



Shaping Tomorrow's Global  
Built Environment Today

**MINUTES  
GOVERNMENT AFFAIRS COMMITTEE  
WINTER CONFERENCE**

**FRIDAY, JANUARY 30, 2026  
1:00 PM – 5:00 PM PST  
CAESARS PALACE**

**Minutes approved at the April 8, 2026 GAC meeting.**

**ATTENDANCE**

**Members Present**

Mick Schwedler, Acting  
Chair 2026 Winter  
Conference  
Doug Fick  
Keith Reihl  
Megan Tosh  
Brad Lentz  
PJ Johnston  
Andy Persily\*  
Artorius Reyes  
Matthew Catan  
Adrienne Mitani  
Patrick Adams Villaume  
Harrison Kesling  
Victor Niño\*  
Doug Cage  
Eleazar Rivera  
Jessica Renner  
Alexander Armstrong  
Geoff Jenks  
Luis Alvarado  
Syed Mubarak\*  
Ioan Dobosi  
Varun Jain  
Abdallah Mahmoud  
Rob Craddock  
Ashish Rakheja

**Members Absent**

Meghan McNulty, Chair  
Dennis Knight

**Guests**

Georgios Pantelidis  
Tobi Showunmi  
William Bahnfleth  
Matthew Archey  
Darryl Boyce  
Kazukiyo Kumagai  
Brittany Swan - AMCA  
Dwayne Taylor  
Scott West  
Walt Vernon  
Colin Laisure-Pool  
Martin Luymes - HRAI  
Carolyn McCoy  
Ng Yong Kong  
Arturo Thur de Koos  
Pat Marks  
Joe Muchynski  
Matt Price  
Tracee Rhodes  
Clay Nesler  
Elizabeth Becker  
Steven Dimino  
Erony Martin  
Sherry Abbott-Adkins  
Dwayne Taylor  
Sarah Maston  
Eric Hall  
Nicoletta Kaba  
Money Khanna

**Staff**

Alice Yates  
Bryce Causey  
Neil Gavigan\*  
Jacob Karson  
Chris Miller  
Emily Porcari

**Guests (continued)**

Rafi Michel  
Lisa Ng  
Nicole Colantonio  
Tom Deary  
Raj Setty  
Charlie Reifenberger  
Julia Timberman  
Matt Walters  
Leigh Lain Walker  
Ali Zahedi  
Constanza Molina  
Marcus Hassen  
Carrie Brown  
Chrysostomos Bouras  
Ahmol Prabhu  
Ricardo Arellano  
Walt Vernon  
Raajesh Murugesan  
Peter Turk  
Jaganraj Rathinam

\*Indicates Remote Participation

1. Call to Order, Welcome, Roll Call, and Announcements – Mick Schwedler called the meeting to order at 1:00 p.m. PST and welcomed the meeting attendees. Attendance was taken (see above). A quorum was present. Schwedler then read a prepared message from GAC Chair Meghan McNulty: *The U.S. Department of Energy determined that national lab employees cannot participate in this ASHRAE conference in Las Vegas. So, sadly I will not be attending our GAC meetings. Mick, as Vice-Chair, will lead the meetings in my place. I hope you all take some time at this meeting to connect with GAC friends old and new, and I wish everyone a fun and productive conference.*
2. Guest Introductions – Schwedler asked the guests in the room to introduce themselves.
3. ASHRAE Value Statement – Schwedler read the value statement and referenced the hyperlinks.  
*In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.*  
**Code of Ethics** - <https://www.ashrae.org/about/governance/code-of-ethics>  
**Core Values** - <https://www.ashrae.org/about/ashrae-s-core-values>  
**Diversity Statement** - <https://www.ashrae.org/about/diversity-equity-and-inclusion-dei>
4. Review of Agenda – Schwedler reviewed the agenda, and it was accepted as written.
5. Approval of Minutes from October 23, 2025 Meeting – Schwedler asked for approval of the minutes from the October 23, 2025 meeting (See Attachment) by acclamation. They were approved; no objections.
6. Update on Action Items - Alice Yates reviewed the action items (See Attachment) and noted that all the Action items except for #1 had been completed.
7. Report from ASHRAE Government Affairs Office: Staff provided a brief report on the policy outlook and opportunities for outreach.
8. Subcommittee Reports and MBO Status Reports
  - a. Executive Subcommittee -Schwedler provided an update on the Subcommittee’s MBOs and activities.
    - i. MBO Update -Schwedler referenced the updates provided in the attached table.

ii. Council Representative Revisions

**MOTION:** To approve the proposed Council Representative revisions shown in the Attachment.

**MOTION PASSED:** Approved By Voice Vote (CNV). No objections.

iii. Communications Coordinator Duties

**MOTION:** To approve the proposed Communications Coordinator revisions shown in the Attachment.

**MOTION PASSED:** Approved By Voice Vote (CNV). No objections.

- iv. Update on EHC and TC 9.7 Coordination Meetings – Schwedler stated that coordination is going well with EHC, and Doug Fick is working to improve the coordination work with TC 9.7. Schwedler also referenced the IEQ memo with upcoming legislative opportunities on IAQ (See Attachment).
- v. Members Council PAOE Subcommittee– Schwedler thanked members for their feedback and referenced the recommendations submitted to the PAOE subcommittee (See Attachment).

b. Policy and Programs Subcommittee -Adrienne Mitani provided updates:

- i. MBO Update – Mitani referenced the updates provided in the attached table (See Attachment).
- ii. Update on PPIBs – Mitani gave an overview on updates to PPIBs (See Attachment).

Building Electrification – Mitani reviewed the proposed changes to the Building Electrification PPIB approved by PPSC (See Attachment). Mitani moved for a vote to approve the changes. The motion did not need to be seconded.

**MOTION:** To approve the recommended changes to the Building Electrification PPIB be approved as shown in the Attachment.

**MOTION PASSED:** Approved By Voice Vote (CNV). No objections.

c. Member Mobilization Subcommittee - Eleazar Rivera-Mata provided updates:

- i. MBO Update – Rivera referenced the updates provided in the attached table (See Attachment).
- ii. GOEs Status Update – Rivera provided updates on GOEs for the SY. (See Attachment)
- iii. GOEs: Year in Review Video – Rivera showed a brief video of GOEs from SY24-25. Rakeja asked that photos be added from the meeting with the Romanian Ambassador (this was added as an action item).

d. Global Affairs Subcommittee - Luis Alvarado provided updates:

- i. MBO Update – Alvarado referenced the updates in the attached table (See Attachment).

- ii. Input to the CEBD on the ASHRAE Building Codes Strategy Game – Yates provided a brief update, stating that the term “Game” has been removed from the name. This project is complete and is available online; the CEBD is available to help share it with governments outside the U.S.

[https://www.ashrae.org/file%20library/about/cebd/ashrae-bcat\\_facilitation-guide\\_v1.0\\_20-jan-2026.pdf](https://www.ashrae.org/file%20library/about/cebd/ashrae-bcat_facilitation-guide_v1.0_20-jan-2026.pdf)

Clay Nesler from the CEBD gave updates on the recent workshops on international code adoption, development, and scoping. Nesler also noted that if the GAC wants presentations in additional countries to please contact him.

- Kenya workshop - included national stakeholders, and international partners such as the WRI, The World Bank, and IFC. – went very well, with many government officials in attendance
- Beirut, Lebanon
- Philippines (planning in progress)
- Brazil (planning in progress)

- iii. UNEP Project: OzonAction ASHRAE Connect - Alvarado reported that the subcommittee reviewed the UNEP/ASHRAE Connect Update for GASC members who could not attend the GASC fall meeting, including takeaways from the pilot program which included the value of relationship building as a result of pilot program engagement.

- e. Nominating – Schwedler reported that the Subcommittee will submit its confidential recommendations soon and explained the process for submitting Society-level nominations with a deadline of **Feb. 13, 2026**. Application and process details can be found here:

<https://www.ashrae.org/communities/committees/committee-nominations>

- 9. Government Affairs Award Nomination – An executive session was held to discuss this award nomination.

- 10. Reports from Regional Vice Chairs - Written Reports were provided by all the Regional Vice Chairs (See Attachments):

- Region I – Matthew Catan
- RAL – Abdallah Mahmoud
- Region XIII – Syed Mubarak
- Region IX – Jessica Renner
- Region III – Patrick Villaume
- Region II – Adrienne Mitani
- Region IV – Harrison Kesling
- Region XV – Varun Jain
- Region V – Adam Doublestein
- Region XIV – Ioan Dobosi
- Region XI – Geoff Jenks
- Region XII – Luis Alvarado
- Region VII – Doug Cage
- Region VI – Victor Nino

- Region VIII – Eleazar Rivera

- Region X – Alexander Armstrong

11. GAC PHOTO – Photos of the current GAC members were taken by a professional photographer. Staff will distribute these when they become available.

12. Reports

- ExO Report – Rob Craddock provided a report highlighting major Society news and updates – (See Attachment).
- Communications Coordinator Report – The Communications already provided his report through the Executive Subcommittee and the proposal to modify the MOP.
- Technology Council Representative Report - Doug Fick gave a report (See Attachment), noting that EHC is working on a draft response addressing PFAS.
  - RBC Stakeholders Workshop (regarding consumer choice and affordability, resilience, and indoor environmental quality). – Fick stated that the December workshop had 3 breakout sessions on key issues (see attached report). [Alice to add.]
  - Next-Gen Refrigerants Ad-Hoc – Yates stated that a new Ad-Hoc has been formed to address how to safely use A3 refrigerants.
- Members Council Representative Report - Keith Reihl reported that Members Council is updating the Chapter Manual of Operations; he asked GAC members to review the GAC section and provide feedback and edits by this fall (this was added to the Action Items).
- Pub-Ed Council Representative Report - Megan Tosh stated Pub-Ed will be meeting next week and she will have a report after that meeting.

13. Reports from Other Committees

- Young Engineers in ASHRAE – Rafi Michel reported on upcoming YEA Events.
- EHC - Bill Bahnfleth, Chair of the EHC Policy and Advocacy Subcommittee reported that a PFAS emerging issue brief is being drafted, and they have been working on a variety of IEQ legislative with the GAC and GA staff.
- TC 9.7 - Raj Setty, Chair discussed a two-part project they are working on concerning IAQ legislation focused on schools.
- Center of Excellence for Building Decarbonization – Leigh Lain Walker, Staff Liaison to CEBD stated how they are being more strategic now, how the CEBD website has a lot of new information and resources.

14. Guest Reports – reports were provided by a wide range of external organizations:

- Air-Conditioning, Heating, and Refrigeration Institute (AHRI) - Tom Deary, Director of Codes

- b. Building Owners and Managers Association (BOMA) – Steve Dimino, Manager of Advocacy and Codes
- c. Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI) – Joe Muchynski, Board Chair and Martin Luymes, Vice President, Government & Stakeholder Relations
- d. Blueprint Biosecurity – Carolyn McCoy, Senior Policy Analyst
- e. ONE Gas - Tracee Rhodes, Manager, Public Policy
- f. AMCA - Brittany Swan, Regulatory Affairs Analyst
- g. GBI – Marcus Hassen, Member of GBI’s Board of Directors (and chair of ASHRAE SSPC 90.4) – see Attachment
- h. SMART/NEMI - Eric Hall, Western Region Representative

15. Other Business

- a. Planning Committee (PLC) Emerging Technologies Ad Hoc – PLC created a new report (See Attachment) that may be of interest to GAC members.
- b. Restructuring of Members Council – Schwedler reviewed showed a slide with the proposed restructuring (See Attachment).
- c. Complimentary Committee Meeting Registration for TC/PC/SC Members – Schwedler referenced proposed changes regarding complimentary registrations (See Attachment).
- d. WISE - Washington Internship for Students of Engineering – (See Attachment) – Yates spoke regarding the WISE Internship, which is still accepting applications. Yates also mentioned how ASHRAE Presidential Member, Sheila Hayter was a former WISE Intern.

16. Review of New Action Items added at this meeting – Yates reviewed the new action items added during this meeting (See Attachment).

17. Next Meeting – Schwedler stated that the next meeting would occur virtually sometime in March or April 2026.

18. Adjourn – Schwedler adjourned the meeting at 4:59 p.m. PST.

*Minutes Respectfully Submitted by Alice Yates, Staff Liaison, with support from  
Chris Miller*



Shaping Tomorrow's Global  
Built Environment Today

**DRAFT MINUTES**

**GOVERNMENT AFFAIRS COMMITTEE**

**THURSDAY, OCTOBER 23, 2025**  
**9:00 AM – 11:00 AM EDT**  
*Virtual Meeting*

1. Call to Order, Welcome, and Roll Call - Meghan McNulty called the meeting to order at 9:02 a.m. EDT and welcomed the meeting attendees. Attendance was taken (see below). A quorum was present.

**Attendance**

<b><u>Present</u></b>	<b><u>Absent</u></b>	<b><u>Staff</u></b>	<b><u>Guests</u></b>
Meghan McNulty	Matthew Catan	Alice Yates	<i>none</i>
Mick Schwedler	Adam Doublestein	Bryce Causey	
Syed Mubarak	Chris Miller		
Keith Reihl	Ioan Dobosi	Emily Porcari	
Megan Tosh	Brad Lentz	Jacob Karson	
PJ Johnston	Rob Craddock	Neil Gavigan	
Dennis Knight	Doug Fick	Leigh Lain Walker	
Andy Persily			
Artorius Reyes			
Adrienne Mitani			
Patrick Villaume			
Harrison Kesling			
Victor Nino			
Doug Cage			
Eleazar Rivera			
Jessica Renner			
Alexander Armstrong			
Geoff Jenks			
Luis Miguel Alvarado			
Varun Jain			
Abdallah Mahmoud			
Ashish Rakheja			

2. ASHRAE Value Statement – McNulty read the value statement.

ASHRAE Value Statement

*In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.*

**Code of Ethics** - <https://www.ashrae.org/about/governance/code-of-ethics>

**Core Values** - <https://www.ashrae.org/about/ashrae-s-core-values>

**Diversity Statement** - <https://www.ashrae.org/about/diversity-equity-and-inclusion-dei>

3. Review of Agenda - McNulty reviewed the agenda, and it was accepted as written. McNulty highlighted that Leigh Lain Walker, Staff Liaison to the Center for Building Decarbonization (CEBD) was present.
4. Approval of Minutes from June 20, 2025 Meeting – McNulty asked for a voice vote to approve the minutes from the June 20, 2025 meeting (See Attachment).

**MOTION:** To approve the minutes of the June 20, 2025 GAC Meeting. Motion made by Eleazar Rivera and seconded by Adrienne Mitani.

**MOTION PASSED:** Approved by Voice Vote (CNV). No objections. No abstentions.

5. Update on Action Items – Yates reviewed the action items, stating that there was only one, which is still in progress. Jacob Karson stated that he is almost done working on the video on how to submit GOE forms in addition to updating the forms themselves (See Attachment).
6. Subcommittee Reports and MBO Status Reports (See Attachment)
  - a. Executive Subcommittee – McNulty gave updates from the Executive Subcommittee.
    - i. Governing Documents – McNulty noted the 3 governing documents overseen by this subcommittee, however, there was no business regarding these documents.
    - ii. GAC Budget Requests - Mick Schwedler explained that as Vice Chair, one of his duties is to prepare budgets for the upcoming years. Schwedler noted that the only projected increases were for (1) transportation due to the additional region (with the additional RVC) and (2) an increase of 50% for the SMEs for GOEs program (from \$3,500 to \$5,000), assuming the pilot proves successful. Society Treasurer Ashish Rakheja asked for specific amounts. Mick Schwedler

responded that the increases were around \$5,000 - \$7,000 for a roughly overall \$100,000 budget.

iii. MBO Updates – McNulty reviewed the updates for the MBOs assigned to this subcommittee, as well as the MBO assigned to all subcommittees (see attached table)

- MBO #7: Improve methods for seeking input from ASHRAE members and the Executive Committee on issues to be addressed in the society’s public policy priorities.
- MBO #8: Coordinate with Environmental Health Committee (EHC) on emerging IEQ topics, in alignment with SY25-26 Presidential Theme.

With regard to this MBO, Andy Persily noted that the EHC is developing some advocacy materials, and the GAC should share what types of advocacy trainings and resources it has to inform EHCs work, as well as to avoid duplication of efforts. Staff was assigned and **action item** to send the advocacy trainings and other resources to the EHC.

- MBO #9: Evaluate feasibility of establishing a “scholarship” fund for public sector workers’ conference attendance through ASHRAE Foundation funding.
- MBO #10 (All Subcommittees): Recommend changes to PAOE for next SY. Completion date: 9/30/2025 – Schwedler stated that draft recommendations have been sent to Members Council, and he will share them with the GAC members. Key recommendations included reducing redundancies, adjusting for yearly changes to PPPs and presidential initiatives, in addition to higher PAOE points for using SMEs for GOEs.

b. Policy and Programs Subcommittee - Adrienne Mitani provided the report for this subcommittee.

i. Update on SME Program – Mitani stated that this would be covered in her MBO Updates.

ii. PPIB Updates – Mitani stated that members are reviewing the PPIBs for updates and that a new PPIB on infectious diseases is also being worked on (See Attachment).

iii. MBO Updates

- MBO #3: Implement and improve SMEs for GOEs pilot program.
- MBO #4: Consider ways to better inform ASHRAE’s technical communities of relevant public policy actions, and to solicit updates from TCs and PCs. Completion Date: 6/30/2026

c. Member Mobilization Subcommittee – Rivera provided the report for this subcommittee.

iv. GOE Updates – Rivera stated that so far, there have been 17 GOEs for the SY with many more in the works for the spring (See Attachment).

- v. Government Affairs Award: Rivera mentioned that 5 nominations have been received so far, ahead of the submission deadline of 10/31/2025.
  - vi. Upcoming Dates for Proclamations and Resolutions – Rivera briefly highlighted the following proclamations on the Advocacy Toolkit webpage as a good tool to mobilize members and connect with local government officials. Rivera also stated that some proclamation templates should be translated to other languages (the only non-U.S. ones are International Women in Engineering Day and World Refrigeration Day, so those would be the ones to translate); he noted that he could do the Spanish translations.
    1. Engineers Week (February 22-28, 2026)
    2. Building Safety Month (May 2026)
    3. High Performance Building Week (2026 Date TBD-likely in June)
    4. International Women in Engineering Day (June 23, 2026)
    5. World Refrigeration Day (June 26, 2026)
  - vii. MBO Updates – Rivera reviewed the updates to the MBOs assigned to his subcommittee (see Attachment).
    - MBO #1: Incentivize members to follow up with government officials after GOEs.
    - MBO #2: Improve forms for GOE reporting and GAA nominations to increase submissions.
- c. Global Affairs Subcommittee - Luis Alvarado provided the report for this subcommittee.
- i. Update on GTIC Activities – Eleazar Rivera gave updates on GTIC activities, saying that Standard 154 (Ventilation for Commercial Cooking) was selected for adaptation for Region XV. Rivera noted that GTIC is working on Memoranda of Interest with other societies; Rivera expressed concern about this, as it may be duplicative of that from the AASA. Rivera will work with Alvarado to further investigate these activities. Rivera provided more details in the TEAMS meeting chat box, which are copied below:
    - Last week, GTIC held its regular meeting, where several key topics were discussed that may be of direct relevance to GAC.
    - First, **ASHRAE Standard 154** has been selected as a **candidate for a pilot project under the adaptation process**, following a request from **Region 15**. (Standard 154 is Ventilation for Commercial Cooking Operations) This initiative aims to test and refine ASHRAE’s framework for adapting standards to regional contexts — something that could have strong policy and governmental implications once the methodology is validated.

