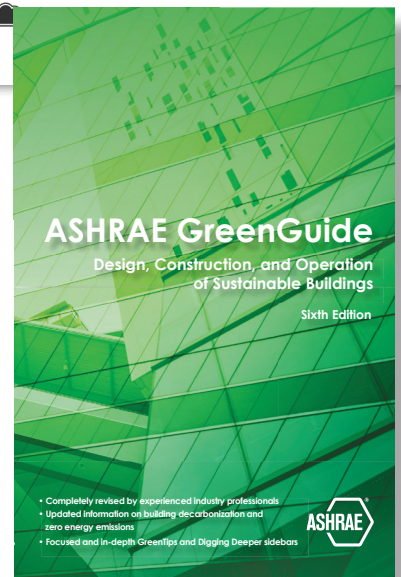
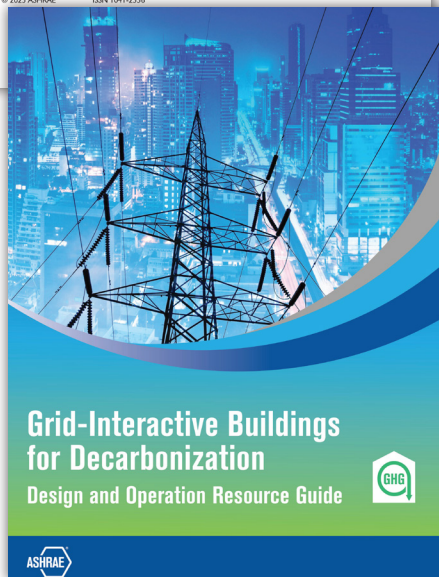
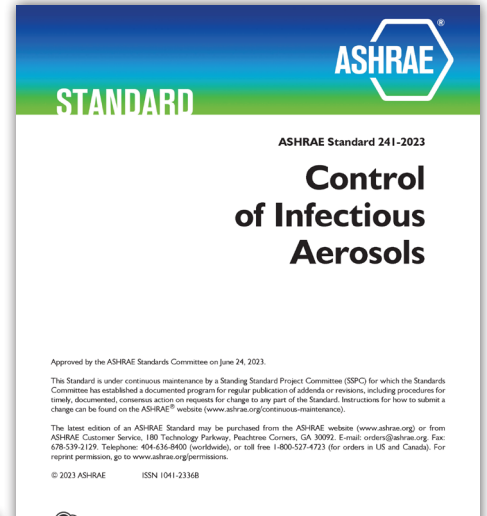
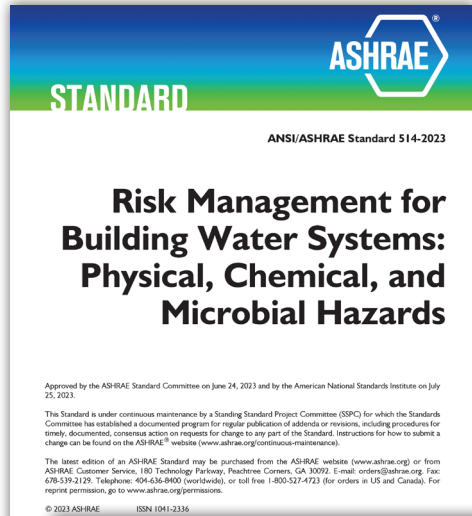
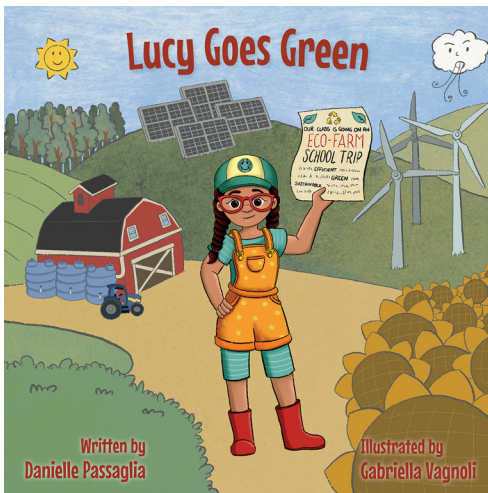




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## Inside You Will Find:

- ASHRAE Publications ..... 3-9
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- ASHRAE Guidelines ..... 15
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See inside for the most current HVAC&R technical literature from ASHRAE and other publishers.



