



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

OFFICE OF  
AIR AND RADIATION

March 24, 2016

Dear ENERGY STAR® Commercial Refrigerator and Freezer Manufacturer or Other Interested Party:

With this letter, the U.S. Environmental Protection Agency (EPA) is pleased to share the Draft 1 Version 4.0 ENERGY STAR Commercial Refrigerator and Freezer specification. Stakeholders are encouraged to submit comments to EPA no later than April 19, 2016.

Given the U.S. Department of Energy (DOE) minimum federal standards were revised and have an effective date of March 27, 2017, EPA is proposing new ENERGY STAR performance levels for commercial refrigeration equipment (CRE). EPA believes the efficiency criteria proposed in this Draft 1 specification will offer significant energy savings and better differentiation relative to standard products in the marketplace.

The primary objectives of this revision are to: 1) lower the maximum daily energy consumption (MDEC) performance criteria levels, and 2) amend the applicable terms and definitions to align with DOE's Final Rule for CRE. Changes are highlighted in the note boxes throughout the draft specification. Key Elements of the Draft 1 Version 4.0 include:

**Definitions**

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

**Revised Certification Criteria**

This draft specification includes proposed MDEC levels based on a dataset of nearly 700 models and identifies a few available pathways to achieving increased efficiency of CRE, including enhanced efficiency lighting, improved insulation, and the incorporation of alternative refrigerants. The scope of this Draft 1 specification remains unchanged from Version 3.0. As such, commercial vertical and horizontal, self-contained refrigerators and freezers continue to be eligible for ENERGY STAR certification.

**Submitting Comments**

Stakeholders who wish to provide written comments may send them to [commercialrefrigeration@energystar.gov](mailto:commercialrefrigeration@energystar.gov) by **April 19, 2016**. All comments will be posted to the ENERGY STAR Product Development website unless the submitter requests otherwise.

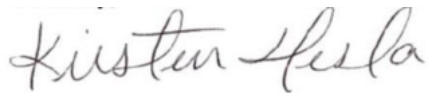
**Stakeholder Webinar to Discuss Draft 1**

EPA will host a webinar on April 21, 2016 at 1:00p.m. (EST) to discuss the Draft 1 specification. You may register to participate by visiting the [webinar registration link](#).

All comments received will be posted to the ENERGY STAR Commercial Refrigerators and Freezers specification development webpage, which can be accessed through [www.energystar.gov/revisedspecs](http://www.energystar.gov/revisedspecs) (click on the Commercial Refrigerators & Freezers "Version 4.0 is in development" link), unless the submitter requests otherwise.

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

Sincerely,

A handwritten signature in cursive script that reads "Kirsten Hesla".

Kirsten Hesla, Product Manager  
ENERGY STAR Commercial Food Service