- In addition to the adaptation effort, GTIC members also **proposed developing a pilot project focused on training**. We understand that GAC has been exploring similar needs, particularly around capacity building and outreach to authorities and decision-makers. Therefore, there is a clear opportunity for **coordination between our committees** to align messaging, scope, and potential audiences for that training initiative.
  - Finally, **the RCIS and GTIC Regional Liaisons** are actively reviewing potential **Memorandums of Understanding (MOUs)** with organizations that align with ASHRAE’s global objectives. These partnerships could enhance ASHRAE’s visibility and technical collaboration in emerging regions, and we will ensure that any relevant developments are shared with GAC to maintain alignment on policy-related opportunities.
  - In summary, GTIC is making progress on **standard adaptation, training development, and international partnerships** — all areas where coordination with GAC will strengthen ASHRAE’s global impact.
- ii. CEBD Flexible Building Codes for Developing Countries – Alvarado referenced the attachment in the agenda. In response to a question, Leigh Lain Walker said that GAC should let Clay or her know if the GAC would recommend places to conduct a workshop on this tool. They are currently considering the Philippines and India.
  - iii. MBO Update – Alvarado reviewed the updates to the MBOs assigned to his subcommittee (see Attachment).
    - a. MBO #5: Work with Global Technical Interaction Committee (GTIC) to facilitate sharing of information to avoid duplication of efforts, including through improved understanding of market needs and the tracking and adoption of ASHRAE standards and guidelines around the world.
    - b. MBO #6: Provide recommendations to the full committee on priorities for document translation.
  - d. Nominating – Mick Schwedler stated that this subcommittee does its work in Executive Session; it is reaching out to candidates. Schwedler also noted that subcommittee recommendations take place in the spring.

## 7. Reports

- a. ExO Report - Rob Craddock was absent as he was doing chapter visits in his region.
- b. Communications Coordinator Report - Brad Lentz was absent as he is attending the ACEC.
- c. Technology Council Representative Report - Doug Fick was absent, but sent a report to Yates:
  - PFAS - Tech Council leadership has inquired with the responsible refrigerant Usage Position Document to see if they are covering PFAS.

- Coordination - I discussed coordination during the OPS meeting and suggested possible inclusion in the TAC and PC chairs breakfast. I will need to follow up with TAC and Std so they better understand the concern/ issue.
- d. Members Council Representative Report - Keith Reihl had nothing to report other than the recent shift of countries from Region XV to RAL.
  - e. Pub-Ed Council Representative Report - Megan Tosh did not have anything to report.
8. Other Business – Alex Armstrong asked to discuss options for the GAC dinner at the Winter Conference in Las Vegas. He said that restaurants are expensive close to the conference hotel, and he wanted to know if members would be willing to Uber somewhere further away for a lower cost dinner option. An **action item** was assigned to staff to send out a preference poll to the GAC members regarding options of eating near the conference hotel or using shared Ubers or public transit to go somewhere else.
  9. Review of New Action Items added at this meeting -Yates reviewed two action items from the meeting:
    - Staff will share advocacy resources with EHC
    - Staff will send out a poll regarding options for the GAC dinner.
  10. Next Meeting- McNulty stated that the next meeting would take place on January 30, 2026 1-5 PM (PST) at the Winter Conference in Las Vegas, NV.
  11. Adjourn – McNulty moved to adjourn the meeting; it was adjourned at 10:03 EDT.

*Minutes respectfully submitted on 10-24-2025 by Alice Yates, Staff Liaison,  
with support from Chris Miller.*



**ACTION ITEMS  
GOVERNMENT AFFAIRS COMMITTEE  
SY 2025-2026**

**Last Updated: Jan. 9, 2026**

#	Action	Assigned To	Due Date	Status	C/O
<i>Continued from SY2024-25</i>					
1	Create video to show how to fill out and submit a GOE form. This video will be imbedded in the CRC GAC Training as well as the GOE training.	Staff (Karson)	Summer 2025	Ongoing. Video has been filmed and will be edited by marketing staff in the near future.	O
<i>Added at Oct. 23, 2025 Fall Meeting</i>					
2	Share advocacy resources (trainings and accompanying slides, presentations, collateral packets) with the EHC advocacy subcommittee	Staff	ASAP	Yates sent to EHC on 10-23-2025.	C
3	Send poll to GAC members to ask about dinner preferences for the Winter meeting in Vegas (close to hotel @ approx. \$100 dinner costs vs. 15-minute uber drive from hotel @ approx. \$60 dinner costs)	Staff	ASAP	Miller sent poll on 10-24-2025.	C
<i>Added at Jan. 30, 2026 Winter Meeting</i>					
4					
5					
6					
7					
8					
9					
10					



# Staff Report: Government Outlook and Opportunities for Engagement

Winter Conference – January 2026

Alice Yates, Director of Government Affairs

Emily Porcari, Manager of State and Local Government Affairs

Jacob Karson, Manager of Government Outreach and Engagement

Bryce Causey, Manager of Federal Government Affairs

Neil Gavigan, Legislative and Policy Analyst

Chris Miller, Office Manager

# Government Affairs Staff: Who Are We?



*We have a team that is ready to support you!*

Contact all of us at [GovAffairs@ashrae.org](mailto:GovAffairs@ashrae.org)



**Alice Yates**  
**Director**



**Jacob Karson**  
**Outreach  
& Engagement**



**Emily Porcari**  
**State & Local**



**Bryce Causey**  
**Federal**



**Neil Gavigan**  
**Policy Analyst**



**Chris Miller**  
**Office Manager**

## DOE

- Office of Critical Minerals and Energy Innovation (CMEI)
- 90.1-2025 Determination under ECPA
- Uncertainty around Grant Cancellations
- Data Center Opportunities
  - AI data center instructions on DOE National Labs site
  - 90.4 Inclusion

## EPA

- Reconsideration of AIM Act Regulations
- Indoor Air Quality Programs at Office of Air and Radiation

## EPCA Modernization

- Senate Legislation/Hearing by Spring

House activity on energy efficiency–related bills

- Energy Choice Act

## Appropriation Funding

- ENERGY STAR \$33M
- Building Technology Office \$288M
- NIST \$1.85B

## Federal Pre-Emption of State and Local Codes - Concerning Trends

- 21<sup>st</sup> Century Housing Act and the ROAD Act, and Executive actions

## Pro Codes Legislation (protection of SDO's copyright)

- Updated to improve implementation

## 2026 State Legislative Sessions:

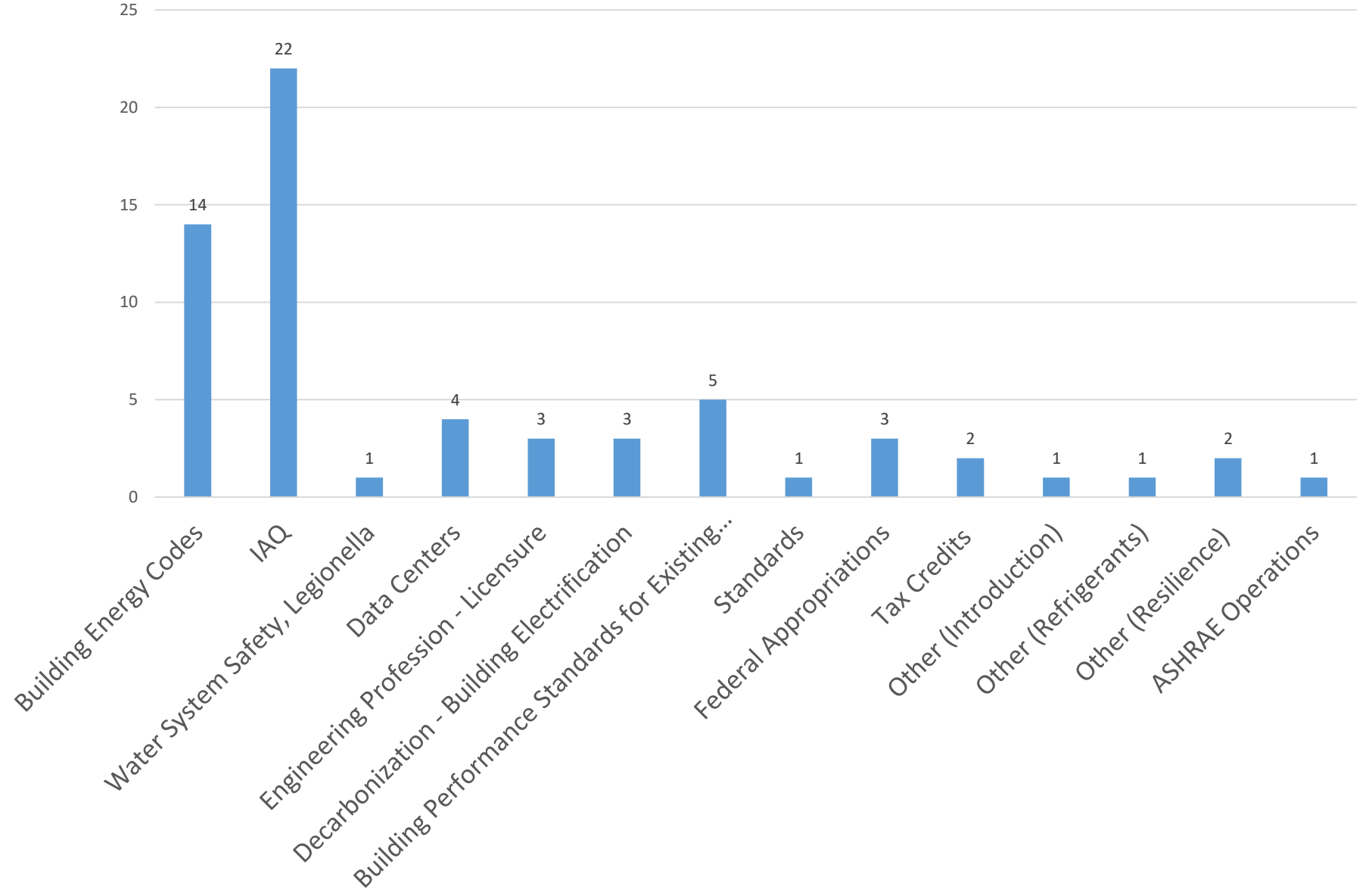
- Legislative session currently in progress in **40** states; **46** states and D.C. will be in session in 2026
- Approximately **3,000** bills reviewed by staff this session to date
- **129** of those bills flagged as relevant to ASHRAE
- Letters sent on **10** pieces of legislation in **8** different states

- Building energy code updates and code rollbacks or freezes—multiple attempts continuing from last session
- Improving indoor air quality in schools, and setting maximum temperature limits to mitigate heat impacts
- Legionnaires' Disease prevention after summer 2025 major outbreak in NYC
- Engineering licensure, training and HVAC workforce
- Electrification and decarbonization efforts vs. bans on all-electric requirements

**63** letters  
sent and  
testimony  
delivered

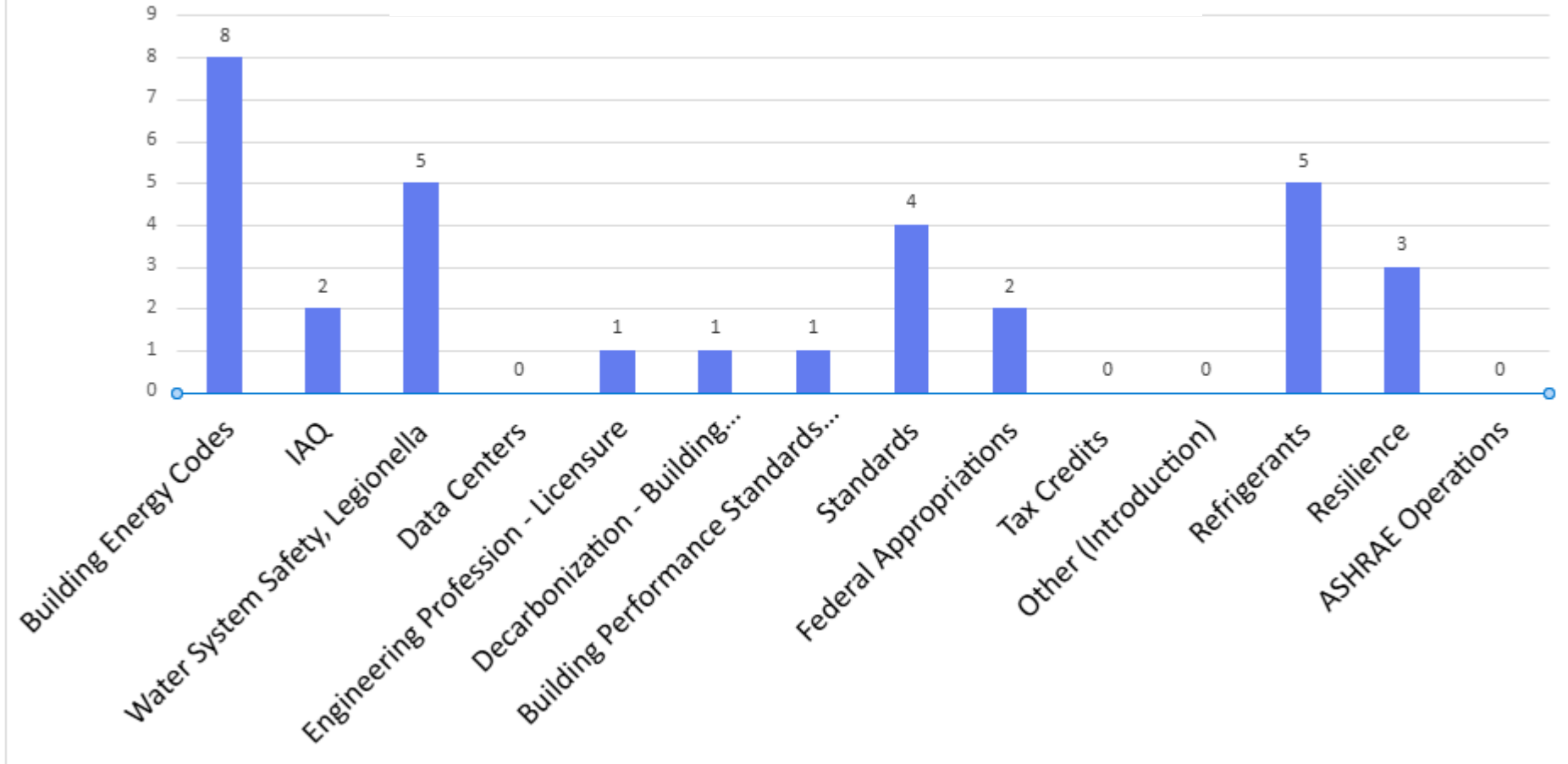
*Thanks to  
volunteer  
members for  
showing up!*

## Key Topics for Letters and Testimony - **SY2024-25**

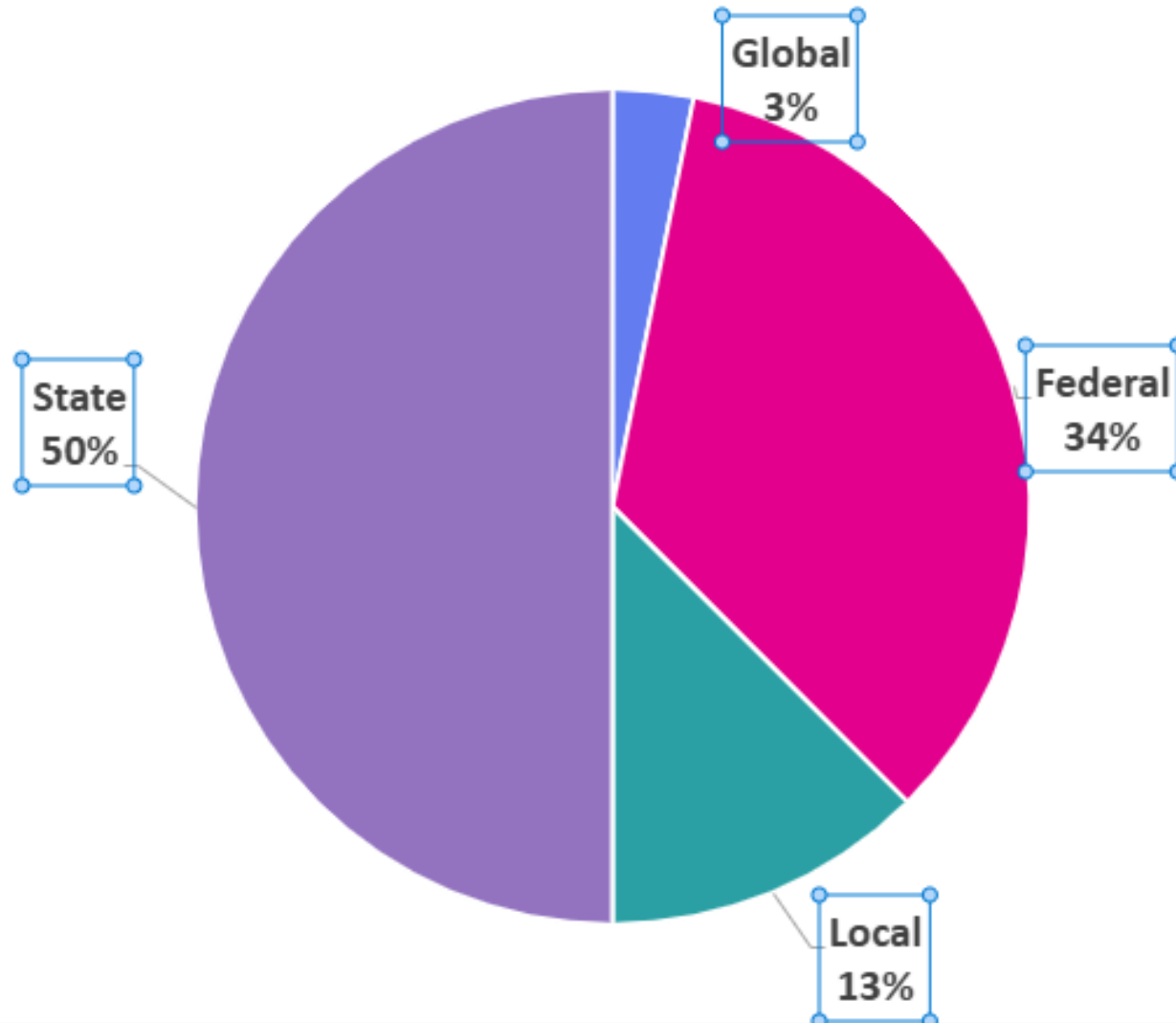


**32** letters  
sent to date

## Key Topics for Letters and Testimony SY25-26 (through Jan. 26, 2026)



# Government Audiences for Letters (SY25-26)



# Last Year in Review

Government Outreach and Advocacy - Staff Support for GOEs



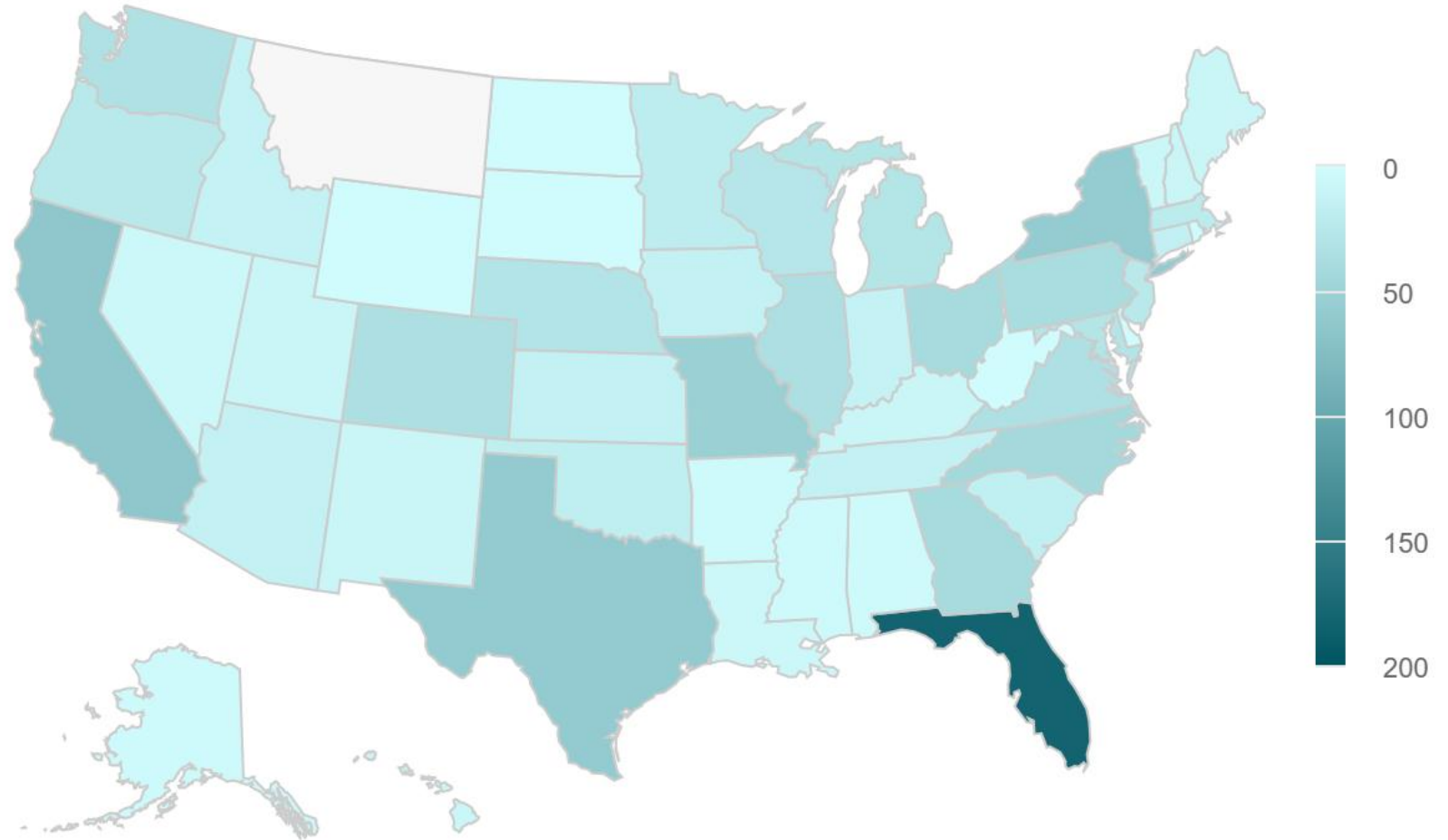
- Day on the Hill Events were conducted in **23 states**.
- Total, **64 global, 9 federal, and 113 state/local** GOEs conducted.
- **650+ packets** created and used for GOEs.
- **22 shipments** of collateral material sent to support GOEs.
- **25+ GOE tailored training** sessions held.
- Staff scheduled **225+ meetings** for members.
- **Staff led 60+ GOE** meetings.