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## STANDARD

**ANSI/ASHRAE Standard 55-2023**  
(Supersedes ANSI/ASHRAE Standard 55-2020)  
Includes ANSI/ASHRAE addenda listed in Appendix N

# Thermal Environmental Conditions for Human Occupancy

See Appendix N for dates of approval by ASHRAE and the American National Standards Institute.

This Standard is under continuous maintenance by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the Standard. Instructions for how to submit a change can be found on the ASHRAE® website ([www.ashrae.org/continuous-maintenance](http://www.ashrae.org/continuous-maintenance)).

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Includes online access to the Compliance Documentation Template for Thermal Comfort (requires Microsoft® Excel®)



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**Product code:** 86537**Standard 158.2-2018, Methods of Testing Capacity of Refrigerant Pressure Regulators\***

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**Product code:** 86410**Standard 161-2018, Air Quality within Commercial Aircraft\***

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Price: \$75 (ASHRAE Member: \$56)

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Price: \$75 (ASHRAE Member: \$56)

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**Product code:** 86761**Standard 174-2022, Method of Test for Rating Desiccant-Based Dehumidification Equipment\***

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**Product code:** 86538**Standard 184-2020, Method of Test for Field Performance of Liquid-Chilling Systems\***

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**Product code:** 86641**Standard 185.2-2020, Method of Testing Ultraviolet Lamps for Use in HVAC&R Units or Air Ducts to Inactivate Microorganisms on Irradiated Surfaces\***

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**Product code:** 96749

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#### Ammonia as a Refrigerant, 3rd ed., IIR

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#### Applied Data Analysis and Modeling for Energy Engineers and Scientists, Springer

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#### Automatic Controls - CIBSE Commissioning Code C

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#### BACnet: The Global Standard for Building Automation and Control Networks, Momentum Press

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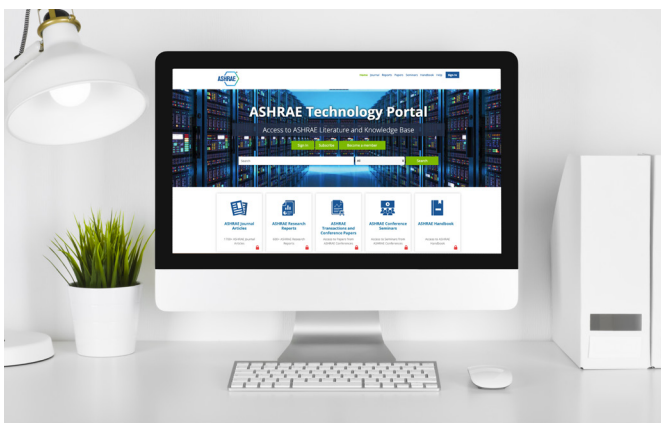
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## STANDARD

ANSI/ASHRAE/IES Standard 90.1-2022  
(Supersedes ANSI/ASHRAE/IES Standard 90.1-2019)  
Includes ANSI/ASHRAE/IES addenda listed in Appendix M

### Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (I-P Edition)

See Informative Appendix M for dates of approval by ASHRAE, the Illuminating Engineering Society, and the American National Standards Institute.

This Standard is under continuous maintenance by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the Standard. Instructions for how to submit a change can be found on the ASHRAE® website ([www.ashrae.org/continuous-maintenance](http://www.ashrae.org/continuous-maintenance)).

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# New Standard 90.1 Arrives with Expanded Scope (Building Sites) and Major First-Time

The newly revised 2022 edition to Standard 90.1 is packed with an expanded scope, additions, and changes critical to meeting or exceeding minimum energy efficiency requirements for sites and buildings, except low-rise residential buildings.

Major additions appearing for the first time in a minimum-efficiency U.S. model energy standard or code at the national level include:

- A minimum prescriptive requirement for on-site renewable energy
- An optional Mechanical System Performance Path allowing HVAC system efficiency tradeoffs based on the new total system performance ratio (TSPR) metric
- New requirements to address the impacts of thermal bridging

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