



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

OFFICE OF
AIR AND RADIATION

November 14, 2016

Dear ENERGY STAR® Commercial Boiler Manufacturer or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is pleased to share the Final Draft Version 1.0 ENERGY STAR Commercial Boilers specification. The Agency appreciates the time and effort industry stakeholders have invested to contribute detailed feedback to inform the specification development process. EPA plans to finalize this Version 1.0 Commercial Boilers specification in December 2016. The specification will go into effect immediately upon release.

The Final Draft specification was developed based on comments received on the Interim Proposal and subsequent stakeholder discussions and research. EPA received feedback on the following areas, as discussed below.

Scope: In response to Draft 1 stakeholder requests, EPA removed the maximum capacity limit of 2,500,000 Btu/h in the Interim Proposal; however, upon further stakeholder feedback, the industry's opinion has evolved and several stakeholders suggest continuing to limit the scope to boilers no greater than 2,500,000 Btu/h. In addition, concerns arose about the availability of independent test labs to test them. EPA has reverted the capacity limit and clarified that only packaged commercial boilers under 2,500,000 Btu/h fall under the scope of the Version 1.0 specification.

Qualification Criteria:

- **Combustion Efficiency (CE):** EPA included the performance criteria, CE, for boilers above 2,500,000 Btu/h and proposed to set the criteria at 95.0% in the Interim Proposal; however, since the scope has been limited to 2,500,000 Btu/h boilers, the CE criteria has been removed.
- **Thermal Efficiency (TE):** There is no change made to the 94.0% TE criteria, as proposed in Draft 1.

Reporting Requirement:

- **Safety Certifications:** EPA has added a requirement that any safety certification held by boilers be reported so this information can be shared as part of our qualifying product list.

EPA addresses these and additional stakeholder comments on Draft 1 in note boxes found throughout the Final Draft specification.

In parallel with developing the specification, EPA is developing a system design guide aimed at building owners and operators to educate them broadly, in an easy to digest format, about the

opportunities for efficiency in a boiler system. EPA will consult with stakeholders in developing and disseminating the guide.

Submitting Comments

Any final written comments may be sent to Commercialboilers@energystar.gov by **November 30, 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 Commercial Boilers specification, visit the Product Development website at www.energystar.gov/newspeccs and click on "Commercial Boilers".

Please direct any specific questions to Abigail Daken at EPA, daken.abigail@epa.gov or 202-343-9375. Thank you for taking the time to review this draft specification. I look forward to continue working with you.

Sincerely,



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