- Total: **38 GOEs** conducted
  - 10 global, 1 federal, and 27 state/local GOEs**
- **95+ packets** created and used for GOEs.
- **5 shipments** of collateral material sent to support GOEs.
- **15+ GOE tailored training** sessions held.
- ‘Day on the Hill’ GOEs being planned in 20+ states

# New Advocacy Tool: VOTER VOICE



- Broad engagement: message sent by ASHRAE members from 49 different states, Washington, D.C., and Puerto Rico.
- Eight VoterVoice campaigns were conducted in SY 24-25.
- Over 1,000 ASHRAE members became advocates.
- Over 2,500 messages were sent to legislators.



# New Advocacy Tool: VOTER VOICE – continued



## Ask Congress to Protect Nonprofits in 2025 Tax Bill

The U.S. House of Representatives has begun work on a Budget Reconciliation bill, which aims to extend the 2017 tax cuts, improve border security, and increase military spending. The legislation, commonly known as the “Big Beautiful Bill” contains a provision that would severely harm ASHRAE by taxing royalties ASHRAE receives from the AHR Expo. Like many associations, ASHRAE depends on income from passive royalties to advance its tax-exempt purpose, and changes in this area would have broad and negative ramifications for ASHRAE and our members.

In short, this change would damage the society's continued work to be the foremost source of technical and educational information, and the primary provider of opportunity for professional growth, in the arts and sciences of heating, ventilation, air conditioning and refrigeration.

This legislation is currently being considered at the committee level in the House, which intends to approve the package by Memorial Day. It will then go to the U.S. Senate for consideration.

**We need your help to remove this damaging provision!**

**Review Your Message**

- US Senators
- US Representative

**Subject**

Protect Nonprofits: Remove Sec. 112025 from 1

**Message Body**

I want to call your attention to a harmful provision in the House Ways and Means Committee portion of the 2025 Budget Reconciliation bill. The provision is in Section 112025, Name and Royalties Treated as Unrelated Business Taxable Income. This provision concerns changes to tax on unrelated business income tax.

**Enter Your Info**

**Your Information**

Prefix \* First Name \* Last Name \*

Email \*

**Home Information**

Street Address \*

ZIP Code \* Enter Zip for **City** and **State**

Yes, sign me up to receive email updates and action alerts from ASHRAE

Remember me

**Send Message**

- VoterVoice provides ASHRAE members with the capability to quickly and easily send emails to their State and Federal lawmakers.
- Members only need to enter their voting address and name, and VoterVoice automatically sends a pre-written but customizable email to the correct lawmaker.



Questions?

## Status Update for GAC MBOs SY2025- 2026

**Last Updated: 01-23-2026**

#	MBO	Subcommittee Assigned	Metric(s)	Status Update
1	<p><b>MBO #1:</b> Incentivize members to follow up with government officials after GOEs  <b>Completion date: 6/30/2026</b></p>	Member Mobilization	<p>✓ Recommend additional PAOE points for following up with government officials after a GOE</p> <ul style="list-style-type: none"> <li>• Develop process for follow-up actions from GOEs and incorporate into GOE training.</li> <li>• Develop at least one recommendation that would encourage follow-up with government officials.</li> </ul>	<p><b>Completion %:</b> 33%</p> <p>Subcommittee members had multiple suggestions for improving the PAOE categories during the MMSC meeting on August 26. Those suggestions were shared at the PAOE meeting on Monday, Sept. 29 and incorporated into GAC’s draft PAOE submission to be sent to Members Council. <b>Metric #1 is complete.</b></p> <p>Discussions on additional recommendations to encourage follow-up with government officials will continue in future Subcommittee meetings.</p>
2	<p><b>MBO #2:</b> Improve forms for GOE reporting and GAA nominations to increase submissions.  <b>Completion date for GAA activities: 09/15/2025</b>  <b>Completion date for GOE activities: 1/31/2026</b></p>	Member Mobilization	<p>✓ Identify ways to make GOE reporting form and Award nomination process simpler, shorter, or easier to complete, and revise for use this SY.</p> <ul style="list-style-type: none"> <li>• Create short video showing how to fill out the revised GOE reporting form.</li> <li>• Create video showing how to prepare a nomination for the Government Affairs Award.</li> </ul>	<p><b>Completion %:</b> 50%</p> <p>GA Award deadline has been changed and nominations for this year’s award have been evaluated by the Judging Panel. The Judging Panel has used new numerical scoring criteria and a new evaluation process this year, to help provide more detailed guidance for Panel members on how to conduct their evaluations than is included in the GAC governing documents.</p> <p>The videos on the Award and the GOE forms will be completed by staff; target date needs to be adjusted to April or May.</p>

#	MBO	Subcommittee Assigned	Metric(s)	Status Update
3	<p><b>MBO #3:</b> Implement and improve SMEs for GOEs pilot program.</p> <p>Completion date: 6/30/2026</p>	Policy & Programs	<ul style="list-style-type: none"> <li>• Refine SME application process.</li> <li>• Review PPIBs, PPPs, and GOEs, and PPPs to identify expertise needs</li> <li>• Schedule 3 government engagements employing ASHRAE SMEs.</li> <li>• Develop evaluation approach to assess effectiveness of initial engagements and prepare summary report.</li> <li>• If continuation or modification of the program is advised, recommend updates to GAC guiding documents to support continuation or modification of the SME program.</li> </ul>	<p><b>Completion %: 25%</b></p> <ul style="list-style-type: none"> <li>• At its last meeting, the SMEs for GOEs task team continued to discuss strategies to grow the program. The program is regularly shared with members during Day on the Hill trainings and included in presentations at various levels. Open action items for the team include: <ul style="list-style-type: none"> <li>• Create a more refined one pager/dashboard that clearly displays an SME’s attributes</li> <li>• Create a plan and template for getting feedback after a GOE at which an SME participates.</li> </ul> </li> </ul>
4	<p><b>MBO #4:</b> Consider ways to better inform ASHRAE’s technical committees of relevant public policy actions, and to solicit updates from TCs and PCs.</p> <p>Completion date: 6/30/26</p>	Policy & Programs	<ul style="list-style-type: none"> <li>• Develop at least two recommendations for improving connections between ASHRAE technical committees and public policy actions, such as informing Standards Committees of adoptions and references, and developing a process for getting updates on significant PC and TC actions, as well as model code proposals.</li> </ul>	<p><b>Completion %: 50%</b></p> <p>Improved collaboration and communication has taken place primarily with EHC and TC 9.7. Updates on legislation referencing ASHRAE Standards have been shared and coordination meetings have taken place. A presentation on government activities will be given at the TC Breakfast in Vegas.</p>

#	MBO	Subcommittee Assigned	Metric(s)	Status Update
5	<p><b>MBO #5:</b> Work with Global Technical Interaction Committee (GTIC) to facilitate sharing of information to avoid duplication of efforts, including through improved understanding of market needs and the tracking and adoption of ASHRAE standards and guidelines around the world.</p> <p>Completion date: 6/30/2026</p>	Global Affairs	<p>✓ Nominate a liaison from GASC to GTIC and send recommendation to GAC Chair at earliest possible opportunity.</p> <ul style="list-style-type: none"> <li>• Each member of GASC to provide a list of ASHRAE standards that have been adopted by various jurisdictions in their regions.</li> <li>• Informed by the data above, identify opportunities for ASHRAE Standards adoption, including through scheduling meetings, sharing information about standards, and/or writing advocacy letters for standards adoption.</li> </ul>	<p><b>Completion %:</b> 30%</p> <p>Eleazar nominated as staff liaison from GAC/GASC to GTIC.</p> <p>Initial discussion of how to research and report ASHRAE standard adoption has been held, and a goal on reporting for the SY have been set.</p> <p>RVCs are engaged on identifying and capitalizing on opportunities for ASHRAE internationally via GOEs, letter writing, and advocacy.</p>
6	<p><b>MBO #6:</b> Provide recommendations to the full committee on priorities for document translation.</p> <p>Completion date: 6/30/2026</p>	Global Affairs	<ul style="list-style-type: none"> <li>• Develop guidelines for identifying which languages and documents should be prioritized for translation.</li> <li>• Recommend which languages and documents should be prioritized for translation in SY25-26.</li> <li>• Review previously translated documents for necessary updates.</li> <li>• Form work groups to translate priority documents into priority languages.</li> </ul>	<p><b>Completion %:</b> 40%</p> <p>French, Portuguese established as high priority languages for translation. Documents related to IAQ, wildfires, and legionella determined to be the highest priority, with PPIBs a high priority more broadly. ASHRAE standard translation into French is outside our scope, but was cited as a high priority as well.</p> <p>Spanish language translation group agreed to run updates on translated PPIBs on an ongoing basis. PPIB updates provided to Spanish translation team for review.</p> <p>French translation workgroup formation in progress.</p>

#	MBO	Subcommittee Assigned	Metric(s)	Status Update
7	<p><b>MBO #7:</b> Improve methods for seeking input from ASHRAE members and the Executive Committee on issues to be addressed in the society’s public policy priorities.</p> <p>Completion date: 3/31/2026</p>	Executive Subcommittee	<ul style="list-style-type: none"> <li>Develop 1-2 new outreach tools for seeking input from members and the Executive Committee. Make sure this outreach is done no later than third quarter of the society year so that it can be considered for revising the PPPs for SY26-27.</li> </ul>	<p><b>Completion %: 85%</b></p> <p>Subcommittee has developed 3 tools and will be discussing them in Vegas. The expectation is that these tools will be approved and implementation will be completed by the deadline of March 31, 2026.</p>
8	<p><b>MBO #8:</b> Coordinate with Environmental Health Committee (EHC) on emerging IEQ topics, in alignment with SY25-26 Presidential Theme</p> <p>Completion date: 6/30/2026</p>	Executive Subcommittee	<ul style="list-style-type: none"> <li>Hold quarterly meetings with EHC Policy Subcommittee Chair and GAC Chair, VC, and PPSC Chair.</li> <li>Develop 1-2 recommendations to improve GAC-EHC collaboration and responsiveness to emerging IEQ issues.</li> </ul>	<p><b>Completion %: 75%</b></p> <p>Two quarterly meetings have been conducted:</p> <p>Sept 10, 2025;</p> <ul style="list-style-type: none"> <li>Dec 12, 2025.</li> </ul> <p>Third quarterly meeting scheduled for Feb. 17, 2026. <i>Once formed, we will be inviting representatives of the CE-IEQ, as they are taking on some of EHC’s strategic functions.</i></p>
9	<p><b>MBO #9:</b> Evaluate feasibility of establishing a “scholarship” fund for public sector workers’ conference attendance through ASHRAE Foundation funding.</p> <p>Completion date: 4/30/2026</p>	Executive Subcommittee	<ul style="list-style-type: none"> <li>Determine feasibility, limitations, and costs of a “scholarship” fund to help fund public sector workers’ attendance at ASHRAE conferences.</li> <li>If feasible, complete an ASHRAE Foundation Board of Trustees funding request form to establish program.</li> </ul>	<p><b>Completion %: 10%</b></p> <p>Subcommittee members are investigating limitations.</p>
10	<p><b>MBO #10:</b> Recommend changes to PAOE for next SY.</p> <p>Completion date: 9/30/2025</p>	All SCs	<ul style="list-style-type: none"> <li>Each SC to develop at least one recommendation to the PAOE.</li> </ul>	<p><b>Completion %: 100%</b></p> <p>Recommendations from subcommittees have been submitted; this MBO is complete.</p>

#	MBO	Subcommittee Assigned	Metric(s)	Status Update
<p><b>Notes on ASHRAE 2025-2028 STRATEGIC PLAN:</b></p> <p><b>Strategic Goals:</b></p> <ol style="list-style-type: none"> <li>1. Position ASHRAE as the <b>global leader</b> in advanced solutions to improve indoor environmental quality (IEQ) and address climate change.</li> <li>2. Pursue <b>impact-focused engagement</b> by targeting stakeholders to support a strong workforce and maximize utilization, adherence, and trust of ASHRAE’s global expert resources.</li> <li>3. Increase the <b>accessibility</b> of ASHRAE content, resources, and member opportunities.</li> </ol> <p><b>Strategic Initiatives:</b></p> <ul style="list-style-type: none"> <li>• Healthy, Sustainable and Resilient Communities</li> <li>• Empowered Workforce</li> <li>• Organizational Agility</li> <li>• Emerging Technologies</li> </ul>				

## **GAC Motion on MOP Changes Regarding Council Representatives**

**Motion:** That the GAC recommends that Members Council approve the following changes to the GAC MOP regarding the Council Representatives:

### Page 5 – DUTIES OF COMMITTEE MEMBERS

#### **3.e. Representative of Technology Council**

Duties of the Representative of Technology Council (TechC) include:

1. Serve as the liaison between GAC and TechC.
2. Ensure that ASHRAE's standards and other technical products are represented in public policy discussions and initiatives.
3. Serve on this Committee's Executive Subcommittee.
4. At the Chair's discretion, serve on this Committee's Policy and Programs Subcommittee.
5. Keep GAC and subcommittees informed as to what standards, position documents, etc. are currently being discussed and/or edited to coordinate efforts with GAC Executive Subcommittee, Policy and Programs Subcommittee, or any other impacted Subcommittee.

#### **3.f. Representative of Members Council**

Duties of the Representative of Members Council include:

1. Serve as the liaison between GAC and Members Council; coordinate with the GAC Chair (who serves as a voting member of Members Council) and the GAC Vice Chair (who serves as a voting member of the PAOE Subcommittee of Members Council) on matters related to Members Council and the GAC
2. Ensure that ASHRAE's grassroots interests are represented in public policy discussions and initiatives.
3. Serve on this Committee's Executive Subcommittee.
4. At the Chair's discretion, serve on this Committee's Member Mobilization Subcommittee.
5. Keep GAC and subcommittees informed as to the status of activities occurring within Members Council that are of interest to the GAC.

#### **4. b. Policy and Programs**

The members of the Policy and Programs Subcommittee are appointed annually by the Chair of the GAC and consist of approximately half of the RVCs on the GAC, and any additional members at the discretion of the Chair ([such as the Tech Council Representative](#)). Members of the Executive Subcommittee may, at their discretion, serve as Ex Officio members of the Policy and Programs Subcommittee.

#### **4. c. Member Mobilization**

The members of the Member Mobilization Subcommittee are appointed annually by the Chair of the GAC and consist of approximately half of the RVCs on the GAC, and any additional members at the discretion of the Chair ([such as the Members Council Representative](#)). Members of the Executive Subcommittee may, at their discretion, serve as *Ex Officio* members of the Member Mobilization Subcommittee.

**Background:** The Tech Council Representative has a good deal of knowledge that would be useful to the GAC Policy and Programs Subcommittee (PPSC). However, the MOP does not specify that the Tech Council Representative serve on the PPSC. The recommended changes to the GAC MOP would suggest having the Tech Council Representative serve on PPSC.

Similarly, the Members Council Representative has a good deal of knowledge regarding the grassroots, which could be useful to the GAC Member Mobilization Subcommittee (MMSC). The recommended changes to the GAC MOP would suggest having the Members Council Representative serve on MMSC.

**Fiscal Impact:** None.

**Staff Impact:** Minimal.

## GAC Motion on MOP Regarding Communications Coordinator

**Motion:** That the GAC recommends that Members Council approve the following changes to the GAC MOP regarding the Communications Coordinator:

GAC MOP – page 4: Duties of the Communications Coordinator:

1. Work with staff to ~~manage and improve update~~ relevant ASHRAE webpages and ~~social media outlets collateral materials~~.
2. ~~Work Solicit input from with~~ RVCs to ~~assess communication support needs at local and regional levels~~ ~~solicit and publish Journal and Insights articles~~.
3. Serve on this Committee's Executive Subcommittee.
4. Attend meetings of ~~other the Member Mobilization and Public Policy Subcommittees subcommittees~~ as needed.
5. Assists with any MBOs involving communication and messaging, including ~~through~~ development of additional external collateral materials as well as internal ASHRAE communications.
6. Advances coalition building with other allied organizations to support advocacy and government engagement.
7. Reviews new communications tools and technologies and advises the GAC accordingly.

**Background:** The description of the Communications Coordinator in the GAC MOP is outdated and needs to be revised. The recommended changes better reflect the role of this position on the GAC and will help any incoming Communications Coordinator more quickly get up to speed and contribute to the GAC.

**Fiscal Impact:** None.

**Staff Impact:** Minimal.



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## MEMORANDUM

To: GAC Executive Subcommittee  
From: Emily Porcari and Alice Yates  
Date: January 7, 2026  
Re: IEQ Legislative Outreach and Opportunities in 2026

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This memo identifies opportunities for state and local IEQ government outreach for the 2026 legislative sessions. We believe this information would be helpful to share with the EHC Policy and Advocacy Subcommittee, and may also be useful for the newly created ASHRAE Center of Excellence for IEQ.

### Background

At the beginning of the COVID-19 pandemic in 2020, state legislators and policymakers introduced an unprecedented amount of legislation, policy, and guidance to address indoor air quality (IAQ). Over the past few years, these legislative efforts have evolved from focusing on COVID mitigation and utilizing federal funding from the American Rescue Plan, to focusing on establishing new state programs and state funding for improving poor IEQ. In particular, school IAQ, especially for K-12 schools, has emerged as a primary area of focus for new state-level funding and IAQ requirements.

