



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, D.C. 20460

OFFICE OF  
AIR AND RADIATION

November 21, 2016

Dear ENERGY STAR® Connected Thermostat (CT) Provider or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is pleased to share the Final Draft Version 1.0 ENERGY STAR Method to Demonstrate Connected Thermostat Field Savings (CT Savings Method). The Agency appreciates the thought and time stakeholders have invested in helping us improve the CT Savings Method. EPA plans to finalize this Version 1.0 CT Savings Method in December 2016, slightly ahead of finalizing the Version 1.0 Connected Thermostat Specification.

The Final Draft CT Savings Method was developed based on comments received on Draft 2 and during subsequent stakeholder discussions. EPA received the most feedback regarding the number of CT installations that should be included in the analysis. First, stakeholders expressed concern that the flexibility for CT providers to choose a sample size presented an opportunity for gaming. There was a robust discussion of methods to mitigate this problem. Second, stakeholders were concerned about the practicality of requiring a certain sample size after filtering out CTs with unphysical results or poor fit. In this Final Draft, EPA proposes a fixed sample size of 250 CTs per climate zone at the input. This allows for 60% attrition while still meeting the Draft 2 proposal of 100 CTs after filtering. This level of attrition seems to be rare, according to our CT service provider stakeholders. The Final Draft also proposes that CT service providers with fewer than 250 CTs in a climate zone are free to submit data that includes all of their installations in that climate zone.

In addition, EPA has made a number of clarifications and modifications, reflecting increased certainty about the software tools and the ENERGY STAR CT specification. For instance, language that permits certification of product families was added, and clarification was added that the software is unable to evaluate savings in homes with dual-fuel heating systems.

EPA addresses these and additional stakeholder comments in Draft 2 in note boxes found throughout the Final Draft CT Field Savings Method.

**Submitting Comments**

Any final written comments may be sent to [ConnectedThermostats@energystar.gov](mailto:ConnectedThermostats@energystar.gov) by **December 7, 2016**. All comments will be posted to the ENERGY STAR Product Development website unless the submitter requests otherwise.

To track EPA's progress in developing the ENERGY STAR Connected Thermostats specification and the CT Field Savings Method, visit the Product Development website at [www.energystar.gov/newspeccs](http://www.energystar.gov/newspeccs) and click on "Connected Thermostats".

Please direct any specific questions to Abigail Daken at EPA, [daken.abigail@epa.gov](mailto:daken.abigail@epa.gov) or 202-343-9375, or Doug Frazee at ICF I, [douglas.frazee@icf.com](mailto:douglas.frazee@icf.com) or 443-333-9267. Thank you for taking the time to review this draft specification. I look forward to continuing to working with you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Abigail Daken".

Abigail Daken  
U.S. Environmental Protection Agency  
ENERGY STAR HVAC Program