

**ERRATA SHEET FOR
ANSI/ASHRAE/ICC/USGBC/IES STANDARD 189.1-2023
Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings**

January 24, 2024

The corrections listed in this errata sheet apply to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2023. The first printing is identified on the outside back cover as “Product code:86900 11/23

Page Errata

27 Table 6.3.2.3 Recirculating Water Properties for Open-Circuit Cooling-Tower Construction.

Revise Table 6.3.2.3 as shown below.

(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

Recirculating Water Parameters	Maximum Value
Conductivity (micro-ohms <u>μS/cm</u>)-	3300
Total dissolved solids (ppm)	2050
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36 Table 7.4.1.1 Renewable Energy Requirement

Revise Table 7.4.1.1 as shown below.

(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

Building Type	Standard Renewables Approach	
	kBtu/ft²·y	kWh/m²·y
Office	14	44
Retail	24	74
School	19	61
Health care	40	126
Restaurant	40	126
Hotel	34	108
Apartment	22	68
Warehouse	8	26
All others	25	80

37 Table 7.4.1.2 Multipliers for Renewable Energy Procurement Methods.

Revise Table 7.4.1.2 as shown below.

(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

Location	Renewable Energy Source	Renewable Energy Factor
On-site	<i>On-site renewable energy system</i>	1.00
Off-site	Off-site renewable energy system owned by the <i>building project owner</i>	0.75

	<u>Community renewable energy facility</u> <u>Community renewable energy facility</u>	0.75
	<i>Financial renewable power purchase agreement</i>	0.75
	<i>Physical renewable power purchase agreement</i>	0.75

77 Section 9.5.1 Reduced Impact Materials. Revise Section 9.5.1 as shown below.
(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

9.5.1 Reduced Impact Materials. The *building project* shall comply with any one two of the following: Sections 9.5.1.1, 9.5.1.2, 9.5.1.3, or 9.5.1.4. Calculations shall only include materials *permanently installed* in the project. A value of 45% of the total construction cost shall be permitted to be used in lieu of the actual total cost of materials.

81 Section 10.3.1.2 Activities Prior to Building Permit for Facilities Using the FPT Process. Revise Section 10.3.1.2 as shown below.
(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

10.3.1.2 Activities Prior to Building Permit for Facilities Using the FPT Process. The following activities shall be completed before a permit is issued for any system requiring *FPT*:

a. Designate *FPT providers*. For systems that are required to comply with Section 10.3.1, *FPT providers* shall be *owner's* qualified employees, independent *commissioning (Cx) providers*, or qualified designers experienced with *FPT* on the designated systems. *FPT providers* shall be independent of the building system *design and construction function* and shall possess ~~possesses~~ the necessary experience and testing equipment.