ASHRAE members and staff are increasingly engaged in advocacy, outreach, and providing testimony and technical input on IAQ-related state legislation, and our expertise is needed and specifically requested by state legislators and their staff. Legislators have consistently been open to ASHRAE's technical input and recommendations regarding bill text, and in multiple cases have taken the initiative to reach out to ASHRAE members and staff directly to solicit input. **ASHRAE is seen as the go-to expert on IAQ, and our standards are often referenced in proposed legislation.**

### 2025 IEQ Legislation

In 2025, staff tracked 28 IEQ state bills that were relevant to ASHRAE's public policy priorities. In comparison, during Society Year 2024-2025, ASHRAE submitted letters and testimony on 22 IEQ-related bills. We realized success in these efforts as three bills referencing ASHRAE standards were signed into law due to advocacy from ASHRAE and partner organizations: bills in Virginia and Colorado that will improve school IAQ, and a bill in New Jersey that focuses on preventing Legionnaires' Disease. Attachment A summarizes ASHRAE's IEQ legislative activity in 2025.

## 2026 Legislative Sessions

Currently in January 2026, there are multiple states that have active IAQ-related legislation, included as Attachment B. We expect many more IEQ bills to be introduced, which we are actively tracking. (For example, Maine, Maryland, Connecticut, and Rhode Island are also likely to introduce IAQ-related legislation this session, based on activity in previous years.) The locations for which we expect ASHRAE efforts to yield greatest impact are listed below. While we want to be engaged across the U.S. (as well as globally), we recommend providing technical input and in-person testimony at these locations:

- Michigan
- New York
- Massachusetts
- Illinois
- California

## Conclusion

Numerous opportunities will present themselves during the 2026 state legislative sessions (which generally take place in the first half of the calendar year). We would like to make the EHC and the Center of Excellence for IEQ aware of these opportunities, as we will likely need their technical expertise to shape these bills as well as to potentially testify.

Attachment A: State IEQ Legislation Summary - 2025							
Legislation	Keyword	State	Technical			ASHRAE	
			Letter written?	Input Provided?	ASHRAE Testimony?	Standards Named	Signed into Law?
New York AB 980- requires daycares to provide IAQ	Daycare	NY	N			No	
Virginia HB 2618- school boards will be required to ensure IAQ in every public school and set a schedule/checklist for HVAC maintenance.	schools	VA	Y	Y		mentions ASHRAE but not a specific standard	yes
Massachusetts HD 2787- create a state IAQ task force	Statewide Task Force	MA	N			No	
Massachusetts HD 2520- requires public schools with a certain percentage of asthma prevalence among students to create an IAQ management plan	Schools	MA	N			No	
Massachusetts HD 2522- creates dept of indoor environments within the state public health dept.		MA	N			No	
Massachusetts HD 3476- creates a healthy and sustainable schools office, requires energy audits and ventilation assessments for certain schools that are consistent with ASHRAE 62.1.	Schools	MA	Y			62.1	
Massachusetts SD 1516- requires a plan for IAQ management in public buildings	Public Buildings	MA	Y		Y	mentions ASHRAE but not a specific standard	
Massachusetts SD 2275- creates healthy and sustainable schools office and requires energy audits and ventilation assessments for certain schools, consistent with ASHRAE standard 62.1	Schools	MA	Y			62.1	
New York A 2649- creates IAQ inspection and maintenance program for schools	Schools	NY	N	Y		N/A	
New York S. 3107- requires schools to undergo ventilation verification assessments consistent with ASHRAE standards	Schools	NY	Y	Y		ASHRAE standards named, but not a specific standard	
New York S. 3342/ H. 5618- creates an office of IAQ management and workforce development, references ASHRAE as an expert organization to partner with	Statewide Task Force	NY	N	Y		ASHRAE named, but not specific standards	
Illinois SB 2193/HB 429- school IAQ monitoring and HVAC improvement bill reintroduced from last session	Schools	IL	Y			N/A	
Colorado HB 25-1245- requires Dept. of Health to create an IAQ program for schools, according to ASHRAE standards 62.1, 52.2, 180 and 241.	schools	CO	Y	Y	Y	62.1, 62.2, 180, 241	Yes
California AB 832- continues funding for CalSHAPE, the HVAC improvement program for school buildings	Schools	CA	Y			N/A	
New York A. 5078- creates IAQ inspection program for public buildings that will inform new IAQ requirements to be created by the state Dept. of Health	Public buildings	NY	N	Y		N/A	
New York S. 7410- would require a study on the retrofitting needs of schools to improve IAQ.	Schools	NY	Y	Y		N/A	
New York S. 8078- requires openable windows in residential units to comply with ASHRAE standards	Residential	NY	Y			62.1	
Massachusetts SB 415- creates a commission to study minimum/maximum allowable temperatures in school facilities	Schools	MA	N			N/A	

Pennsylvania HB 1701- establishes Public School Facility Advisory Committee, requires Dept. of Education to assist schools with facility improvements based on building assessments consistent with ASHRAE standard	Schools	PA	N			no specific standard-- but 62.1 is relevant	
NY S. 8472- makes the existing legionella mitigation requirements for buildings with cooling towers stricter, changing reporting from once to twice a year, and notification for cleaning after a positive test as well as notifying the Health Dept. within 12 hours, not 24.	legionella	NY	N			no	
NY S. 3635- would identify and require an annual report from locations (potentially including outdoor spaces) that are susceptible to the spread of Legionnaires' disease, to be determined by the NY state health commissioner	legionella	NY	N			no	
NY S. 8487- would require NY state Health Dept. to start a legionnaires' disease awareness program to distribute materials to healthcare providers	legionella	NY	N			no	
NY A 9095- requires public water systems to implement more stringent Legionnaires' testing and reporting; also requires certain building owners to create a water management plan consistent with standard 188	legionella	NY	Y			yes	
New Jersey S. 2188- requires certain large buildings to comply with ASHRAE Standard 188	legionella	NJ	Y			yes	yes
MA S. 2594- creates a green and healthy school building commission and fund, focus includes energy efficiency and IEQ	Schools	MA	N			no	
FL SB 322- Requires landlords to provide air conditioning and keep temperatures below 82 degrees in units	Residential	FL	N			no	
NJ S 4917- creates a school district roof and HVAC inspection and replacement fund with \$500 million for upgrades	Schools	NJ	N			no	
MO SB 1901- bans indoor smoking in all buildings except specific cigar/tobacco bars with a permit	indoor smoking	MO	N			no	

## Attachment B: State IEQ Legislation Summary - 2026

				ASHRAE Standards Named	State in session?
State	Bill Number	Description	Keywords		
NY	AB 980	requires daycares to provide IAQ	Daycare	No	yes
MA	HD 2787	create a state IAQ task force	Statewide Task Force	No	yes
MA	HD 2520	requires public schools with a certain percentage of asthma prevalence among students to create an IAQ management plan	Schools	No	yes
MA	HD 2522	creates dept of indoor environments within the state public health dept.		No	yes
MA	HD 3476	creates a healthy and sustainable schools office, requires energy audits and ventilation assessments for certain schools that are consistent with ASHRAE	Schools	62.1	yes
MA	SD 1516	requires a plan for IAQ management in public buildings	Public Buildings	mentions ASHRAE but not a specific standard	yes
MA	SD 2275	creates healthy and sustainable schools office and requires energy audits and ventilation assessments for certain schools, consistent with ASHRAE standard	Schools	62.1	yes
NY	A 2649	creates IAQ inspection and maintenance program for schools	Schools	N/A	yes
NY	S 3107	requires schools to undergo ventilation verification assessments consistent with ASHRAE standards	Schools	mentions ASHRAE but not a specific standard	yes
NY	S 3342 / A 5618	creates an office of IAQ management and workforce development, references ASHRAE as an expert organization to partner with	Statewide Task Force	mentions ASHRAE but not a specific standard	yes
IL	SB 2193 / HB 429	school IAQ monitoring and HVAC improvement bill	Schools	N/A	no

CA	AB 832	continues funding for CalSHAPE, the HVAC improvement program for school buildings	Schools	N/A	yes
NY	A 5078	creates IAQ inspection program for public buildings that will inform new IAQ requirements to be created by the state Dept. of Health	Public buildings	N/A	yes
NY	S 7410	requires a study on the retrofitting needs of schools to improve IAQ.	Schools	N/A	yes
NY	S 8078	requires openable windows in residential units to comply with ASHRAE standards	Residential	62.1	yes
MA	SB 415	creates a commission to study minimum/maximum allowable temperatures in school facilities	Schools	N/A	yes
PA	HB 1701	establishes Public School Facility Advisory Committee, requires Dept. of Education to assist schools with facility improvements based on building assessments consistent with ASHRAE standard	Schools	no specific standard-- but 62.1 is relevant	yes
NY	S 8472	makes the existing legionella mitigation requirements for buildings with cooling towers stricter, changing reporting from once to twice a year, and notification for cleaning after a positive test as well as notifying the Health Dept. within 12 hours, not 24.	legionella	no	yes
NY	S. 3635	would identify and require an annual report from locations (potentially including outdoor spaces) that are susceptible to the spread of Legionnaires' disease, to be determined by the NY state health	legionella	no	yes
NY	S. 8487	would require NY state Health Dept. to start a legionnaires' disease awareness program to distribute materials to healthcare providers	legionella	no	yes
NY	A 9095	requires public water systems to implement more stringent Legionnaires' testing and reporting; also requires certain building owners to create a water management plan consistent with standard 188	legionella	yes	yes
MA	S. 2594	creates a green and healthy school building commission and fund, focus includes energy	Schools	no	yes
FL	SB 322	Requires landlords to provide air conditioning and keep temperatures below 82 degrees in units	Residential	no	no
NJ	S 4917	creates a school district roof and HVAC inspection and replacement fund with \$500 million for upgrades	Schools	no	no

MO	SB 1901	bans indoor smoking in all buildings except specific cigar/tobacco bars with a permit	indoor smoking	no	yes
NJ	S 4917	establishes school district roof and HVAC inspection and replacement fund with \$500 million	schools	no	no
PA	HB 2085	new requirements for public water systems to prevent legionnaires' disease, and for building owners and operators to create water mgmt plans consistent with ASHRAE standards	legionella	Standard 188, Guideline 12	yes
VA	HB 119	creates a stakeholder group to assess proposed changes to temperature regs for apartments, range of	temperature	no	no
VA	HB 81	set max temp for assisted living and day care facilities at 77 degrees	temperature	no	no

**GOVERNMENT AFFAIRS CATEGORY 2025-26 PAOE**

MINIMUM: 500 POINTS		PAR: 1250 POINTS
<b>Presidential Initiatives:</b>		
GA1	50 points; (500 points maximum)	For discussion with government associates based on alignment with the current <b>Society Theme</b> .
GA2	100 point (300 points maximum)	Discussing and sharing the ASHRAE <del>Decarbonization position (Policy) document</del> <a href="#">Public Policy Priorities</a> with a government, department, policy maker or agency
<b>Efficient use of volunteers' time:</b>		
GA3	50 points; (150 points maximum)	For establishing and maintaining a chapter Government Affairs Committee with at least 2 members to promote ASHRAE with state, provincial, and local government (50 bonus points if GAC committee includes a government employee; 100 bonus points if the GAC chair is a government employee)
GA4	50 points; (minimum 1 hour of training; 100 points maximum)	For government affairs training for chapter officers and future leaders (50 bonus points if the training includes a speaker/presenter who is a government official)
GA5	50 points; (50 points maximum)	For CTTC chair serving on the GAC committee in an effort to promote GAC topics for chapter meeting presentations
GA6	50 points; (50 points maximum)	For the use of ASHRAE GAC email alias by the committee chair in communicating with government officials and the listing of the alias on the chapter website.
<a href="#">GA7</a>	<a href="#">100 points</a>	<a href="#">For the incoming GAC Chair to meet with the outgoing GAC Chair to review responsibilities, obtain templates, and receive prior-year reports. Meeting just occur by August 31</a>
<b>Awards and Submission Activities:</b>		
GA87	100 points; (300 points maximum)	For each Chapter Government Affairs Award entry into Society or Regional competition ( <i>each Award entry counted only once</i> )
GA98	50 points; (250 points maximum)	For each article on a government affairs <del>activities-related</del> <a href="#">activity</a> (e.g., state provincial, or local legislative or regulatory issue) published in a chapter newsletter or posted on a chapter website with copy sent to RVC (maximum of two articles per month)
<b>Meetings, Presentations or Events:</b>		
GA109	100 points; (200 points maximum)	For each <del>joint</del> chapter meeting <a href="#">planned and held</a> with local, state, or provincial government entity to discuss a built environment or HVAC&R industry-related topic (Must <del>show- provide</del> RVC <del>confirmation-of</del> joint planning <a href="#">documentation</a> with the <del>other</del> <a href="#">government</a> entity to promote the meeting)
GA110	100 points; (200 points maximum)	For each action or activity that commemorates or promotes National Engineers' Week or non-US equivalent activity that promotes Engineering, World Refrigeration Day, World Standards Day or other national/global events
GA124	50 points; (200 points maximum)	Holding a chapter meeting with government official <a href="#">and that is focused on at least one of the Society's current Public Policy Priorities. focusing on the Society Theme and the need for more people in the HVAC&amp;R and buildings industry, including the need for capacity building within the building codes adoption and enforcement sector.</a>
GA132	100 points; (200 points maximum)	For each chapter meeting with an invited government official in attendance with a technical presentation
GA143	50 points; (100 points maximum)	For each Chapter program on the topic of government activities ( <i>minimum 45 minute presentation; maximum 2</i> )

**GOVERNMENT AFFAIRS CATEGORY 2025-26 PAOE**

GA154	100 points; (400 points maximum)	For each occurrence of an ASHRAE chapter member presenting or giving testimony to a public meeting or hearing on a subject where ASHRAE's resources and standards are being used in the discussion of the subject matter
GA164	200 points; (600 points maximum)	For each piece of legislation that is drafted or modified per input from ASHRAE chapter members who provided technical assistance. The legislation must be in line with ASHRAE PPP's for current SY, PPIB's and PD's. Legislation does not have to pass for points to be counted, but summary report must be sent to RVC before claiming points
GA176	50 points; (600 points maximum)	For each letter sent to a government official at the request of the Government Affairs Committee with the goal of promoting the Society's Public Policy Priorities <b>or other official positions</b> .
<b>RVC/Chapter GAC Chair may enter the following points:</b>		
GA187	50-150 points; (150 points maximum)	For the incoming Chapter GAC committee chair attending the GAC CRC workshop <u>(50 points)</u> <i>For chapter representative other than the chair who is a senior officer or member of GAC (50 points per representative, with maximum of two.)</i>
GA198	<del>50-100</del> <u>75 or 175</u> points per meeting; (no points maximum)	For each documented personal contact (meeting) by a chapter member with government officials (at any level of government relevant to buildings, engineering or construction, sustainability including building officials, school boards and universities school system facility staff, state energy code officials, tribal government entities etc.) with the goal of promoting ASHRAE's <u>Public Policy Priorities related subjects</u> or Chapter goals and objectives, with notification and submission of a record via the online portal. <del>sent to the ASHRAE Government Affairs Office</del> <u>(75 Points will only be given once assigned by the RVC once a report is submitted to the ASHRAE Government Affairs Office. Points will be assigned by the RVC, once the report is submitted to the Government Affairs Office.)</u> <u>An additional 100 points are available if the meeting includes a subject matter expert (SME) secured through the ASHRAE SMEs for GOEs Pilot Program.</u>
GA2019-	100 points; (200 points maximum)	For chapter submitting local issues related to ASHRAE's <u>Public Policy Priorities and decarbonization</u> , identified with goals and report(s) to RVC <i>(with a cap of 200 points in one year)</i>
GA210-	50-100 points; (100 points maximum)	For planning/goal setting session with RVC <i>(points assigned by RVC by October 1 or 2 weeks after the CRC, whichever is later)</i>
GA221	10 –300 points; (300 points maximum)	For achieving goals established in goal-setting session with RVC <i>(points assigned by RVC by June 30)</i>

## GAC PPIB Status Table (SY25-26) updated 1.23.26

Topic	Expires	Status	Reviewers	Comments
<b>Existing PPIBs</b>				
<b>Building Electrification</b>	February 2026	Ready for vote	PJ Johnston	<i>Comments from PPSC incorporated</i>  <i>Comments from CEBD incorporated</i>
<b>Building Decarbonization</b>	June 2026	PPSC Review Ongoing	Doug Cage, PJ Johnston	<i>Comments from PJ Johnston incorporated &amp; discussed with staff</i>  <i>Shared with CEBD for review (expected back 1/23)</i>
<b>Building Energy Benchmarking</b>	June 2026	PPSC Review Ongoing	Jessica Renner, Varun Jane	<i>Comments from PPSC incorporated; some comments addressed by staff with additional context provided on others</i>  <i>Comment from staff related to the need that building energy use data be made available</i>
<b>Climate Change and the Built Environment</b>	June 2026	PPSC Review Ongoing	Doug Cage, Alex Armstrong, PJ Johnston	<i>Minor edits only needed</i>
<b>Consensus Standards- Expert Solutions to Meet Global Needs</b>	June 2026	PPSC Review Ongoing	Doug Cage	<i>Comments from staff added to improve arguments related to copyright protections and incorporate requests shared by leadership</i>
<b>Environmental Tobacco Smoke And Electronic Nicotine Delivery Systems</b>	June 2026	PPSC Review Ongoing	Adrienne Mitani	<i>Comments from PPSC incorporated with additional context and edits from staff</i>  <i>Draft shared with EHC for comments with specific questions related to VOC/ozone chemistry and whether any changes to the ETS Position Document should be incorporated here</i>  <i>EHC has been provided with a copy on 12-19-2025, and specific questions were shared in a follow-up on 1-23-2026</i>
<b>Indoor Air Quality</b>	June 2026	PPSC Review Ongoing	Doug Cage, Geoff Jenks	<i>Comments from staff were incorporated to better describe the importance of ASHRAE standards in an IAQ context and the importance of considering thermal comfort and extreme heat.</i>  <i>EHC has been provided with a copy on 12-19-25, and specific questions were shared in a follow-up on 1-23-2026</i>

Topic	Expires	Status	Reviewers	Comments
<b>Refrigerants and Their Responsible Use</b>	June 2026	PPSC Review Ongoing	PJ Johnston	<p><i>Comments from PPSC incorporated</i></p> <p><i>Comments from Doug Reindl, former chair of TC 15 and lead of ad-hoc committee on A3 refrigerants incorporated</i></p>
<b>Resiliency in the Built Environment</b>	June 2026	PPSC Review Ongoing	Jessica Renner	<p><i>Comments from PPSC incorporated with some additional context added by staff</i></p> <p><i>Comments from the 2025 DRSC review of this PPIB about specific events that require resilience and IEQ considerations were addressed by staff</i></p> <p><i>A recommendation from the DRSC that this PPIB use the word “resilience” rather than “resiliency” was also addressed by staff</i></p>
<b>STEM Education &amp; Workforce</b>	June 2026	PPSC Review Ongoing	Adrienne Mitani	<p><i>Comments from PPSC incorporated</i></p> <p><i>Two comments from staff incorporated to address state legislation that would affect the development of industry-specific AI tools and attempts to unnecessarily undercut oversight and/or requirements of the professional engineer license</i></p>
<b>Indoor Carbon Dioxide</b>	June 2026	PPSC Review Ongoing	Geoff Jenks	<p><i>Minor edits only needed</i></p> <p><i>Current edits (and comments) aim at improving specificity to guide legislative development.</i></p> <p><i>EHC has been provided with a copy (email sent on 12-19-2025), and they have provided comments.</i></p>
<b>Wildfires and Indoor Environmental Health</b>	June 2026	PPSC Review Ongoing	Alex Armstrong, Geoff Jenks	<p><i>Minor edits only needed</i></p> <p><i>EHC has been provided with a copy (email sent on 12-19-2025), and they may have comments</i></p>
<b>Potential New PPIBs</b>				
<b>Commissioning</b>		Draft expected to be delivered to GAC by Winter Meeting; publication		Chad Smith leading development on behalf of ASHRAE VP Sarah Matson (he is working with TC 7.9, Billy Austin, and Doug Cochran).

