March 9, 2020

Dear ENERGY STAR® Brand Owner or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is releasing the final ENERGY STAR Emerging Technology Award criteria for a new 2020 product category: Refrigerators with Advanced Adaptive Compressors. With this letter EPA is also extending the 2019 product category, Air to Water Heat Pumps, for another year.

In response to input from stakeholders, the initial draft criteria for Advanced Adaptive Compressors have been revised as follows:

- EPA clarified that the product must outperform the measured Annual Energy Consumption for the Federal Minimum Standard by 30%. This change was necessary to account for icemaker use, which would produce inaccurate results unless measured energy consumption is used.
- For testing under Option 2 listed in the criteria, EPA is now specifying the energy consumption measurement for comparison is from the steady-state portion of the DOE 10 CFR 430, Subpart B Appendix A – Residential Refrigerators test method. As a result, EPA noted that the steady-state energy consumption should be measured, per Section 5.2.1 of the test method, with all compartment temperature controls set at their median position midway between their warmest and coldest settings.

All documents associated with the Advanced Adaptive Compressors criteria can be found on the ENERGY STAR Emerging Technology for Industry Stakeholders webpage.

**Award Application Process**

Manufacturers with products that meet the Award criteria may immediately begin submitting the necessary documentation to emergingtech@energystar.gov for EPA review. Award-winning products will be recognized upon determination that all Award criteria have been satisfied. Note that multiple products are eligible for the Award. All recognized, Award-winning products will be listed on energystar.gov on the list of ENERGY STAR Emerging Technology Award winners for Advanced Adaptive Compressors.

**2019 Air-to-Water Heat Pumps Category**

This letter also serves as notice that EPA is extending recognition of the 2019 Award category – Air-to-Water Heat Pumps – into 2020. EPA has updated the criteria to allow for commercial Air-to-Water Heat Pumps (those with a rated cooling capacity greater than 65,000 Btu/h). Please see www.energystar.gov/emergingtech for Award criteria and instructions for new submissions.

If you have any questions about the Award, the criteria development process, or marketing and promotion of Award-winning products, please contact me, Peter Banwell, at banwell.peter@epa.gov and (202) 343-9408, or Emmy Feldman at emmy.feldman@icf.com and (202) 862-1145.

Sincerely,
Peter Banwell
Senior Manager, ENERGY STAR Product Marketing

Enclosures:
Final Criteria for Advanced Adaptive Compressors
Updated Final Criteria for Air-to-Water Heat Pumps