

DOCKETED	
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Project Title:	Heat Pump Water Heater Demand Management Systems
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Document Title:	Notice of Availability Compliance Option for Heat Pump Water Heater Demand Management Systems
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CALIFORNIA ENERGY COMMISSION

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CEC-57 (Revised 1/19)

**Notice of Availability and Public Comment Period****Docket No. 19-BTSD-09****Compliance Option Application for
Heat Pump Water Heater Demand Management Systems****Purpose**

The California Energy Commission (CEC) has posted this application for approval of a compliance option for demonstrating compliance with the *2019 Building Energy Efficiency Standards* (Energy Code), pursuant to California Code of Regulations, Title 24, Part 1, Chapter 10, Sections 10-109 and 10-110. The application has been determined to be complete by CEC staff, including all the supporting information necessary to demonstrate the potential Time Dependent Valuation energy savings for Heat Pump Water Heater Demand Management Systems. A mandatory public review period is required.

The CEC seeks public comments on the proposed compliance option. In particular, the CEC is interested in public feedback on whether the proposed Joint Appendix 13 Heat Pump Water Heater Demand Management Systems specification is technically feasible and appropriate, and should be used as the basis for compliance credit toward meeting performance-based compliance with the Energy Code.

The full application is available for download on the CEC's docket website at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-BSTD-09>.

Background

Heat pump water heaters can store energy in the form of hot water at times when electric demand is low or when renewable electricity is abundant (such as in the middle of the day), and avoid using electricity during grid peak demand times while still meeting customer hot water demands. Doing so potentially results in reduced utility bills, enhanced grid balancing, and a reduction in greenhouse gas emissions compared to heat pump water heaters that lack demand managing controls.

A compliance credit for heat pump water heaters with demand management control functions will encourage adoption of this technology by builders in new construction in California, creating market transformation for load-shifting water heaters while also

recognizing the benefit these functions bring to consumers. The proposed specification provides a clear set of design requirements for manufacturers, enabling them to bring products to market to meet the demand for demand-flexible heat pump water heaters and spur adoption of this technology in California and beyond.

Public Comments

Written comments should be submitted by: **5:00 p.m. on March 23, 2020.**

If you wish to submit comments on the application, please submit them using the e-commenting feature on the CEC's webpage at <https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=19-BTSD-09>.

A full name, email address, comment title, and either a comment or an attached document (.doc, .docx, or .pdf format) is mandatory. After a challenge response test used by the system to ensure that responses are generated by a human user and not a computer, click on the "Agree & Submit Your Comment" button to submit the comment to the Commission Docket Unit.

You are encouraged to use the electronic filing system described above to submit comments. If you are unable or do not wish to submit electronically, a paper copy of your comments, including the docket number **19-BSTD-09** and indicating "Heat Pump Water Heater Demand Management Systems" may be sent to:

Docket Unit
California Energy Commission
Docket No. 19-BSTD-09
1516 9th Street, MS-4
Sacramento, CA 95814

Or, email them to: docket@energy.ca.gov

Please note that your e-comments, emails, written letters, any attachments and associated contact information (for example, address, phone number, and email address) become part of the viewable public record. Additionally, this information may become available via internet search engines.

The proposal and supporting materials can be downloaded at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-BSTD-09>.

Public Participation

The CEC's Public Adviser's Office provides the public assistance in participating in Energy Commission activities. If you want information on how to participate in this forum, please contact Public Adviser Noemi Gallardo, at (916) 654-4489 or toll free at (800) 822-6228, or by email at publicadviser@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.

If you have questions on the subject matter of this notice, please contact Danny Tam at (916) 654-2817, or by email at danny.tam@energy.ca.gov.