Topic	Expires	Status	Reviewers	Comments
		expected at the beginning of SY26-27.		
<b>Electricity Generation in Building Electrification</b>		Initial draft complete for PPSC consideration		Discussed first during 11/24 PPSC meeting. Patrick Villaume has continued work on this in partnership with TC 6.2
<b>District Energy</b>				Patrick Villaume continuing work on this—hopeful to have a draft submitted by mid-February
<b>Infectious Disease</b>		Draft with PPSC for review		Draft developed by chair of infectious disease PD; Comments from Andy and under review by chair of Standard 241
<b>Environmental Justice in Building Design</b>				Discussed at SY24-25 annual conference with agreement that this should remain on the list of potential PPIBs.



## BUILDING ELECTRIFICATION

### THE ISSUE

Building electrification is often viewed as an essential strategy for [building decarbonization](#), but electrification, in and of itself, does not necessarily guarantee decarbonization. Building electrification refers to transitioning all or portions of building systems to electricity instead of on-site fossil fuel-based, non-electric energy. Space and water heating, some chilled water generation, snow melt, cooking, laundry, and emergency power backup commonly use on-site fossil fuel-based energy.

Electrification of building services contributes to decarbonization when the [source of](#) electricity comes from low-<sup>4</sup> or zero-carbon [energy](#) sources, such as solar, wind, tidal/wave, hydro, waste to energy, green hydrogen, and nuclear. [Many Utilities-utilities](#) are pursuing grid decarbonization goals by transitioning to low- or zero-carbon generation. Some regional grids have decarbonized significantly, putting building electrification on [a-the](#) "fast track" [fortoward](#) total building decarbonization.

At a higher level, beneficial electrification can go beyond decarbonization. It may provide additional outcomes, including a healthier indoor environmental quality through reduced fossil fuel combustion, improved outdoor air quality through reduced particulate pollution, energy cost reduction (depending on utility rates), and a more flexible and resilient grid.

The growth of building (and transportation) electrification could require a significant increase in electrical grid capacity [without](#), emphasizing energy efficiency, energy storage, grid-interactive building design and control, and alignment of consumption with carbon-free electricity generation (i.e., demand flexibility) to minimize the increase in peak demand. [Relative to longstanding electric resistance heating, modern heat pump technologies require less energy consumption. Compared with traditional electric resistance heating, modern heat pump technologies require less energy and peak power.](#) Building electrification can increase capital and operating costs, strand existing fossil fuel equipment, and [pose](#) retrofit challenges without careful planning and implementation. Many highly energy-efficient buildings with all-electric systems are already being designed, built, and retrofitted. Further technological improvements and local and national policy incentives will accelerate building electrification, improve system performance, and reduce installation and operating costs.

### ASHRAE's ROLE

ASHRAE stands at the forefront in developing standards, guidance, and education for the design, manufacturing, installation, and operation of building systems and equipment. These resources can also provide governments with a technical foundation for beneficial building electrification policies. ASHRAE's relevant consensus-based standards include new proposed standards and those being updated to specifically reflect decarbonization specifically:

- Standard 90.1, *Energy Efficiency Standard for Sites and Buildings Except Low-Rise Residential Buildings*
- Standard 90.2, *High-Performance Energy Design of Residential Buildings*
- Standard 100, *Energy and Emissions Building Performance Standard for Existing Buildings*
- Standard 105, *Standard Methods for Determining, Expressing and Comparing Building Energy Performance and Greenhouse Gas Emissions*

ASHRAE Government Affairs Office 1255 23<sup>rd</sup> Street NW, Suite 825, Washington, DC 20037  
Tel: 202.833.1830 | [GovAffairs@ashrae.org](mailto:GovAffairs@ashrae.org)

Updated February ~~2025~~2026

**Commented [GN1]:** Language added to address this comment from from P.J. Johnston:

"I think the fourth paragraph of "electrification" should favorably mention heat pump primary heat. It usually requires less energy consumption and peak electrical power."

**Commented [AY2R1]:** Good - can you run your language past PJ?

**Commented [GN3R1]:** Added "electric" per PJ's recommendation

**Commented [BE4R1]:** I agree with the comment. See proposed rewrite.

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- Standard 201, *Facility Smart Grid Information Model*
- Standard 211, *Standard for Commercial Building Energy Audits*
- Standard 228, *Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance*
- [Proposed Standard 240P, \*Evaluating Greenhouse Gas \(GHG\) and Carbon Emissions in Building Design, Construction and Operation\*](#)
- [Proposed Standard 242P, \*Standard Method for Calculation of Building Operational Greenhouse Gas Emissions\*](#)
- [Proposed Standard 244P, \*Sustainability Assessment for Mechanical, Electrical, and Plumbing Products\*](#)

Additional technical resource guides have been developed by ASHRAE’s Center of Excellence for Building Decarbonization – See [www.ashrae.org/decarb](http://www.ashrae.org/decarb)

- *Grid-Interactive Buildings for Decarbonization: Design and Operation Resource Guide*
- *Decarbonizing Building Thermal Systems: A Guide for Applying Heat Pumps and Beyond*

### ASHRAE’s VIEW

ASHRAE supports the global need to reduce emissions from buildings, including through beneficial electrification. ASHRAE encourages policymakers to consider the following:

1. High-efficiency all-electric appliances and technologies can reduce greenhouse gas (GHG) emissions from buildings using zero-carbon or low-carbon emissions electricity.
2. Hybrid (partial) electrification retrofits can be beneficial where climate and/or heating load profiles currently make complete electrification uneconomical.
3. Replacement of fossil-fuel heating equipment before end-of-life can have a negative impact on embodied carbon and refrigerant emissions. Therefore, electrification retrofits should be analyzed from a whole life cycle carbon perspective, and transitions should be phased over time and at equipment end-of-life, as necessary.
4. ~~This shifting~~ towards high-efficiency all-electric appliances, ~~combined~~ with an increasingly clean grid, has the potential to improve indoor and outdoor air quality and lower GHG emissions.
5. Widespread electrification of building heating and domestic hot-water systems could require a substantially larger electrical grid infrastructure, unless there are commensurate reductions in building energy demand through energy efficiency, energy storage, and smart building-grid integration.
6. While future HVAC equipment will utilize much lower global warming potential (GWP) refrigerants, ~~implementing~~ high-GWP phase-out plans and refrigerant management will dramatically reduce the current impact of refrigerant leakage on overall building GHG emissions.
7. The ability of buildings to interact with the electric grid can help maximize the use of low- or zero-carbon electricity and optimize the use of on-site energy storage, allowing for dynamic operation to align with real-time renewable energy availability, reduce peak demand, and manage load.
8. ~~Current Modern~~ heat pump technology ~~has become~~ more energy-efficient, ~~can generate much higher supply temperatures, and can operate across a broader range of outdoor ambient temperatures, and effective at operating in diverse climates~~. This has improved its compatibility with existing heating distribution systems and effectiveness in cold climates. Heat pumps can also efficiently provide cooling in climates that require air conditioning.

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Updated February ~~2025~~2026

**Commented [GN5]:** Is it possible this will be published prior to July 1, 2026?

**Commented [AY6R5]:** Yes - that will be addressed through Tech Council review.

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**Commented [BE7]:** I added these two new proposed standards related to decarbonization. However, this puts us over the 2 page limit. I made a few tweaks and got close. I would eliminated Standard 105 to keep the two new ones.

**Commented [GN8]:** For CEBD: Are there any other resources we should highlight here?

**Commented [BE9R8]:** Specifically regarding the topic of Building Electrification, I think those two are the best resources. Other resources that have been developed are targeted to specific building types or other concepts like whole life carbon.

**Commented [GN10]:** I think a compelling argument about improved heat pumps is buried under jargon

**Commented [AY11R10]:** Good - please run past PJ - thanks!

**Commented [GN12R10]:** PJ and I discussed this, and he agreed the plain language will be more useful in communicating to legislators/staff.

**Commented [BE13R10]:** I am good with this change.

9. Building electrification and decarbonization requires support for workforce training for all who design, build, install, operate and maintain building systems.
  10. Collaboration between policymakers, HVAC equipment manufacturers, architects and engineers, and other industry stakeholders is needed to advance the development of efficient, scalable building electrification technologies suitable for a wide range of building types and climates.
-



Shaping Tomorrow's Global  
Built Environment Today

## **BUILDING ELECTRIFICATION**

### **THE ISSUE**

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Updated February 2026

#### *Performance*

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8. Modern heat pump technology is more energy-efficient and effective at operating in diverse climates. This has improved its compatibility with existing heating distribution systems and effectiveness in cold climates. Heat pumps can also efficiently provide cooling in climates that require air conditioning.
9. Building electrification and decarbonization requires support for workforce training for all who design, build, install, operate and maintain building systems.
10. Collaboration between policymakers, HVAC equipment manufacturers, architects and engineers, and other industry stakeholders is needed to advance the development of efficient, scalable building electrification technologies suitable for a wide range of building types and climates.



TRACKING GOVERNMENT  
OUTREACH EVENTS SY 2025-  
2026

PROGRESS CHART:  
Government Outreach Events

Note: Delta assumes that ALL  
planned and scheduled events  
are held (negative indicates  
that we are behind the goal).

0

	Target	Held	Scheduled	Planned	Delta	Reporting Forms	Recurring Meetings	# of Government Attendees
City/Local		12	0	0	12	11	2	18
State		15	13	8	36	12	2	49
Federal		1	0	0	1	1	0	1
Global		10	0	6	16	9	0	28
In-Person		31						
Virtual		8						
<b>Total</b>	<b>100</b>	<b>38</b>	<b>13</b>	<b>14</b>	<b>-35</b>	<b>33</b>	<b>4</b>	<b>96</b>

Note: Totals may not add up due to rounding

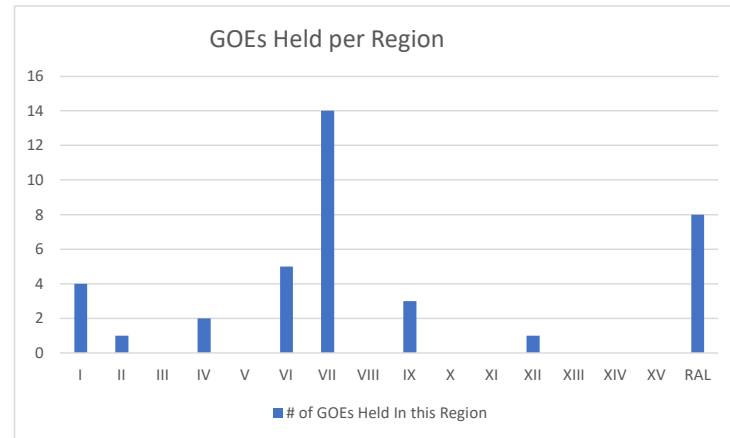
SY25-26 SUMMARY TOTALS (to date):	Number of Attendees (ASHRAE Members)	Number of Meetings	Number of in-person Meetings	Number of virtual meetings
Local	17	12	10	2
State	65	32	28	4
Federal	1	1	1	0
Global	35	10	8	2
<b>TOTAL:</b>	<b>118</b>	<b>55</b>	<b>47</b>	<b>8</b>

**In Comparison**

<b>SY24-25 SUMMARY TOTALS:</b>	<b>Number of Attendees</b>			
	<b>(ASHRAE Members)</b>	<b>Number of Meetings</b>	<b>Number of in-person Meetings</b>	<b>Number of virtual meetings</b>
<b>State</b>	<b>189</b>	<b>172</b>	<b>154</b>	<b>18</b>
<b>Federal</b>	<b>75</b>	<b>44</b>	<b>15</b>	<b>29</b>
<b>Local</b>	<b>10</b>	<b>10</b>	<b>9</b>	<b>1</b>
<b>Global</b>	<b>257</b>	<b>247</b>	<b>42</b>	<b>5</b>
<b>TOTAL:</b>	<b>531</b>	<b>273</b>	<b>220</b>	<b>53</b>

**SY 24-25 Regional Comparisons**

<b>Region (arabic numeral)</b>	<b>Region</b>	<b># of GOEs Held In this Region</b>
1	I	4
2	II	1
3	III	0
4	IV	2
5	V	0
6	VI	5
7	VII	14
8	VIII	0
9	IX	3
10	X	0
11	XI	0
12	XII	1
13	XIII	0
14	XIV	0
15	XV	0
RAL	RAL	8



**ASHRAE Government Affairs Committee**  
**2026 Winter Meeting**  
**Regional Vice Chair Reports**  
**For Presentation at the 2026 January 30th**  
**Government Affairs Committee Meeting**

## **E: STANDARDIZED RVC/ REPORTING FORMAT**

The following information is compiled into a summary spreadsheet showing activity for each region. The spreadsheet is reviewed by GAC at each Society meeting.

### **RVC Report for Region 2**

<b>ACTIVITY</b>	
<b>CRC</b>	
Total number of chapters in region	9
Number of chapters present	8
Number of GA chapter chairs present	8
Percentage of participation	88%
Percentage of GA chapter chair participation	88%
No. of planning sessions held	9
<b>PAOE</b>	
No. of Chapters Reporting PAOE Points:	9
No. of Chapters Making Society Minimum :	3
No. of Chapters Making Society PAR :	1
Highest PAOE Points by a Chapter:	1600
Percentage of chapters reporting	100%
Percentage of chapters making Society Minimum	33%
Percentage of chapters making Society PAR	11%
<b>CHAPTER VISITS</b>	
No. of visits made:	0
No. of visits scheduled:	4
Percentage of chapters visited:	0
<b>GAC AWARDS</b>	
Government. Affairs Award	0
<b>Government Outreach Days</b>	
No. of Chapters Participating	4
No. of government officials visited	18
No. of ASHRAE members participating	4
No. of Chapters reporting	4
No. of days duration	2



# Region II GA Report

Adrienne Mitani – Region II RVC (SY '24-'27)  
Global Affairs & Policy and Programs Sub-Committees  
Las Vegas January 2026



# Chapter Status

Chapter	CRC	Planning	RVC Visit	PAOE (Par = 1000)	Meetings Held
Windsor	Y	Y		1080	1
London	Y	Y		525	
Hamilton	Y	Y	*Y	350	
Toronto	Y	Y	*Y	150	0
Ottawa	N	Y		1600	4
Montreal	Y	Y	*Y	50	1
Quebec	Y	Y		250	
Halifax	Y	Y		350	1
NB / PEI	Y	Y	*Y	250	



# Chapter Accomplishments

- **Halifax** - Organized a Benchmarking workshop with Provincial/Municipal employees collaborating with EfficiencyOne/NRCan
- **Quebec City & Montreal** - Are working together to organize with QMC and a joint letter encouraging unspent decarbonization funding from the province.
- **London** - ASHRAE sent a letter to the City of London about the Legionella outbreak.
- **Windsor** - Chapter meeting themed for Government affairs with Municipal officials attending.
- **Ottawa** - Chapter meeting with presentations from Government research



# Day on the Hill

- **Region II Federal Day on the Hill with HRAI** - 2 volunteers from Ottawa (President + GA Chair), 1 Toronto (DAL) , 1 Montreal (DRC) as well as Presidential member Darryl Boyce.
  - 15 meetings with Ministers of Parliament, 4 Ministry meetings
  - Agency roundtable including Standards Canada, CBHCC (canadian board for Harmonized construction code, NRC, NRCan, Environment and Climate Change Canada (ECCC)



# 2025/2026 Goals and MBOs

- Achieving planning meetings with all chapters.
  - Completed!
- At least 2 Chapter visits
  - Have 4 on the books upcoming
- Hold Monthly Office hours
  - Have held 4 office hours
- Send monthly emails
  - Have done 3 monthly email newsletter to chairs/chapters
- Set up a shared Google drive for chairs, with relevant information and resources, links and chapter reports



# In the works for 2026

- Working with chairs and chapters to get PAOE points submitted for events and work completed.
  - Supporting committees that are struggling
  - Supporting Ontario and Quebec chapters in planning Day on the Hill type events.
- 
- Montreal is preparing for some meetings with Hydro Quebec
  - Halifax is planning follow up session in the spring tied with the Green Building Atlantic Conference
  - Windsor has plans for outreach to set up some meetings with local officials for the spring.



## **E: STANDARDIZED RVC/ REPORTING FORMAT**

The following information is compiled into a summary spreadsheet showing activity for each region. The spreadsheet is reviewed by GAC at each Society meeting.

### **RVC Report for Region 3**

<b>ACTIVITY</b>	
<b>CRC</b>	
Total Number of Chapters in the Region	11
Number of Chapters Present	9
Number of GA Chapter Chairs Present	4
Percentage of Participation	40%
Percentage of GA Chapter Chair Participation	4
No. of Planning Sessions Held	11
<b>PAOE</b>	
No. of Chapters Reporting PAOE Points	11
No. of Chapters Making Society Minimum	0
No. of Chapters Making Society PAR	0
Highest PAOE Points by a Chapter	250
Percentage of Chapters Reporting	100%
Percentage of Chapters Making Society Minimum	0%
Percentage of Chapters Making Society PAR	0%
<b>CHAPTER VISITS</b>	
No. of Visits Made:	2
No. of Visits Scheduled:	4
Percentage of Chapters Visited:	40%
<b>GAC AWARDS</b>	
Government. Affairs Award	0
<b>GOVERNMENT OUTREACH DAYS</b>	
No. of Chapters Participating	3, 10 into 2026
No. of Government Officials Visited	4
No. of ASHRAE Members Participating	3
No. of Chapters Reporting	0
No. of Days Duration	3



# Government Affairs Report 2024/2025

# RVC Bio

**Patrick Villaume**

**Senior Manager, Patterson-Kelley**

**Easton, PA, US**

**Chapter 098 Lehigh Valley**

**GA Chapter Chair 2020-Present**

**RVC Term 2024/2027**



# Region III Status Report 2024/2025

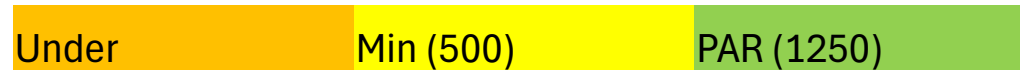
CRC	
Total Number of Chapters in the Region	11
Number of Chapters Present	9
Number of GA Chapter Chairs Present	4
Percentage of Participation	40%
Percentage of GA Chapter Chair Participation	4
No. of Planning Sessions Held	11
PAOE	
No. of Chapters Reporting PAOE Points	11
No. of Chapters Making Society Minimum	0
No. of Chapters Making Society PAR	0
Highest PAOE Points by a Chapter	250
Percentage of Chapters Reporting	100%
Percentage of Chapters Making Society Minimum	0%
Percentage of Chapters Making Society PAR	0%

CHAPTER VISITS	
No. of Visits Made:	2
No. of Visits Scheduled:	4
Percentage of Chapters Visited:	40%
GAC AWARDS	
Government. Affairs Award	0
GOVERNMENT OUTREACH DAYS	
No. of Chapters Participating	3, 10 into 2026
No. of Government Officials Visited	4
No. of ASHRAE Members Participating	3
No. of Chapters Reporting	0
No. of Days Duration	3



# Region II Status Report 2024/2025

Chapter name	2022-2023	2023-2024	2024-2025	2025-2026
PHILADELPHIA	0	0	50	50
CENTRAL PENNSYLVANIA	2550	1450	2050	150
PITTSBURGH	50	0	250	200
BALTIMORE	1650	1350	1450	50
NATIONAL CAPITAL	2050	450	1250	150
HAMPTON ROADS	550	0	100	100
RICHMOND	600	100	100	100
LEHIGH VALLEY	600	1710	1300	100
ROANOKE	0	0	0	50
ANTHRACITE	650	650	1270	50



# Regional Accomplishments

- Increased communication within the Region on Localized Activities
- Participating in Member Mobilization and Policy & Programs Sub-Committees
- Worked to fill additional GA Chair/Co-Chair roles within Chapters
  - Chapter Mentor Activities
- Connected affiliated organizations to ASHRAE to pair common goals (ASPE, ASME, AHRI)
- Established localized connections within region (Philadelphia, LV, Anthracite)
- National Engineers Week Activities



# Alternative Activities

- Outreach to new PA Senate and House Representation
- City of Baltimore (Upcoming)
- NAVFAC Outreach



# 2025/2026 Goals Status

- (3) “Day on the Hill” Activities
  - Pennsylvania (May 2026)
  - Maryland (TBD)
  - Virginia (TBD)
- (± 2) DC-Based Activities
  - Activity based on local codes proposed, Lunch and Learn
- (3) Major City-Based Activities [Philadelphia, Pittsburgh, Allentown, etc.]
  - Allentown
  - Philadelphia
  - Scranton
  - Baltimore
- (2) Engineer Week Activities



# Lessons Learned/Work In-Progress

- Most activities happening February-May 2026
- Changes occurring in federal policy have changed participation
- Building base resources and working with mentorship between regions to foster better participation



**E: STANDARDIZED RVC/ REPORTING FORMAT**

The following information is compiled into a summary spreadsheet showing activity for each region. The spreadsheet is reviewed by GAC at each Society meeting.

