BSR/ASHRAE/IES Addendum dj
to ANSI/ASHRAE/IES Standard 90.1-2025

Public Review Draft

Proposed Addendum dj to Standard 90.1-2025, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

Third Public Review (November 2026)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

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FOREWORD

This independent substantive change to draft addendum dj adds a high-efficiency boiler systems and multi-boiler systems with heat exchangers as a path for compliance. It also updates the exception for boilers to only apply to existing pools where pool heating is provided by a central plant boiler that is much larger than a boiler serving only the pool load would be.

A commenter to the second public review suggested that the term continuously burning pilot light suggests that the term "continuously burning pilot light" be replaced with the industry standard term "standing pilot light." This change is editorial and does not substantively change the standard.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous draft are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.]

Addendum dj 3rd PR ISC to 90.1-2025

7.4.5 Pool Heaters Electric switches and Ignition pilots. Electric switches and ignition pilots shall comply with Section 7.4.5.1.1 through Section 7.4.5.1.2.

…

7.4.5.2 Ignition pilots. *Pool* heaters fired by natural gas shall not have ~~continuously burning pilot lights~~standing pilots.

7.4.5.4. Primary heating system efficiency. Other than supplementary and back-up heating systems, primary *pool* heating *systems* shall comply with Section 7.4.5.4.1. Supplementary and back-up heating *system* controls shall comply with Section 7.4.5.4.5.

Exceptions to 7.4.5.4:

…

8. Existing ~~P~~*pools* heated with central plant boilers that meet efficiency requirements in Table 6.8.1-6 or Table 7.4-1 that serve loads other than the pool and its ancillary facilities and have a *nameplate rating* input capacity not less than 200 percent of that needed for a boiler sized in accordance with 7.4.5.4.3.
9. ~~or e~~Existing *pools* heated by district thermal energy heating systems.
10. *Pools* with a *power safety cover*.

7.4.5.4.1 Primary heating system. The primary *pool* heating *system*, or the primary source of heat for the hydronic *system* that heats the *pool*, shall be one of the following.

…

c. A gas pool heater or *boiler* shall meet one of the following: ~~be installed with a~~
   1. Have an *efficiency* ~~*rating*~~ not less than 90 percent E_t ~~or~~
   2. Where there are multiple boilers or a central boiler system with multiple boilers, meet the efficiency requirements of Section 7.5.3, regardless of the system input capacity.
   3. a consumer gas pool heater with an *equipment* rating not less than 90 percent TE_I.

Where an outdoor or partially outdoor *pool* is provided with a supplemental heater*, the* primary gas pool heater shall be sized in accordance with 7.4.5.4.3.

…