

BSR/ASHRAE/IES Addendum br to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum br to

Standard 90.1-2022, Energy Standard

for Sites and Buildings Except Low-

Rise Residential Buildings

First Public Review (December 2024) (Draft Shows Proposed Changes to Current Standard)

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FOREWORD

This addendum provides an optional method to comply with the graphical display of the monitoring requirement.

No cost effectiveness analysis was conducted because the addendum only provides an optional method to comply with the requirement.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by <u>underlining</u> (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 current standard 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 changes.]

Addendum br to 90.1-2022

8.4.3 Electrical Energy Monitoring

8.4.3.1 Monitoring. Measurement devices shall be installed in new *buildings* to monitor the electrical *energy* use for each of the following separately:

- a. Total electrical *energy*
- b. HVAC systems
- c. Interior lighting
- d. Exterior lighting
- e. Receptacle circuits
- f. Refrigeration systems

For *buildings* with tenants, these *systems* shall be separately monitored for the total *building* and (excluding shared *systems*) for each individual tenant.

Exception to 8.4.3.1: Where the design load of any of the categories (b) through (f) are less than 10% of the whole-building load, these categories shall be allowed to be combined with other categories.

8.4.3.2 Recording and Reporting. The electrical *energy* use for all loads specified in Section 8.4.3.1 shall be recorded a minimum of every 15 minutes and reported at least hourly, daily, monthly, and annually. The data for each tenant *space* shall be made available to that tenant. In *buildings* with a digital control *system* installed to comply with Section 6.4.3.10, the *energy* use data shall be transmitted to the digital control *system* <u>or other</u>

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<u>data acquisition system</u> and graphically displayed. The *system* shall be capable of maintaining all data collected for a minimum of 36 months.

Exceptions to 8.4.3.1 and 8.4.3.2:

- 1. Building less than $25,000 \text{ ft}^2$.
- 2. Individual tenant *spaces* less than 10,000 ft².
- 3. *Dwelling units*.
- 4. *Residential buildings* with less than 10,000 ft^2 of common area.
- 5. Critical equipment and life-safety branches of NFPA 70, Article 517.