**RVC Report for Region V – January 30, 2026**

<b>ACTIVITY</b>	
<b>CRC</b>	<b>July 24-25, 2025 (Columbus, OH)</b>
Total number of chapters in region:	13
Number of chapters present:	12
Number of GA chapter chairs present:	3 (Detroit, Akron, Columbus)
Percentage of participation:	92%
Percentage of GA chapter chair participation:	23%
No. of planning sessions held:	3
<b>PAOE</b>	
No. of Chapters Reporting PAOE Points: (As of 1/11/26)	3 (Cleveland, Central IN, Evansville)
No. of Chapters Making Society Minimum:	1 (Evansville)
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	600 (Evansville)
Percentage of chapters reporting:	23%
Percentage of chapters making Society Minimum:	8%
Percentage of chapters making Society PAR:	0%
<b>CHAPTER VISITS</b>	
No. of visits made:	0
No. of visits scheduled:	3 Planned (Indy, Columbus, W MI)
Percentage of chapters visited:	23%
<b>GAC AWARDS</b>	
Government. Affairs Award:	None
<b>Government Outreach Days</b>	
No. of Chapters Participating:	Anticipate 6
No. of government officials visited:	Anticipate 20
No. of ASHRAE members participating:	Anticipate 16
No. of Chapters reporting:	Anticipate 13
No. of days duration:	2 DOTH Planned, 2 local offices planned



# Region V

Government Affairs Report

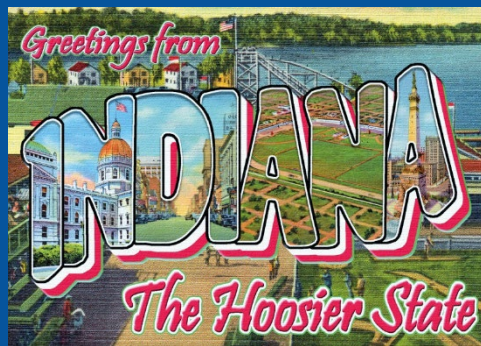
January 30, 2026



GAC - Region V RVC

Adam Doublestein

West Michigan Chapter



# Region Summary

## RVC Report for Region V – January 30, 2026

<b>ACTIVITY</b>	
<b>CRC</b>	<b>July 24-25, 2025 (Columbus, OH)</b>
Total number of chapters in region:	13
Number of chapters present:	12
Number of GA chapter chairs present:	3 (Detroit, Akron, Columbus)
Percentage of participation:	92%
Percentage of GA chapter chair participation:	23%
No. of planning sessions held:	3
<b>PAOE</b>	
No. of Chapters Reporting PAOE Points: (As of 1/11/26)	3 (Cleveland, Central IN, Evansville)
No. of Chapters Making Society Minimum:	1 (Evansville)
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	600 (Evansville)
Percentage of chapters reporting:	23%
Percentage of chapters making Society Minimum:	8%
Percentage of chapters making Society PAR:	0%

# Region Summary

## RVC Report for Region V – January 30, 2026

<b>ACTIVITY</b>	
<b>CHAPTER VISITS</b>	
No. of visits made:	0
No. of visits scheduled:	3 Planned (Indy, Columbus, W MI)
Percentage of chapters visited:	23%
<b>GAC AWARDS</b>	
Government. Affairs Award:	None
<b>Government Outreach Days</b>	
No. of Chapters Participating:	Anticipate 6
No. of government officials visited:	Anticipate 20
No. of ASHRAE members participating:	Anticipate 16
No. of Chapters reporting:	Anticipate 13
No. of days duration:	2 DOTH Planned, 2 local offices planned

# Planned Activities

## Events:

- Ohio DOT: Planning for May 13<sup>th</sup> or 20<sup>th</sup>
- Indiana DOT: Scheduled for Feb. 10<sup>th</sup>
- Michigan: In-person Local Office Visits
  - Mark Huizenga – Scheduled for Jan. 26<sup>th</sup>
  - Thomas Alberts – Planned for Feb.

# Region V

Thank You!

**E: STANDARDIZED RVC/ REPORTING FORMAT**

The following information is compiled into a summary spreadsheet showing activity for each region. The spreadsheet is reviewed by GAC at each Society meeting.

**RVC Report for Region VI**

ACTIVITY	
<b>CRC</b>	
Total number of chapters in region	11
Number of chapters present	0
Number of GA chapter chairs present	0
Percentage of participation	0%
Percentage of GA chapter chair participation	0%
No. of planning sessions held	0
<b>PAOE</b>	
No. of Chapters Reporting PAOE Points:	6
No. of Chapters Making Society Minimum :	1
No. of Chapters Making Society PAR :	0
Highest PAOE Points by a Chapter:	800
Percentage of chapters reporting	55%
Percentage of chapters making Society Minimum	9%
Percentage of chapters making Society PAR	0%
<b>CHAPTER VISITS</b>	
No. of visits made:	0
No. of visits scheduled:	0
Percentage of chapters visited:	0%
<b>GAC AWARDS</b>	
Government. Affairs Award	No
<b>Government Outreach Days</b>	
No. of Chapters Participating	10
No. of government officials visited	TBD
No. of ASHRAE members participating	TBD
No. of Chapters reporting	TBD
No. of days duration	TBD

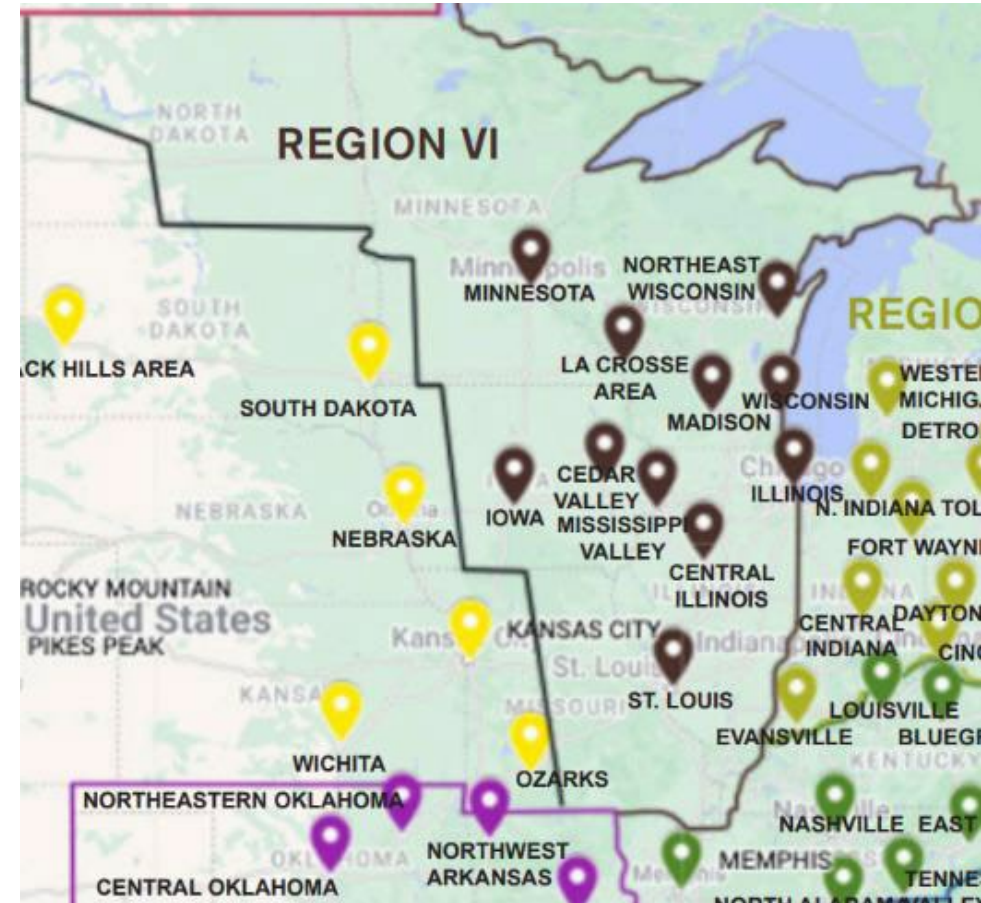


# Government Affairs Region VI

2025-2026 ASHRAE  
Winter Conference Update

# Government Affairs Committee Chairs

- Illinois: **Cory Abramowicz**
- Illinois - Central: **Elizabeth Blankenship**
- Iowa: **Matt Jesson & Shawn McKenzie**
- Iowa - Cedar Valley: **Ryan Collins**
- Iowa - Mississippi Valley: **Allen Poppe & Ahmed Vilal**
- Minnesota: **Brian Freeman**
- Missouri – St. Louis: **Dan Mareschal**
- Wisconsin: **Victor Niño**
- Wisconsin - La Crosse: **Andrew Wiegand**
- Wisconsin - Madison: **Jason Boatman**
- Wisconsin - Northeast: **Eric Erdman**



# Government Outreach

## Planning Stages to visit State Capitol:

- **Illinois:** March 4, 2026
- **Iowa:** February 25, 2026
- **Minnesota:** February 19, 2026
- **Wisconsin:** February 25, 2026



# Regional Updates

- Illinois
- Illinois - Central
- Iowa
- Iowa - Cedar Valley
- Iowa - Mississippi Valley
- Missouri – St. Louis
- Minnesota
- Wisconsin
- Wisconsin – La Crosse
- Wisconsin - Madison
- Wisconsin - Northeast

- Illinois:
  - Government Outreach to be Held in March
- Iowa:
  - Government Outreach Event to be held in February.
  - All three chapters participating
- Minnesota:
  - Government Outreach Event to be held in February.
  - ASHRAE members participating in MN Commercial Energy Code Technical Advisory Group
- Wisconsin:
  - Government Outreach Event to be held in February.
  - ASHRAE member participating in WI Advisory Council on Building Sustainability.



# GAC Activities Overview – 2025/2026

- Q1: Hosted Virtual Training Workshops
- Q2: Supported Planning of 2026 Government Outreach Events

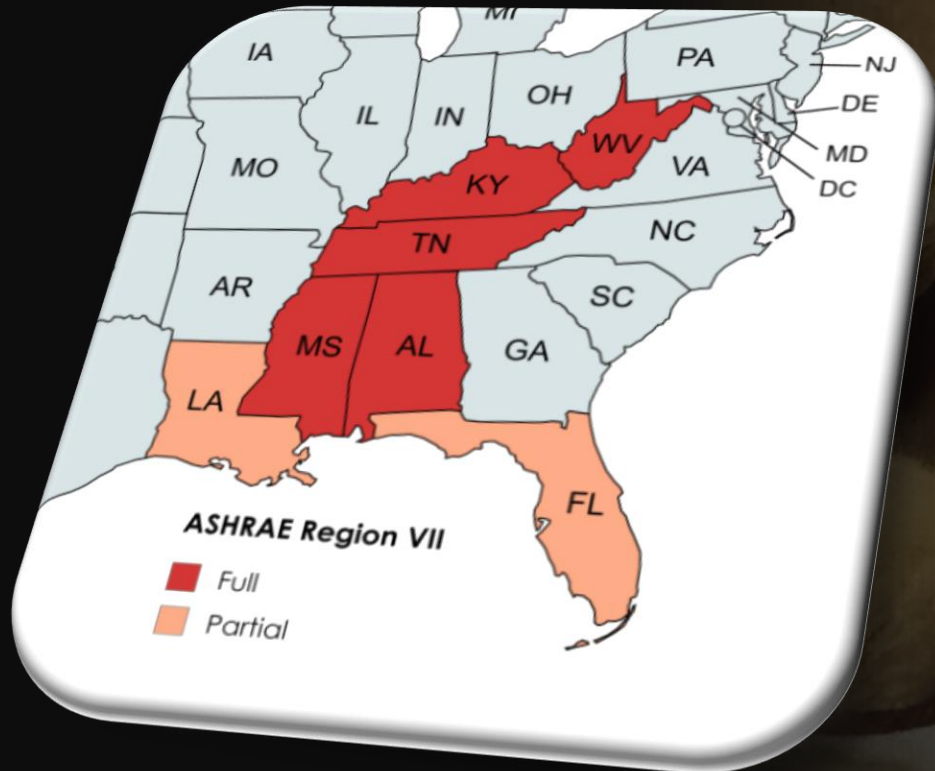
Next steps:

- Q3: Execute Government Outreach Events (GOEs)
- Q4: Wrap Up the Year and Report at CRC



# ASHRAE Region VII

## Government Affairs SY2526



### Region VII GA RVC

Douglas Cage, PE GPCP ERYT  
Senior Engineer / Team Manager  
Mason & Hanger – Lexington, KY  
ASHRAE circa 1996

# RVC Report – Region VII

## SY2425 RVC Report for Region VII

RVC: Douglas Cage, PE  
23-Jan-2026

ACTIVITY	2025-26	2024-25	2023-24
<b>CRC</b>	(Jul2025)	(Jul2024)	(July 2023)
Total number of chapters in region	14	14	14
Number of chapters present	14	14	13
Number of GA chapter chairs present	6	8	7
Percentage of participation	100%	100%	93%
Percentage of GA chapter chair participation	43%	57%	50%
No. of planning sessions held	11	11	5
<b>PAOE</b>			
No. of Chapters Reporting PAOE Points:	12	13	11
No. of Chapters Making Society Minimum:	6	10	9
No. of Chapters Making Society PAR:	1	4	4
Highest PAOE Points by a Chapter:	1300	2900	2850
Percentage of chapters reporting	86%	93%	79%
Percentage of chapters making Society Minimum	43%	71%	64%
Percentage of chapters making Society PAR	7%	29%	29%

<b>CHAPTER VISITS</b>			
No. of visits made:	0	14	12
No. of visits scheduled:	2	14	14
Percentage of chapters visited:	0%	100%	86%

<b>GAC AWARDS</b>			
Government. Affairs Award	0	0	0

<b>Government Outreach</b>			
No. of Chapters Participating	6	3	3
No. of government officials visited	17	44	22
No. of ASHRAE members participating	10	10	10
No. of Chapters reporting	5	3	3
No. of days duration	17	28	15



## SY2526 RegionVII GAC PAOE Metrics

(as of 23Jan2026)

Chapter	PAOE	President	GA Chair	GA17	GA18	GA19	GA20	GA21	Members	.gov
				CRC	Contacts	IssuesRpt	MBO <sub>set</sub>	MBO <sub>met</sub>		
BLUEGRASS	1300	Laura Hollenbach	Doug Cage	yes	5	yes	yes	no	142	6
NASHVILLE	1150	Greg Avina-Rodriguez	Jim Murphy	yes	7	yes	yes	no	424	28
LOUISVILLE	750	Sarah Chinberg	Matthew Lea	yes	1	no	yes	no	220	5
MOBILE	750	Dallas Givens	Rebecca Laughlin	yes	1	no	yes	no	58	7
BIRMINGHAM	700	Joseph Carpenter	Ben Sellers	yes		yes	yes	no	251	32
TENNESSEE VALLEY	500	Hailey Capps-Mick	Chris Azar	yes		no	yes	no	102	12
WEST VIRGINIA	400	Terry Hollandsworth	David Cotton	yes	2	yes	yes	no	78	13
NORTHWEST FLORIDA	350	Shannon Holderfield	Shannon Holderfield	yes		no	yes	no	83	6
MEMPHIS	400	Stephanie Cianciola	Mike Bilderbeck	yes	1	yes	yes	no	218	27
MISSISSIPPI	250	Shelton Peoples	Ryan Williams	yes		no	yes	no	87	5
NEW ORLEANS	200	Kristen Kessler	Kristen Kessler	yes		no	yes	no	147	2
BATON ROUGE	50	Garrett McIntyre	David Bonaventure	yes		no	no	no	108	16
EAST TENNESSEE		Jared Murrell	Justin Ford	no		no	no	no	249	56
NORTH ALABAMA		Zach Hague	?	no		no	no	no	56	3
<b>totals:</b>				<b>86%</b>	<b>17</b>	<b>36%</b>	<b>79%</b>		<b>2223</b>	<b>218</b>
										<b>10%</b>

# Chapter Activities / Issues

## Birmingham (Ben Sellers)

- Continue to include GA events in monthly newsletter
- Inquire if an email alias for GA in our chapter can be done
- Continue to push initiative to provide government contact information to me
  - This has had limited success so far
  - Speak with Mobile and Huntsville chapter about best practices and if there are any initiatives we can combine efforts on

## Bluegrass (Doug Cage)

- HBC Advisory Committee - [Code Update Task Force](#)
- Booth for Engineer's Day @ University of Kentucky
- [Kentucky DOTH event](#) w/Louisville Chapter

## Memphis (Mike Bilderbeck)

- Continue to recruit all chapter members to participate in the GA contacts initiative. Keeping a log of government interactions for inclusion into the database
- A chapter member is on the county Code Appeals Board, and is ACEC liaison with the State Fire Marshall. He give an update at every chapter meeting.
- We have been asked to teach a [4-hour class about 90.1 to the code officials](#) at a Memphis suburb.....working on it

## Nashville (Jim Murphy)

- Working on the [Tennessee DOTH event](#) scheduled for 2/25/26 with the other three Tennessee ASHRAE chapters and ASHRAE National. So far, five Nashville chapter members have signed on to participate in that event. These five are all on the Nashville BOG. The final recruiting pitches will occur at our regular December chapter and BOG meetings (12/16 and 12/18).
- Continue to recruit all chapter members to participate in the GA contacts initiative. We've done announcements at the last two-chapter meetings. We're submitting GA contacts in the

ASHRAE system in a timely fashion.

- Continue to submit GA articles in our monthly Chapter newsletter. We currently submit an article every other month.
- Added the GA "email alias" to our Nashville Chapter website.
- Continue to train Dave Burggren (Nashville Co-Chair) on the GA PAOE processes. We've had two in person training meetings.
- **\*\* Here's something for the National GA team to consider doing. We (ie .... the local chapters) need a marketing template that can be used when we have a DOTH event. Why should each chapter create their own GA marketing piece?**

## West Virginia (Rex Camit)

- Discussed in the latest WV ASHRAE Chapter officers / BOG business meeting to increase chapter involvement with respective GA contacts (e.g. Terry Hollandsworth with WVAPPA/WVAFSA, etc.). We're submitting GA contacts in the ASHRAE POEA excel form in a timely fashion.
- Continue to submit GA articles in our monthly WV ASHRAE Chapter official website & newsletter. We currently submit an article once or twice a month.
- Added the GA "email alias" to our WV ASHRAE Chapter official website and newsletter.
- Latest effort posting the October 1, 2025 Energy Efficiency Day at the WV ASHRAE Chapter's official website and newsletter was a success except we failed to get the proclamation letter from the office of the Charleston mayor (probably related to the recent government shutdown? or just busy period at the mayor's office?).



# MBOs / Highlights

## Facilitate Code & Standard Adoptions

- KY Code Task Force
- Memphis 90.1 Training

## Outreach to Chapter Chairs/Presidents

- Office Hours (Teams), Cold Calls
- Raise Awareness of GA Mission

## Day on the Hill GOEs

- Nashville
- Kentucky
- Florida



**E: STANDARDIZED RVC/ REPORTING FORMAT**

The following information is compiled into a summary spreadsheet showing activity for each region. The spreadsheet is reviewed by GAC at each Society meeting.

