



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

OFFICE OF
AIR AND RADIATION

January 6, 2017

Dear ENERGY STAR® Automatic Commercial Ice Maker Manufacturer or Other Interested Party:

With this letter, the U.S. Environmental Protection Agency (EPA) is pleased to share the Draft 1 Version 3.0 ENERGY STAR Automatic Commercial Ice Maker (ACIM) specification. Stakeholders are encouraged to submit comments to EPA no later than February 3, 2017.

Given the U.S. Department of Energy's (DOE) minimum federal standards were revised and have an effective date of January 1, 2018, EPA is proposing new ENERGY STAR performance levels for ACIM products. In addition, EPA estimates that the market penetration for ENERGY STAR certified ACIMs is over 60%, based on the *ENERGY STAR Unit Shipment and Market Penetration Report Calendar Year 2015 Summary*. EPA believes the efficiency criteria proposed in this Draft 1 specification will offer significant energy savings relative to standard products in the marketplace.

The primary objectives of this revision are to: 1) amend the applicable terms and definitions to align with DOE's Final Rule for ACIMs, and 2) lower the maximum energy use (kWh/100 Lbs. Ice) performance criteria levels. Additional changes are highlighted in the note boxes throughout the draft specification.

Overview of Draft 1 Proposal

EPA discussed proposed changes to the specification during the Version 3.0 launch webinar held on September 1, 2016. Stakeholders provided feedback on the performance data, and additional information for EPA's evaluation and consideration prior to the release of this Draft 1 specification. The data assembled for the energy performance analysis used for the proposed levels derive from the current ENERGY STAR Product Finder and the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) database. Key Elements of the Draft 1 Version 3.0 include:

1. Definitions

In accordance with DOE's final rule, EPA amended several terms and definitions relevant to this specification.

2. Revised Certification Criteria

This draft specification includes proposed maximum energy use performance levels based on a dataset of nearly 200 unique models. Eligible products for this specification remain largely unchanged. While the scope continues to include batch- and continuous-type self-contained, ice-making head, and remote condensing ACIM products, the harvest rate ranges have been slightly expanded in some sub-categories.

3. Additional Refrigerant Reporting Requirement

EPA has added an additional reporting requirement for the type of refrigerant used in certified products. The Agency understands this information may be valuable to operators and end-users, therefore EPA plans to share this information publicly on the ENERGY STAR Product Finder.

4. Connected Functionality

Optional criteria for connected functionality for ACIMs are introduced in this specification. EPA plans to work with stakeholders through this specification revision to develop final criteria, which will provide the requirements products would need to meet in order to be identified as having connected functionality on the ENERGY STAR Product Finder.

Draft 1 Stakeholder Webinar

EPA will host a web based meeting to discuss the Draft 1 specification, and feedback received during the comment period, on January 25, 2017. Stakeholders interested in participating in the discussion should RSVP to icemachines@energystar.gov.

Submittal of Written Comments

Stakeholders are encouraged to submit written comments on the Draft 1 Version 3.0 specification to icemachines@energystar.gov by February 3, 2017. All comments will be posted to the ENERGY STAR Product Development website unless the submitter requests otherwise.

To track EPA's progress in revising the ENERGY STAR ACIM specification, visit the Product Development website at www.energystar.gov/revisedspecs. All specification development materials, including data plots to support the Draft 1 proposal, will be posted to this website.

Please feel free to contact me at (202) 564-2984 and Hesla.Kirsten@epa.gov or Adam Spitz, ICF, at (916) 231-7685 and Adam.Spitz@icf.com with any questions regarding this specification or ENERGY STAR Partnership. For test procedure questions, please contact Ashley Armstrong, DOE, at (202) 586-6590 and Ashley.Armstrong@ee.doe.gov.

Sincerely,



Kirsten Hesla, Product Manager
ENERGY STAR Commercial Food Service