, Noemí O. Gallardo, at (916) 654-4489 or toll free at (800) 822-6228, or by email at [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov).

Please direct all news media inquiries to the Media and Public Communications Office at (916) 654-4989, or by email at [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov).

If you have questions on the subject matter of this notice, please contact Jeff Miller at (916) 651-6182, or by email at [jeff.miller@energy.ca.gov](mailto:jeff.miller@energy.ca.gov).

**Business Meeting:** The business meeting agenda which includes information to assist public participation may be viewed at:  
<https://www.energy.ca.gov/proceedings/business-meetings>.

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