ACTIVITY	Region VIII – GAC Report January 2026
<b>CRC</b>	
Total number of chapters in region	15
Number of chapters present	13
Number of GA chapter chairs present	10
Percentage of participation	50%
Percentage of GA chapter chair participation	50%
No. of planning sessions held	3
<b>PAOE</b>	
No. of Chapters Reporting PAOE Points:	6
No. of Chapters Making Society Minimum :	3
No. of Chapters Making Society PAR :	1
Highest PAOE Points by a Chapter:	1250 (MONTERREY)
Percentage of chapters reporting	46%
Percentage of chapters making Society Minimum	20%
Percentage of chapters making Society PAR	13.3%
<b>CHAPTER VISITS</b>	
No. of visits made:	1
No. of visits scheduled:	2
Percentage of chapters visited:	6.6%
<b>GAC AWARDS</b>	
Government. Affairs Award	1 submission
<b>Government Outreach Days</b>	
No. of Chapters Participating	3
No. of government officials visited	10
No. of ASHRAE members participating	5
No. of Chapters reporting	2
No. of days duration	2



Region VIII

# GOVERNMENT AFFAIRS WINTER CONFERENCE 2026

ELEAZAR RIVERA MATA



IF I CAN DREAM OF A  
BETTER LAND  
WHERE ALL MY BROTHERS  
WALK HAND IN HAND  
TELL ME WHY, OH WHY, OH  
WHY CAN'T MY DREAM  
COME TRUE  
...AND WHILE I CAN THINK,  
WHILE I CAN WALK  
WHILE I CAN STAND, WHILE I  
CAN TALK  
WHILE I CAN DREAM  
OH, PLEASE LET MY DREAM  
COME TRUE  
RIGHT NOW

Chapter Name	Government Affairs: Minimum 500; PAR 1250
ARKANSAS	800
HOUSTON	450
ALAMO	0
AUSTIN	0
DALLAS	100
CENTRAL OKLAHOMA	500
NORTHEASTERN OKLAHOMA	300
FORT WORTH	0
WEST TEXAS	0
EAST TEXAS	0
SOUTH TEXAS	0
MEXICO CITY	0
MONTERREY	1250
GUADALAJARA	0
NORTHWEST ARKANSAS	0

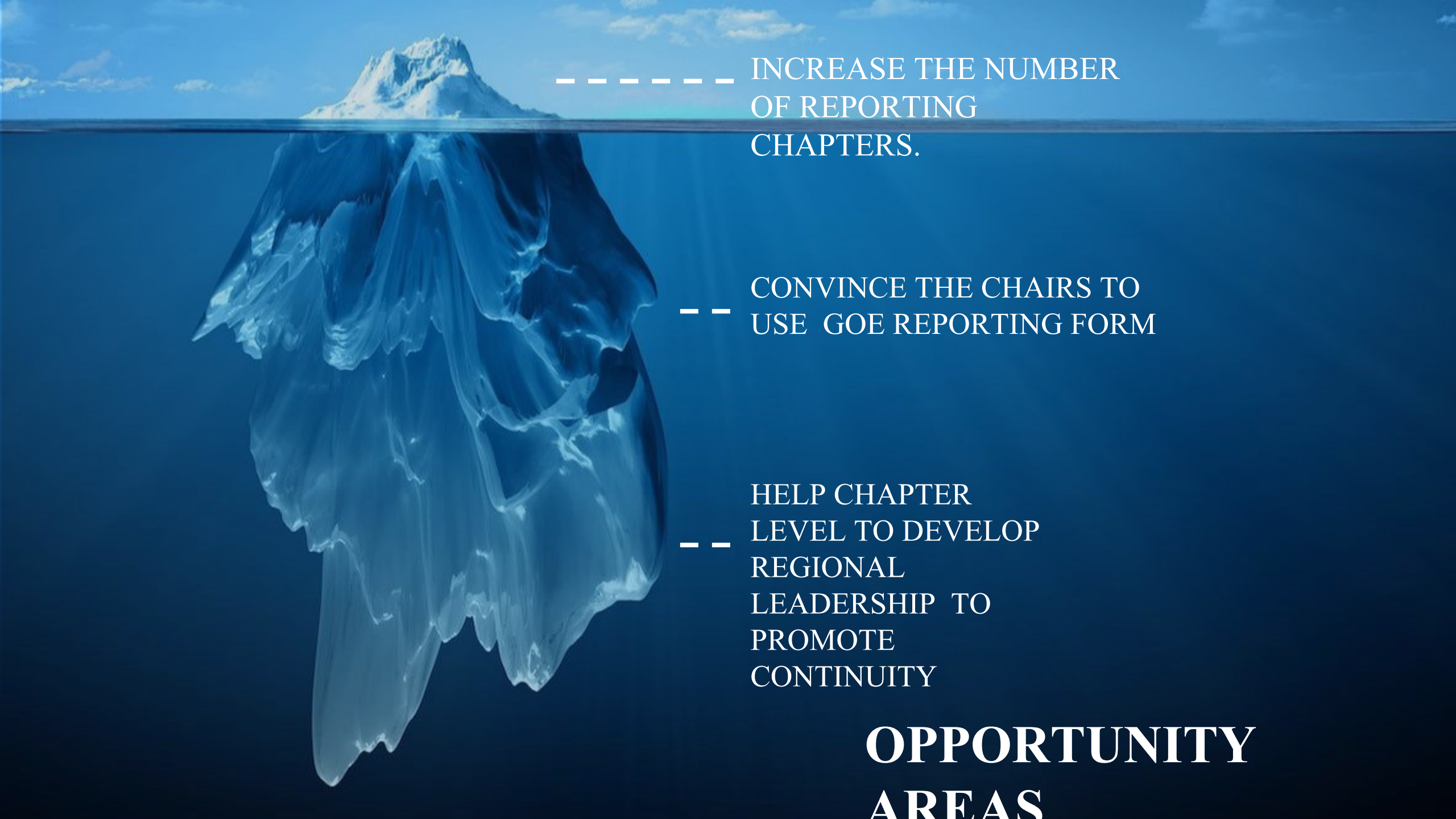


NOTE: REGION VIII  
CRC TAKES PLACE  
IN APRIL 2026, AND  
THE CHAIRS BEGIN  
THEIR ACTIVITIES  
IN JULY/AUGUST  
2025.  
6 ACTIVE CHAPTERS  
FROM A TOTAL OF  
15.



RVC GOALS:

- VISIT MORE CHAPTERS
- HELPING ACTIVELY IN DOTH AND GOE EVENTS
- FOLLOW UP MBOS



----- INCREASE THE NUMBER  
OF REPORTING  
CHAPTERS.

-- CONVINCING THE CHAIRS TO  
USE GOE REPORTING FORM

-- HELP CHAPTER  
LEVEL TO DEVELOP  
REGIONAL  
LEADERSHIP TO  
PROMOTE  
CONTINUITY

**OPPORTUNITY  
AREAS**

# ACHIEVEMENTS

“If I have seen further, it is by standing on the shoulders of giants”



**Isaac Newton**

- Houston: Pioneers on the Texas Energy Legislative Collaboration Opportunity, HB and National Engineer week proclamation. **Local Government Engagement:** attended the 2025 Houston Permitting Center Workshop, connecting with city officials and gaining updates on new building, permitting, and compliance standards. (thanks Tobi, Keith and Kenneth)
- Oklahoma: Day on the Hill– 11<sup>th</sup> Edition of the event in March (thanks Caleb and Chad Smith)
- Fort Worth: the chapter has actively followed up on this issue and successfully secured support from our Society and our President; through a letter signed by our President, the Air Conditioning and Refrigeration Contractors Advisory Board at the Texas Department of Licensing and Regulation is being invited to consider the benefits of updating to the 2024 editions of ASHRAE Standards 15 and 34, which better address low-GWP refrigerants and modern safety requirements. (thanks Scott!)
- TX Chapter Presidents are being asked to sign onto an ASHRAE support letter to the Texas State Energy Conservation Office advocating for the adoption of the International Green Construction Code and ASHRAE Standard 90.1 for state agency and higher education buildings; the letter has been signed and submitted by ASHRAE President Bill McQuade. (Thanks to all the team and special kudos to Jake!)



**THANK YOU!**

---

**NEVER BE DAUNTED**



**E: STANDARDIZED RVC/ REPORTING FORMAT**

The following information is compiled into a summary spreadsheet showing activity for each region. The spreadsheet is reviewed by GAC at each Society meeting.

**RVC Report for Region IX**

<b>ACTIVITY</b>
<b>CRC</b>
Total number of chapters in region - 13
Number of chapters present - 9
Number of GA chapter chairs present - 3
Percentage of participation – 69%
Percentage of GA chapter chair participation – 23%
No. of planning sessions held - 9
<b>PAOE</b>
No. of Chapters Reporting PAOE Points: 9
No. of Chapters Making Society Minimum : 1
No. of Chapters Making Society PAR : 0
Highest PAOE Points by a Chapter: 1050
Percentage of chapters reporting: 69%
Percentage of chapters making Society Minimum: 8%
Percentage of chapters making Society PAR: 0%
<b>CHAPTER VISITS</b>
No. of visits made: 0
No. of visits scheduled: 1
Percentage of chapters visited:
<b>GAC AWARDS</b>
Government. Affairs Award:
<b>Government Outreach Days</b>
No. of Chapters Participating: 2
No. of government officials visited: 14+
No. of ASHRAE members participating: 5+
No. of Chapters reporting: 2
No. of days duration: 2



# Region IX GAC Update

By Jessica Renner

Winter 2026

# RVC Bio

- Jessica Renner, PE, BEMP
- Director of Simulation & Modeling at Catalyst Partners
- Omaha, NE
- Nebraska Chapter
- Region IX GAC RVC 2025/26 - 2027/28
  
- Past Positions: Nominating Committee, Region IX YEA RVC, Nebraska chapter board positions



# Region IX PAOE

Chapter	PAOE	Comments
KANSAS CITY	0	
EL PASO	0	No GAC chair
ROCKY MOUNTAIN	200	
UTAH	250	
NEBRASKA	1050	Hosted Government Outreach Day on 1/20
WICHITA	250	
NEW MEXICO	0	
SOUTH DAKOTA	150	Hosted Government Outreach Day on 1/15
BLACK HILLS	50	No GAC chair
BIG SKY	0	No GAC chair
IDAHO	150	
PIKES PEAK	150	
OZARKS	50	No GAC chair

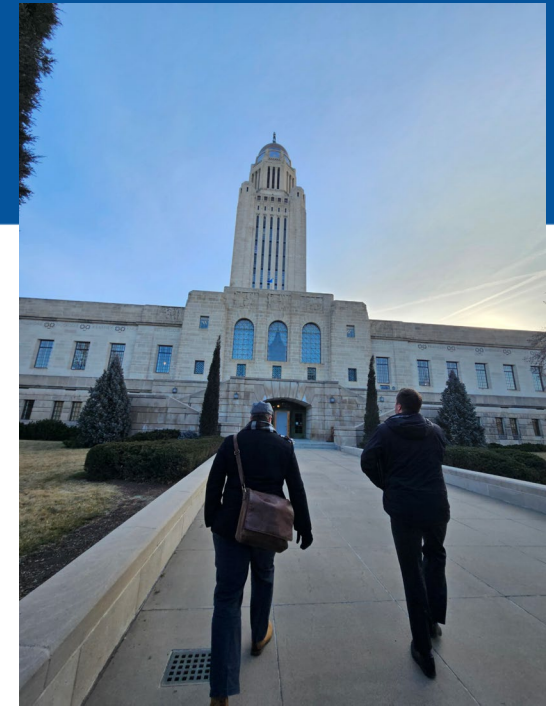


# Other notes

- CRC training – Joint Region IX and X
  - 37 total attendees
  - 4 Region IX chairs/co-chairs
- Assisted multiple chapters with requesting E-Week proclamations
- Chapter visit to Utah Chapter in planning stages for spring, hoping to align visit with a GOE
- Participated in Nebraska Day on the Hill – Jan 20<sup>th</sup>
- Goals:
  - Connect more frequently with chapter chairs during the upcoming critical months
  - Plan epic CRC training session
  - Next year, get proclamation request info out sooner



# Nebraska Day on the Hill



# Testify for Energy Code Update (LB800 in NE)



Any Questions?



## **E: STANDARDIZED RVC/ REPORTING FORMAT**

The following information is compiled into a summary spreadsheet showing activity for each region. The spreadsheet is reviewed by GAC at each Society meeting.

### **RVC Report for Region XII**

<b>ACTIVITY</b>	
<b>CRC</b>	
Total number of chapters in region	16
Number of chapters present	16
Number of GA chapter chairs present	13
Percentage of participation	100%
Percentage of GA chapter chair participation	81.3%
No. of planning sessions held	16
<b>PAOE</b>	
No. of Chapters Reporting PAOE Points:	16
No. of Chapters Making Society Minimum :	2
No. of Chapters Making Society PAR :	0
Highest PAOE Points by a Chapter:	750
Percentage of chapters reporting	100%
Percentage of chapters making Society Minimum	13%
Percentage of chapters making Society PAR	0%
<b>CHAPTER VISITS</b>	
No. of visits made:	6
No. of visits scheduled:	8
Percentage of chapters visited:	38%
<b>GAC AWARDS</b>	
Government. Affairs Award	2 nomination
<b>Government Outreach Days</b>	
No. of Chapters Participating	8
No. of government officials visited	14
No. of ASHRAE members participating	21
No. of Chapters reporting	2
No. of days duration	-



**ASHRAE**  
**2026 Winter Conference**  
**Las Vegas, Nevada**  
**January 30th, 2026**

**Mid Year 25-26 Report Region XII**

**Luis Alvarado, GAC RVC**

# PROCESS



# Region XII Overview



**Sixteen active chapters: We are a particle Region, many countries.**

- Jacksonville, FL
- Florida West Coast
- Miami
- Central Florida
- Gold Coast
- Southwest Florida
- Puerto Rico
- Caricon
- Brazil (Section North Brazil)
- Argentina (Section Bolivia, Uruguay)
- Colombia (Section Venezuela, Central America)
- Chile
- Ecuador
- Paraguay
- South Brazil
- Peru

**More than 4 language (English, Spanish, Portuguese, French)**

**More than 30 countries**



# Strategic Team



**RVC**



**Mentor**

## Region Advisors



**Past RVC**

## Ruben Abreu



**aRVC US  
Chapters**

## Leandro Astorga



**aRVC LATAM  
Chapters**



# Our Big Team

Chapter Name	Full Name
JACKSONVILLE	Mrs Katelyn B Tyler
FLORIDA WEST COAST	Mr Peter A Makris
MIAMI	Dr Haleh Moghaddasi
CENTRAL FLORIDA	Mr Bruce B Lindsay
GOLD COAST	Mr Corey Balko
PUERTO RICO	Mr Jonathan Enrique Lopez Claudio
SOUTHWEST FLORIDA	Mr Justin Douglas Fales
BRASIL	Mrs Juliana Pellegrini Lemos Trigo
ARGENTINA	Mr Rodrigo Marcos Viale
COLOMBIA	Oscar Andres Charris Padilla Eng
CHILE	Mr Rene Gabriel Gonzalez Portales, Ing
ECUADOR	Mr Andres Santiago Gavilnez, IV
PARAGUAY	Mr Rodrigo Arias, Ingeniero
ASHRAE CARICOM	Mr Ian C Weekes
SOUTH BRAZIL	Mr Eduardo Poletto Hoehr, Eng
PERU	Mr Eddy Leonel Ontiveros



# CRC + MBO + PAOE

Chapter Name	Attend CRC	MBO Goals	Year -1	Current	Averg	MBO	%
JACKSONVILLE	Yes	Yes	250	200	-20%	1500	13%
FLORIDA WEST COAST	Yes	Yes	500	700	40%	1700	41%
MIAMI	Yes	Yes	1050	400	-62%	1650	24%
CENTRAL FLORIDA	Virtual	Yes	200	200	0%	1520	13%
GOLD COAST	Virtual	Yes	200	150	-25%	1550	10%
PUERTO RICO	Yes	Yes	200	150	-25%	1250	12%
SOUTHWEST FLORIDA	Yes	Yes	450	150	-67%	1250	12%
BRASIL	Yes	Yes	250	250	0%	1800	14%
ARGENTINA	Virtual	Yes	950	200	-79%	1250	16%
COLOMBIA	Yes	Yes	200	200	0%	1250	16%
CHILE	Yes	Yes	250	250	0%	1850	14%
ECUADOR	Yes	Yes	200	300	50%	1250	24%
PARAGUAY	Yes	Yes	200	250	25%	1400	18%
ASHRAE CARICOM	Yes	Yes	350	250	-29%	1900	13%
SOUTH BRAZIL	Yes	Yes	900	750	-17%	1950	38%
PERU	Yes	Yes	150	250	67%	1500	17%



# How Start- Status - Classification

- **US Chapters**



**SOUTHWEST  
FLORIDA CHAPTER**



- **LATAM Chapters**

- **Beginner**



- **Intermediate**



- **Advance**



# UPDATE Status - Classification

- **LATAM Chapters**

- **Beginner**



- **Intermediate**



- **Advance**



# RVC VISITS

## JULY



## AUGUST



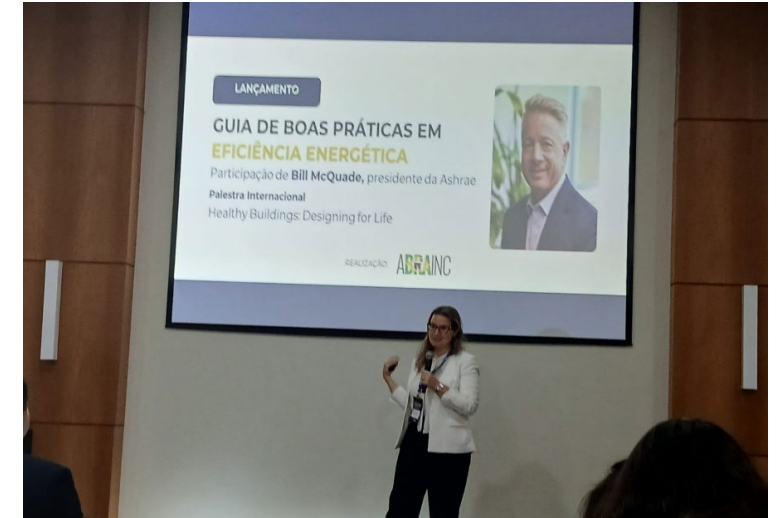
## SEPTEMBER



## OCTOBER&DECEMBER



# Special Mention Activities



# Interaction Region XVIII&XII



**E: STANDARDIZED RVC/ REPORTING FORMAT**

The following information is compiled into a summary spreadsheet showing activity for each region. The spreadsheet is reviewed by GAC at each Society meeting.

