



ASHRAE ACTIVITY REPORT Prepared for: SPRI

This is a report of recent ASHRAE 189.1 (Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings) and ASHRAE 90.1 (Energy Standard for Buildings Except Low-Rise Residential Buildings) activity as of July 11, 2023.

The Hickman Group attended the ASHRAE Summer meeting in person from June 22-26, 2023 in Tampa, FL. The updates contained in this report cover activity from the conference.

90.1 activity currently tracking for potential impact to AMCA members

Next Scheduled ESC Meeting(s)

- i. current meetings – 2nd/4th Wednesday 12 noon – 2 pm EST (unless noted otherwise)
- ii. Summer ASHRAE meeting Tampa
 - a. Jun 23, 24, 25
- iii. Fall Meeting
 - a. September 15th, 22nd, 29th 11-2 EST

90.1 User's Manual

The ESC picked articles for the User's Manual which include thermal bridging, IMPS, AISI/COFS S250, Appendix X, Wall Solar Reflectance, Air Leakage, Roof Replacements, envelope commissioning, envelope backstop. Still working on.

90.1 Work Plans

The 90.1 Committee and the Envelope Subcommittee developed their 2025 Workplans. See the details at the end of this report.

90.1 Opaque Assembly Task Group

The original purpose and goal of this task group was to develop software to incorporate new regression equations and check coefficients contained in existing software. In January, the ESC chair provided an update on the work with PNNL. A revised excel spread sheet illustrating 2020 RSMMeans building cost data values was distributed to the ESC members for review and comments. The Opaque Assembly Optimization (OAO) spreadsheet was sent out and is currently being reviewed. This was added to the 2025 Work Plan.

Addendum cl: Code Official – *Public Review period ends April 25, 2022*

This addendum involves updating the standard to use the same term for the code official. Motion to publish with KUO failed during continuation ballot. The Format and Compliance subcommittee will be considering next steps. Not published as of July.

90.1 Published Addenda

Addendum av Thermal Bridging

Addendum bi Insulation U-value and R-Value compliance for Roof Replacements

Addendum cc: On-site Renewable Energy

Addendum ap: Energy Credits

ASHRAE Standard 240P

Proposed ASHRAE/ICC Standard 240P - *Evaluating Greenhouse Gas (GHG) and Carbon Emissions in Building Design, Construction and Operation*, will provide a whole life carbon approach to support emissions reductions in buildings. The proposed standard establishes how to measure and verify the greenhouse gas (GHG) and carbon emissions of a building, or group of buildings, over the entire life cycle. The goal is to provide consistent procedures and data to be referenced by policies, codes, and other standards that address new and existing building performance.

The advisory comment period is over. The committee is starting work to address comments, however there will be no written responses to comments

189.1 – Current activity that is tracked with potential impacts to SPRI members.

189.1-2020 Version

The 189.1 2020 version has been published. A read-only copy of the standard can be [found here](#).

189.1 Addenda

- 189.1z EPD (Environmental Product Declarations)

EPD requirements for primary structural products, building products, and reporting of global warming potential contribution. Addendum went out for comment and received several comments. Not published as of July.

189.1 Addendum AK

The Hickman Group submitted a comment to 189.1 Addendum AK to include SPRI in Informative Appendix G.2 (EPDs). The comment was accepted by the main committee during the ASHRAE Summer Meeting.

- 189.1 Published Addenda

- 189.1j Cool walls
- 189.1o Section 5 non-core
- 189.1bk Envelope
- 189.1a Cool Roofs in CZ4
- 189.1aq Greenfield Sites
- 189.1f Invasive plants
- 189.1w Air Tightness

Important Links

Registration is open for the 189.1 meetings. You can find links to register for all of the meetings on the SSPC 189.1 homepage (<http://sspc1891.ashraeecs.org/>). Simply click the blue hyperlink associated with the meeting(s) you would like to join.

All published 90.1-2019 addenda are published at

<https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-addenda/addenda-to-standard-90-1-2019>

All published 189.1-2017 addenda are published at

<https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-addenda>

Addenda under public review can be viewed at <http://osr.ashrae.org/>

Should you have any questions or if you would like more details on anything contained in this report, please do not hesitate to contact me.

Thank you,



Amanda Hickman
President/Consultant



90.1 Full Committee 2025 Work plan

- Efficiency improvement
- Coverage of loads and process not currently regulated
- Controls and operation requirements
- Expand renewal energy - Continued discussion about community renewables and on-site renewables to be treated equally
- Possible JO's: Carbon reduction strategies, electrification and electric readiness, expand requirements for effective interaction with energy resources to facilitate emissions recovery
- Discussing net zero (JO) optional addendum
- Discussing simplified performance rating method

Envelope Subcommittee Work Plan for 2025

Established items to work on this cycle

- Air leakage modeling work group
- Optimization cost spreadsheet – tool to determine most cost-effective combination of materials – work group on opaque assemblies and one on insulation costs
- Fenestration optimization work group
- Thermal bridging work group
- Existing buildings work group
- Wall reflectance work group
- Opaque assemblies