



**BSR/ASHRAE/IES Addendum cp  
to ANSI/ASHRAE/IES Standard 90.1-2022**

**Public Review Draft**

# **Proposed Addendum cp to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings**

**First Public Review (April 2025)  
(Draft Shows Proposed Changes to Current Standard)**

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## **FOREWORD**

*This addendum clarifies that the gross lighted floor area in multifamily buildings does not include the area dwelling spaces.*

*This addresses an unofficial interpretation and is consistent with other codes.*

*This addendum also adds another unofficial interpretation related to power and energy recording and reporting interpretation.*

*The cost – effectiveness analysis was not needed as this is a clarification of an existing requirement.*

***[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 cp to 90.1-2022

Modify the section 8.4 as follows:

**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~~ in not more than 15-minute intervals 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* and graphically displayed. The *system* shall be capable of maintaining all data collected for a ~~minimum of~~ not less than 36 months.

**Exceptions to 8.4.3.1 and 8.4.3.2:**

1. *Building* less than 25,000 ft<sup>2</sup>.
2. Individual tenant *spaces* less than 10,000 ft<sup>2</sup>.
3. *Dwelling units*.
4. ~~Residential~~ Multifamily *buildings* with less than 10,000 ft<sup>2</sup> of ~~common area~~ gross floor area excluding dwelling units.
5. Critical *equipment* and life-safety branches of NFPA 70, Article 517.

[...]

Modify the section 9.5 as follows:

**9.5 Prescriptive Compliance Path.** Interior lighting power shall comply with either Section 9.5.1 or 9.5.2.

Lighting control requirements shall comply with Section 9.4.1 and Tables 9.4.1-1 and 9.4.1-2.

Exterior lighting power shall comply with Section 9.5.3. Trade-offs between the *installed interior lighting power* and *installed exterior lighting power* are not allowed.

**9.5.1 Building Area Method Compliance Path.** Use the following steps to determine the *interior lighting power allowance* by the Building Area Method:

- a. Determine the appropriate *building* area type from Table 9.5.1 and the corresponding *LPD* value. For *building* area types not listed, selection of a reasonably equivalent type shall be permitted.
- b. Determine the *gross lighted floor area* in ft<sup>2</sup> of the *building* area type. For multifamily buildings, the gross lighted floor area does not include the area of the dwelling units.
- c. Multiply the *gross lighted floor areas* of the *building* area types times the *LPD* value.

[...]

Modify the table 9.5.1 as follows:

- 9.5.1 **Building Area Method Compliance Path.** Use the following steps to determine the *interior lighting power allowance* by the Building Area Method:

**Table 9.5.1 Lighting Power Density Using the Building Area Method**

Building Area Type <sup>a</sup>	LPD, W/ft <sup>2</sup>
...	...
Manufacturing facility	0.77
Motion picture theater	0.39
Multifamily <sup>b</sup>	0.44
Museum	0.52
...	...

- a. In cases where both a general *building* area type and a specific *building* area type are listed, the specific *building* area type shall apply.
- b. Do not include the area of the dwelling units in the gross lighted floor area.

[...]

*Modify the table 10.4 as follows:*

**10.4.7.2 Recording and Reporting.** The energy use of each *building* on the *building site* shall be recorded ~~at a minimum of~~ in not more than every 60-minute ~~intervals~~ and reported ~~at least~~ hourly, daily, monthly, and annually. The recording system shall be capable of maintaining all data collected for ~~a minimum of~~ not less than 36 months and creating user reports showing ~~at least~~ hourly, daily, monthly, and annual intervals *energy consumption and demand*. [...]

**Exceptions to 10.4.7.1 and 10.4.7.2:**

1. *Buildings* or additions less than 25,000 ft<sup>2</sup>.
2. Individual tenant *spaces* less than 10,000 ft<sup>2</sup>.
3. *Dwelling units*.
4. ~~Residential~~ Multifamily *buildings* with less than 10,000 ft<sup>2</sup> ~~of common area~~. gross floor area excluding dwelling units.
5. Fuel used for on-site emergency equipment.

[...]

*Modify the table 9.5.1 as follows (SI):*

**9.5.1 Building Area Method Compliance Path.** Use the following steps to determine the *interior lighting power allowance* by the Building Area Method:

**Table 9.5.1 Lighting Power Density Using the Building Area Method**

Building Area Type <sup>a</sup>	LPD, W/m <sup>2</sup>
...	...
Manufacturing facility	8.3
Motion picture theater	4.2
Multifamily	4.7
Museum	5.6
...	...

- a. In cases where both a general *building* area type and a specific *building* area type are listed, the specific *building* area type shall apply.
- b. Do not include the area of the dwelling spaces in the gross lighted floor area.