



MEMORANDUM OF UNDERSTANDING
Between the
American Chemistry Council
and
ASHRAE

The American Chemistry Council (ACC) and ASHRAE agree to work cooperatively on projects and activities intended to help improve the health, safety, efficiency and sustainability of the built environment.

ACC member companies represent the business of chemistry in the building and construction sector, innovating and producing the technologies that will improve the performance and environmental impacts of the built environment; the science behind sustainability. ASHRAE's members focus on advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields. Our organizations commit to working together on the following shared objectives:

- Engaging in projects and activities whose purpose is to help improve the health, safety, and welfare of communities through the built environment;
- Supporting the development, adoption, and enforcement of building codes and standards that support those improvement goals;
- Promoting the use of sound science in the development and assessment of building standards and codes.
- Enhancing building performance by fostering improvements in energy efficiency, resiliency, indoor air quality, and the health, well-being, and productivity of building occupants.
- Increasing communication between professionals of the building, design and construction industry and chemistry industry to promote innovation and sustainability.

Founded in 1894, ASHRAE, a non-profit 501(c)(3) corporation, is a professional and technical society that serves humanity by advancing the arts and sciences of heating, ventilation, air-conditioning, refrigeration and their allied fields. ASHRAE's more than 57,000 individual members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing

education, ASHRAE shapes tomorrow's built environment today, and collaborates with many organizations throughout the HVAC&R industry.

The American Chemistry Council (ACC) is America's oldest trade association of its kind, representing more than 170 companies engaged in the business of chemistry—an innovative, economic growth engine that is helping to solve some of the world's biggest challenges. ACC's members are the leading companies engaged in all aspects of the \$553 billion business of chemistry, from the largest corporations to the smallest, and everything in between. They are the people and companies creating the groundbreaking products that are improving the world all around us by making it healthier, safer, more sustainable and more productive. The business of chemistry creates the building blocks for 96 percent of all manufactured goods. From energy efficient insulation, refrigerants and solar cells, and from resilient flooring to piping for clean drinking water, chemistry is at the heart of our buildings and economy.

ASHRAE and ACC agree to support this Memorandum of Understanding to advance and promote the mutual interests of their respective members. We are committed to working together on the following activities and goals:

CONSISTENT COMMUNICATION

Recognizing the importance of communication in organizational collaboration, both organizations commit to hold regular conference calls between staff and/or liaison committees, and two liaison meetings annually (either in person or via conference call) of designated ASHRAE/ACC senior representatives to:

- Ensure ongoing advancement of collaborative projects.
- Keep each respective organization informed of major initiatives.
- Discuss new opportunities for collaboration.

ASHRAE shall take responsibility for initiating the first annual liaison meeting. Action items with assigned responsibilities shall be recorded at each meeting. The parties responsible for ensuring this MOU is actively pursued through the term of the agreement are:

For ASHRAE:
Jeff Littleton
Executive Vice President

For ACC:
Anne Kolton
Executive Vice President

CONFERENCES AND MEETINGS

ASHRAE and ACC agree to explore opportunities to:

- provide speakers or panelists at the other organization's meetings, if possible, to help provide updates and perspectives on building and chemical industry priorities, initiatives, technologies and trends; and
- collaborate on conferences or meetings at the regional or local level.

Where mutually beneficial, each organization shall help publicize the other organization's meetings and promote attendance.

PUBLIC POLICY ENGAGEMENT AND OUTREACH

Where mutually beneficial and to the extent allowed by law and corporate policies, ASHRAE and ACC agree to work together on common public policy priorities. During annual liaison meetings, public affairs strategies will be discussed, and common goals identified. Collaborative opportunities to be considered include:

- When appropriate, joint support for ASHRAE standards and other policies that are founded in sound scientific principles and developed in open and consensus-based processes, at the local, state and federal levels that result in improved building performance, including increasing resiliency, providing healthier environments, and boosting efficiency.
- Education of elected officials, policymakers, and other stakeholders on issues such as technical aspects of building design and materials science, effective operation, indoor environmental quality, life-cycle and multi-attribute analysis and other related issues.

PUBLICATIONS

Recognizing that electronic and print publications are a primary means of disseminating new technologies, trends and practices, ASHRAE and ACC agree to:

- Provide at least one complimentary subscription to the primary membership periodical or publication, to the extent such a periodical or publication exists, to be received at the headquarters location of the other organization.
- Explore opportunities to provide articles and other content mediums for publication by the other organization either in print or online.
- Where appropriate, use print or electronic publications to promote the other organization's events, resources, and other activities.

EDUCATION

As providers of educational services in recognition of the vital role of professional development and continuing education, ASHRAE and ACC agree to:

- Cross-market educational offerings where mutually beneficial and to the extent allowed by law and corporate policies.
- Explore opportunities to co-develop new courses or other training programs that take advantage of overlapping and complimentary expertise between ASHRAE and ACC.
- Discuss ways to promote and advocate for the use of consensus-based standards, codes and certifications in the building industry.

TECHNICAL ACTIVITIES COORDINATION

ASHRAE and ACC agree to foster technical cooperation in areas of common interest by:

- Encouraging members in each organization to participate on technical committees, technical advisory groups, task forces, and other volunteer bodies, including by explaining and facilitating the process for obtaining voting roles on such bodies.

- Providing opportunities to participate in and comment on proposed standards, guidelines, policies, and position statements developed on technical subjects as they relate to sustainability, resiliency, energy efficiency, refrigerants, the built environment, indoor air quality, and other areas of mutual interests.
- Establish liaison representatives to key technical committees where mutually beneficial to do so.

RESEARCH

Recognizing that ASHRAE research is proprietary to the organization and its members, the organizations will explore ways to cross-promote or collaborate on each other's research efforts, including investigating the creation of joint projects. ASHRAE commits to providing ACC with a clear roadmap of how to engage in research development as well as special projects on the topics of sustainability, energy efficiency, indoor air quality, material innovation and other related topics.

In addition, ASHRAE and ACC will explore potential ways to participate in joint-research in emergent fields such as sustainable chemistry, resiliency, occupant health and wellness and other areas.

TERMINATION

Either party may terminate this MOU, with or without stated cause, upon providing the other party with thirty (30) days written notice of intent to terminate.


TERM

The term of this Memorandum of Understanding shall begin when signed by both parties and shall terminate at the end of three (3) years unless extended at that time by written agreement.

LEGAL STANDING

This MOU reflects a commitment by ASHRAE and ACC to continue and enhance their working relationship and individual efforts toward achieving mutual objectives described above. It does not create a binding obligation or agreement between the two organizations, and neither organization has an obligation to negotiate toward or enter into a binding written agreement. In addition, this MOU does not create a partnership, joint venture, fiduciary relationship or similar relationship between ASHRAE and ACC. Furthermore, it is understood that this Memorandum of Understanding is conceived as a dynamic document, meant to change as circumstances and priorities warrant. It may be modified or amended by written agreement between both organizations.

FOR ASHRAE:



Darryl K. Boyce, P.Eng.
President

NOVEMBER 19, 2019
Date

FOR ACC:



Chris Jahn
Chief Executive Officer

11/19/19
Date



Jeff H. Littleton
Executive Vice President

11-19-19
Date