



**BSR/ASHRAE/IES Addendum g
to ANSI/ASHRAE/IES Standard 100-2018**

First Public Review Draft

Proposed Addendum g to Standard 100-2018, Energy Efficiency in Existing Buildings

**First Public Review (June 2022)
(Draft shows Proposed Changes to Current Standard)**

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FOREWORD

This proposed addendum revises Section 5.2.1 to simplify and clarify the descriptive language for net energy consumption, deletes the existing Figure 5-1 illustrating the net energy use concept and replaces it with a new Figure 5-1, and deletes the existing Table 5-1 completely as it does not add any useful information with respect to a building's net energy consumption.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strike through~~ (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 g to Standard 100-2018

Modify Section 5 as shown. The remainder of Section is unchanged.

5. ENERGY MANAGEMENT PLAN

[...]

5.2 Building Energy Monitoring...

- 5.2.1** Provide measured *net energy* consumption data for each *building*, including all forms of imported and exported energy from at least 12 consecutive months of data monitored in a period not to exceed two years prior to the efficiency audit. The *net energy* concept is illustrated in Figure 5-1 ~~and Table 5-1~~ and is calculated in accordance with Section 5.2.4 ~~as follows~~:

Net energy use = Energy Delivered to the Building – Excess Energy Exported from Building for Beneficial Use

$$\text{Net energy use} = (1a + 1b + 1c + 1d) - (3a + 3b + 3c + 3d + 3e)$$

where 1a, 1b, 1c, and 1d are metered energy supplies that are used in the *building* (this includes bulk energy sources), and 3a, 3b, 3c, 3d, and 3e are metered energy excesses that are supplied to another *building* or grid as useful energy.

[...]

Note to Reviewers: Existing Figure 5-1, “Net Energy Concept,” is deleted and replaced in its entirety by a new Figure 5-1, “Net Energy Concept” as shown.

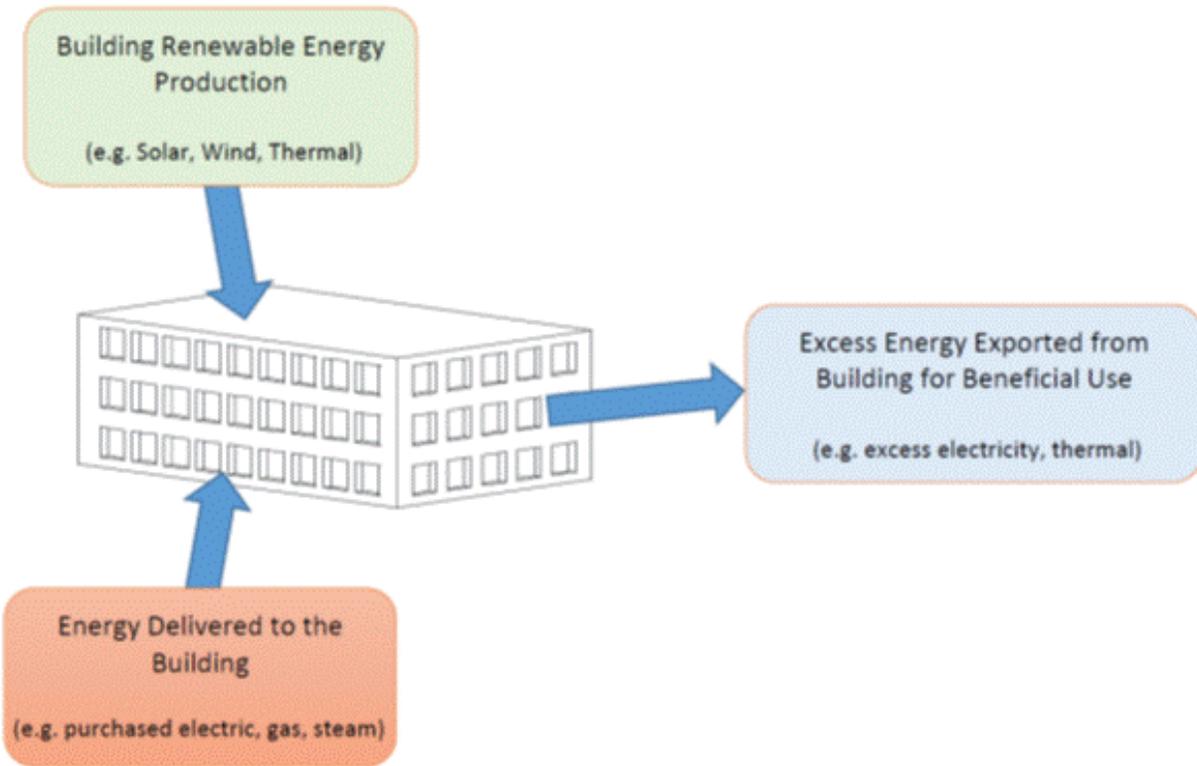


FIGURE 5-1 Net Energy Concept

Note to Reviewers: Table 5-1, "Energy Flow Definitions," is deleted in its entirety.