



SEPTEMBER 2016

## Invitation to CPUC Webinar and Request for Comments on the HVAC Roadmap Update

To all parties in R.13-11-005,

**Commission staff is seeking comments on the HVAC Roadmap Update by Friday, September 16, 2016 by COB.**

To help inform comments Commission staff and its consultant DNV-GL will be hosting a webinar to present reports and address questions on **Thursday, September 1, 2016 between 10am and 12pm.**

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### Summary

#### **HVAC 4 Deemed Measures Uncertainty Year 2 Report**

This study set out to advance the understanding of the uncertainty associated with ex ante energy savings in California by estimating the corresponding standard deviations for a few key HVAC measures. This report provides the methodology developed by the team as well as the results from the second year of this study. The measures studied include three that are not captured by the separate (but related) impact evaluations of the Quality Installation, Quality Maintenance, or the upstream HVAC programs: residential furnaces, nonresidential boilers, and VFDs at nonresidential HVAC fans. By using Monte Carlo simulations, DEER prototype eQUEST models, and data gathered through various studies, the uncertainty around the ex ante savings for a single building type within a single climate zone was estimated for each measure. In addition, the input parameters that were the leading drivers of the uncertainty for the ex ante savings associated with each of the studied measure cases were determined and reported. Finally, the report provides recommendations for further study that might be performed through relevant evaluations or additional data collection efforts.

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### How to file comments

By August 23, 2016, the draft report can be downloaded from [www.energydataweb.com/cpuc/](http://www.energydataweb.com/cpuc/).

Select the search tab and then search text "HVAC4" (no quotes). Click the search button

and you will see the files for downloading including past research plans and reports.

Comments should be uploaded to the website by clicking “comment” on the plan by **5pm on September 16, 2016**. In order to post comments, you will need to register on the site with an ID and password.

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## Webinar Details

**Thursday, September 1, 2016 at 10am**

You are invited to a meeting using Unified Meeting 5. This webinar will be recorded.

**To join the meeting, click here:** <https://my.intercall.com/5103883996>

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Not on the web? Call in on your phone:

**United States Toll Free:** (877) 715-1531  
**Standard International Dial-In:** (706) 679-1947  
**Conference Code:** 5103883996#

iPhone and Android:

<tel:+17066791947>, [5103883996#](tel:+15103883996)

<tel:+18777151531>, [5103883996#](tel:+15103883996)

In the event of any problems or questions, contact Peter Biermayer at [Peter.Biermayer@cpuc.ca.gov](mailto:Peter.Biermayer@cpuc.ca.gov) telephone 415-703-2384 and/or Jarred Metoyer at [Jarred.Metoyer@dnvql.com](mailto:Jarred.Metoyer@dnvql.com)

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## WHPA Resources

Visit the WHPA’s [Regulatory Policy Activity and Resources page](#) for more information on California regulations and policies, and the WHPA [HVAC Research](#) page to review research on important HVAC topics.

*Shea Dibble*

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The Western HVAC Performance Alliance was established in 2009. About 260 organizations in 26 stakeholder categories are working together to help transform from the residential and small commercial HVAC industry to ensure that technology, equipment, installation and maintenance are of the highest quality to promote energy efficiency and peak load reduction. In this role the WHPA provides input to California Investor-Owned Utilities. For more information, contact [info@performancealliance.org](mailto:info@performancealliance.org).