**RVC Report for Region RAL**

<b>ACTIVITY</b>	
<b>CRC</b>	
Total number of chapters in region	22
Number of chapters present	15
Number of GA chapter chairs present	13
Percentage of participation	68.2%
Percentage of GA chapter chair participation	86.6%
No. of planning sessions held	2
<b>PAOE</b>	
No. of Chapters Reporting PAOE Points:	11
No. of Chapters Making Society Minimum:	8
No. of Chapters Making Society PAR:	1
Highest PAOE Points by a Chapter:	Pyramids
Percentage of chapters reporting	50%
Percentage of chapters making Society Minimum	36.4%
Percentage of chapters making Society PAR	4.5%
<b>CHAPTER VISITS</b>	
No. of visits made:	3
No. of visits scheduled:	1-2
Percentage of chapters visited:	150%
<b>GAC AWARDS</b>	
Government. Affairs Award	Applied for 3 nominees
<b>Government Outreach Days</b>	
No. of Chapters Participating	(8) 1 Falcon + 2 Gh + 4 Nigeria 1 Pyramids
No. of government officials visited	+8
No. of ASHRAE members participating	+10
No. of Chapters reporting	+11 inc. Bang, Cairo & Sri Lanka
No. of days duration	+8



**Region-at-Large**  
“Where Things Happen”

GAC Committee Report – Region At Large  
Las Vegas – Winter Conference  
SY 25-26

By: Abdallah Mahmoud  
RVC, RAL

# RVC BIO

Abdallah Mahmoud, Msc CEM

ASHRAE Falcon President, RVC of RAL and SY2425 CRC Chair

Regional Director of SKA / Vertical of Daikin Middle East & Africa

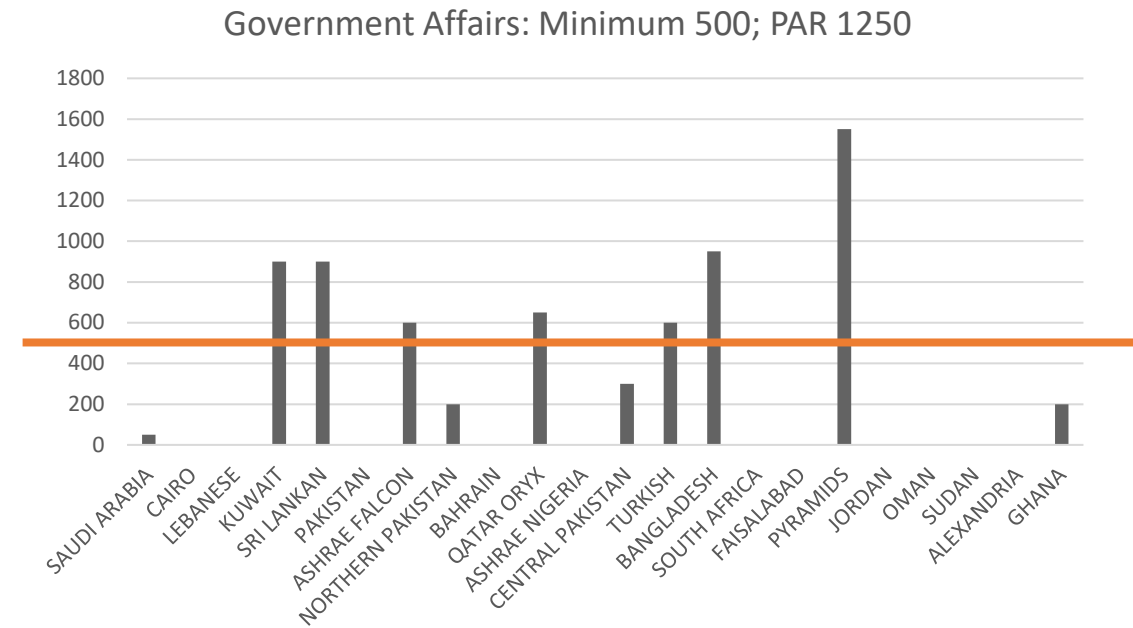
Managed portfolios of Energy, District cooling, Services, Digital transformation projects.

- For RAL: member of Sponsors and Fund Raising committee, RRL nominating committee & CRC General Chair.
- Chapter President 2024/2026
- For Falcon: GAC member, co chair and Chair + RP Chair + members in multiple committee within chapters.



# GA Chapter Synopsis 2025/2026

Chapter Name	Chapter AAM	Government Affairs: Minimum 500; PAR 1250	Chapter PAOE point Totals
SAUDI ARABIA	187	50	5560
CAIRO	111	0	4915
LEBANESE	108	0	2330
KUWAIT	51	900	4130
SRI LANKAN	103	900	7315
PAKISTAN	72	0	4850
ASHRAE FALCON	384	600	8305
NORTHERN PAKISTAN	45	200	3570
BAHRAIN	48	0	3615
QATAR ORYX	82	650	7070
ASHRAE NIGERIA	115	0	7570
CENTRAL PAKISTAN	40	300	11735
TURKISH	138	600	7115
BANGLADESH	150	950	15865
SOUTH AFRICA	98	0	535
FAISALABAD	19	0	375
PYRAMIDS	30	1550	4635
JORDAN	60	0	4445
OMAN	27	0	300
SUDAN	26	0	1200
ALEXANDRIA	25	0	835
GHANA	69	200	6865



Not attend the CRC

GOE High Performance



# What Went Well

1. Conducting PAOE Training for most of GA chairs across RAL Region during summer 2025
2. Explaining amply the correlation between GA PAOE and presidential theme / society theme for SY 25-26
3. Special training for certain chapters about GACs during summer 2025
4. Sharing MBOs template in order for each chapter to select the most appropriate and relative MBOs
5. Frequent updates regarding the decarbonization policy / statements by society (at bimonthly)
6. Conducting the first quarter meeting on Dec 2025 to follow up on the CRC training
7. **Submission of first-of-kind RAL GAC Award for the DRC approval and endorsement.**



# Regional Accomplishments

- +8 Government Outreach Days (from Ghana, Nigeria, Pyramids & Falcon). Topics of GOEs have included to society and presidential themes of IEQ and Decarbonization
- Multiple ongoing relationship established with multiple governmental entities across the region such as MOEI& EGBC in UAE, Ozone Unit in Egypt, Energy Authority & University of Moratuwa in Sri Lanka, HRBI (Housing & building Research Institute) in Bangladesh .
- Visting more than 15 official members across the region.
- Participated and contributed in multiple Society sub committees such as GA & Mobilization



# Regional Accomplishments

- Chapter Visits to Cairo, Pyramids and Alexandria Chapter

ASHRAE Pyramids Chapter | ASHRAE Alexandria Chapter

## Committees workshop

<b>Mohamed Heider</b> RVC CTTC	<b>Eman Sherif</b> RVC YEA	<b>Abdallah Mahmoud</b> RVC GA	<b>Nadia Ali</b> RVC Historian
-----------------------------------	-------------------------------	-----------------------------------	-----------------------------------

**Saturday 15th November** | Starts from 1 PM to 4 PM | Venue: ASHRAE Pyramids HQ, 9 El Shahid Tawfik - El Nakheel Dokki - Giza - Egypt



ASHRAE Sri Lanka Chapter Government Outreach

Meeting with the Office of Sustainable Energy Authority of Sri Lanka (SEA) established October 2007, with the aim of executing the Sri Lanka Sustainable Energy Authority Act No. 35 of 2007, enacted by the Parliament of the Democratic Socialist Republic of Sri Lanka

29<sup>th</sup> October 2025

Abdullahatif Albitawi (External)

Lana Abuqalbain (External)

Mohammad Dawid (ASHRAE (U...))

Hassan Kal (External)



# In-the-works/On-the-GO

- GA Quarter meeting with all RAL GACs on March end.
- There might be a GOE event on Sri Lanka (which might require society stuff to travel)
- GAC Regional Award preparation for SY25-26

# MBOs

Objective	Due Date	Status
Review all MOUs signed by RAL Chapters and advice if needed	30/06/2026	Ongoing
Attend RAL CRC 2025 and arrange a GAC workshop for all RAL Chapters	03/10/2025	Completed
Schedule quarterly review meetings with all Chapter GAC committees	30/06/2026	Ongoing
Assisting chapters to Increasing signed MOUs / Outreach by 10%	30/06/2026	Ongoing
Attend Regional Planning meetings in Amman, Dubai, Las Vegas & Austin	30/06/2026	Ongoing
Arrange 2 in-person visits to RAL Chapters	30/06/2026	Completed
Attend GAC committee and subcommittee meetings in both winter and summer meetings	30/06/2026	Ongoing



# MBOs

Objective	Due Date	Status
Organize 2 virtual sessions to explain the PAOE & MBOs for all RAL GAC Chairs and co-Chairs	30/08/2025	Ongoing
Manage & Update the GAC group on WhatsApp with RAL Chapters GAC Chairs	01/07/2025	Ongoing
Assuring 20 received MBOs from GAC committee chairs from all RAL Chapters	15/08/2025	Completed
At least 20 Chapters to achieve PAR points in GA PAOE	30/06/2026	Ongoing
Increase number of GA award applications submitted by RAL Chapters to 2	30/06/2026	Completed (3)

# Challenges SY25-26

- Reporting activities either on PAOE or to the RVC (i.e Jordan, Cairo, Pakistan, Alexandria, Lebanon)
- Programs which were rolled and implemented on the ground, but activities are not reported
- We still see inactive GAC operations such as South Africa, Oman, Faisalabad, Sudan)
- Reporting GOEs using the link <https://forms.ashrae.org/Forms/GoDReporting>
- Signed MOUs with governmental entities or regulatory
- Lack of connection between PAOE and MBO (started to overcome this challenge for this year)
- Lack of understanding of PAOE for GAC by the chairs and members (started to overcome for this year)
- Low or no governmental members in GA committee



thank you

**Abdallah Mahmoud**  
RVC GA, RAL  
President, ASHRAE Falcon Chapter





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Environment Today

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# 2026 ASHRAE WINTER CONFERENCE

## LEADERSHIP PRESENTATION

## Code of Ethics

We will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and we shall avoid all real or perceived conflicts of interest.

## Value Statement

In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.

## Harassment and Discrimination

ASHRAE strictly prohibits and does not tolerate discrimination against members or applicants for membership because of such individual's race, color, religion, age, sex, sexual orientation, national origin, physical or mental disability, pregnancy, genetic information, veteran status, uniformed service member status, or any other category protected under applicable law.

## Commercialism

ASHRAE's Commercialism Policy allows for Society activities that fulfill the mission of technological advancement with adherence to business plans that generate income to offset operational expenses such as AHR Exposition, ASHRAE periodicals, website, and Society conference events such as the Welcome Party, luncheons, registration kits, and receptions.

## MARKETING CENTRAL



### ASHRAE Acronym Guide

Download this quick guide for an easy reference of acronyms commonly used in ASHRAE. Easily see and search through over 400 terms!

[DOWNLOAD](#)

### Presentations

Find the most current:

- ▶ ASHRAE Leadership
  - ▶ *This Is ASHRAE*
- ▶ ASHRAE Handbook
- ▶ Research Promotion
  - ▶ Standards
- ▶ Technical Committees
- ▶ Other presentations

[LEARN MORE](#)

### ASHRAE President

Bill McQuade, P.E., CDP, Fellow ASHRAE, LEED AP is ASHRAE's President for the 2025-26 term.

[LEARN MORE](#)

### ASHRAE Branding Guide

Reference this quick and informative resource for all of your ASHRAE branding needs and questions including logos, color palettes, chapter information, and typography.

[LEARN MORE](#)

**Visit Marketing Central** for marketing materials and resources.

- Brochures
- Press Releases
- Forms
- Chapter Logos
- Newsletters

...and more!

# 2025-28 ASHRAE Strategic Plan



[ABOUT](#)

TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

CONFERENCES

COMMUNITIES

MEMBERSHIP

1

Position ASHRAE as the **global leader** in advanced solutions to improve indoor environmental quality (IEQ) and address climate change.

2

Pursue **impact-focused engagement** by targeting stakeholders to support a strong workforce and maximize utilization, adherence, and trust of ASHRAE's global expert resources.

3

Increase the **accessibility** of ASHRAE content, resources, and member opportunities.

## OBJECTIVES

- a. Lead the development of widely adopted standards to support indoor environmental quality, decarbonization, and resilience.
- b. Develop alliances and diverse working groups that position ASHRAE to lead and collaborate globally in identifying challenges, defining solutions, and developing approaches to address them.
- c. Develop resources based on member needs and industry trends.

- a. Tailor and target engagement and resources to ASHRAE members and defined key stakeholders.
- b. Provide guidance to targeted stakeholders on impactful ways to maximize the positive downstream effect of their engagement on the built environment.
- c. Empower professionals in their journey to maximize industry impact in support of ASHRAE's mission and vision.
- d. Pursue partnerships to amplify the impact of ASHRAE's mission and support the HVAC&R and built environment workforce.

- a. Identify and address structural, content, and financial barriers to access.
- b. Align communication and delivery methods and formats to enhance accessibility and effectiveness of content, resources, and volunteer opportunities.
- c. Strengthen communication channels with and through chapters and regions to empower contribution to the Society as thought partners in adapting resources to local context and needs.

Download the entire plan in English and Spanish at  
[ashrae.org/strategicplan](https://ashrae.org/strategicplan)

# November 2025 BOD Meeting Highlights



[ABOUT](#)

[TECHNICAL RESOURCES](#)

[PROFESSIONAL DEVELOPMENT](#)

[CONFERENCES](#)

[COMMUNITIES](#)

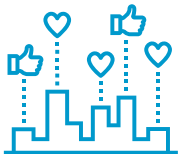
[MEMBERSHIP](#)



**Membership Dues** will have no increase in the 2026-27 SY, but will increase \$5 USD in the 2027-28 SY (following two years of no increase).



**DEI Committee** will report to Members Council starting July 1 as a Standing Committee, not a grassroots committee. This is an expansion of ASHRAE's commitment to diversity, equity and inclusion.



**Indoor Environmental Quality Center of Excellence** will be created to provide industry resources for learning about IEQ. Initial funding will come from reserves.



**3<sup>rd</sup> International Board Meeting** will take place November 2026 in Brasilia, Brazil – expense funded by reserves.

## Hot Topics in Government Affairs



**AI / Data Centers**



**EPCA Modernization** (DOE Appliance and Equipment Standards)



**IAQ/IEQ/Thermal Comfort**



**Refrigerant Transition**



**Energy Codes and Resiliency**



**Workforce Development** (trades and STEM)

Sign up for the Government Affairs Update  
online or email [GovAffairs@ashrae.org](mailto:GovAffairs@ashrae.org)

## Fundraising Totals for SY 2024-25

### RP Campaign Total



**\$2,824,181**



### ASHRAE Foundation



**\$1.95M**

In New Endowments

### Within the RP Campaign

**\$1,977,286** For Research

**\$494,487** For Endowed Research

**\$257,081** For Scholarships

**\$95,078** For YEA, ALI and other Programs

### ASHRAE Awarded Scholarships

**40** Endowed Chapter Scholarships

**39** Society Student Scholarships

### College of Fellows

**\$5,000** Total Raised

### Life Members Club

**\$46,000** Total Raised

More than 4,500 contributions from Members, Organizations and other Associations



- **Streamlined, Flexible International Building Code Framework**
  - ✓ Framework completed & rolled out at 2025 Decarb Conf
  - ✓ First country session held in Kenya (Brazil & India are planned)
  - ✓ Developed Building Code Strategy Game for Chapters
- **Research, standards & guide projects moving forward**
  - ✓ AI Data Center Framework
  - ✓ Decarb Strategies for Supermarket Industry Archetypes Guide
  - ✓ Update HVAC Equipment Service Life Data
  - ✓ Whole Life Carbon Gap Analysis
  - ✓ Whole Building/MEP Benchmarking Data Research
  - ✓ Whole Life Carbon Calculation Guide for Building Systems
  - ✓ Refrigerant Emissions Management, Tracking, and Compliance
- **Training content expanded (Guides & Online Training)**
- **Five strategic initiatives w/draft actions presented in Las Vegas**



## New Standards

**STANDARD**

**ANSI/ASHRAE Standard 52.2-2025**  
(Supersedes ANSI/ASHRAE Standard 52.2-2017)  
Includes ANSI/ASHRAE addenda listed in Appendix L

### Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size

See Informational Appendix C for approval dates by ASHRAE and the American National Standards Institute.

The Standard is under continuous maintenance by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a formal program for the publication of addenda, including instructions for how to submit a change to any part of the Standard. Instructions for how to submit a change can be found on the ASHRAE website ([www.ashrae.org/standards](http://www.ashrae.org/standards)).

The most edition of an ASHRAE Standard may be purchased from the ASHRAE website ([www.ashrae.org](http://www.ashrae.org)) or from ASHRAE Customer Service, 180 Technology Parkway, Peachtree Corners, GA 30094. E-mail: [orders@ashrae.org](mailto:orders@ashrae.org); Fax: 678-539-2125; Telephone: 404-536-8400 (worldwide), or toll free 1-800-527-4723 (for orders in US and Canada). For more information, go to [www.ashrae.org/standards](http://www.ashrae.org/standards).

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PDF includes hyperlinks for convenient navigation. Click on a reference to a section, table, figure, or equation to jump to its location. Return to the previous page via the bookmark menu.

**STANDARD**

**ANSI/ASHRAE Standard 62.1-2025**  
(Supersedes ANSI/ASHRAE Standard 62.1-2022)  
Includes ANSI/ASHRAE addenda listed in Appendix Q

### Ventilation and Acceptable Indoor Air Quality

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

The Standard is under continuous maintenance by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a formal program for the publication of addenda, including instructions for how to submit a change to any part of the Standard. Instructions for how to submit a change can be found on the ASHRAE website ([www.ashrae.org/standards](http://www.ashrae.org/standards)).

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includes online access to Ventilation Rate Procedure (VRP) and Indoor Air Quality Procedure (IAQP) calculations and more.

**STANDARD**

**ANSI/ASHRAE Standard 62.2-2025**  
(Supersedes ANSI/ASHRAE Standard 62.2-2022)  
Includes ANSI/ASHRAE addenda listed in Appendix G

### Ventilation and Acceptable Indoor Air Quality in Residential Buildings

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

The Standard is under continuous maintenance by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a formal program for the publication of addenda, including instructions for how to submit a change to any part of the Standard. Instructions for how to submit a change can be found on the ASHRAE website ([www.ashrae.org/standards](http://www.ashrae.org/standards)).

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**STANDARD**

**ANSI/ASHRAE Standard 90.4-2025**  
(Supersedes ANSI/ASHRAE Standard 90.4-2022)  
Includes ANSI/ASHRAE addenda listed in Appendix E

### Energy Standard for Data Centers

See Informational Appendix C for approval dates by ASHRAE and the American National Standards Institute.

The Standard is under continuous maintenance by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a formal program for the publication of addenda, including instructions for how to submit a change to any part of the Standard. Instructions for how to submit a change can be found on the ASHRAE website ([www.ashrae.org/standards](http://www.ashrae.org/standards)).

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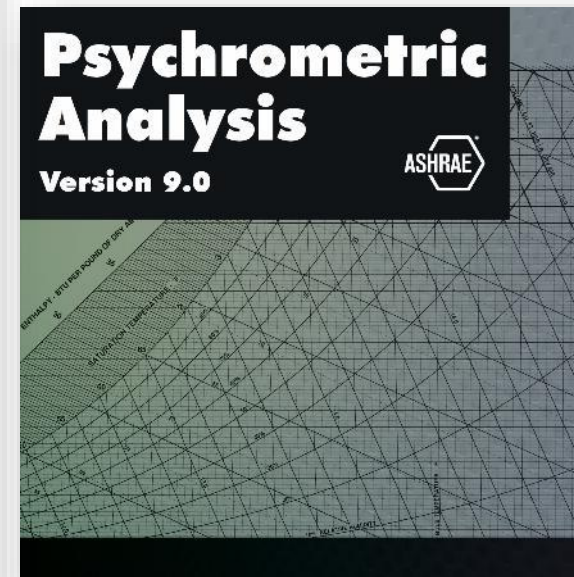
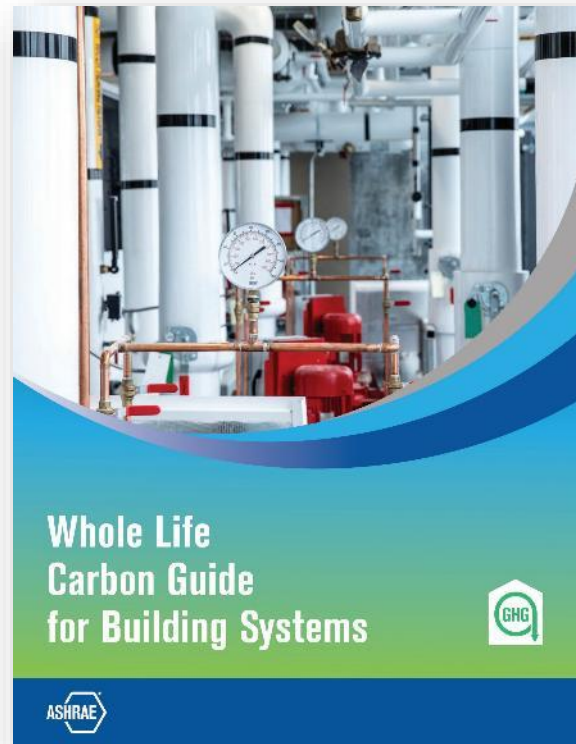
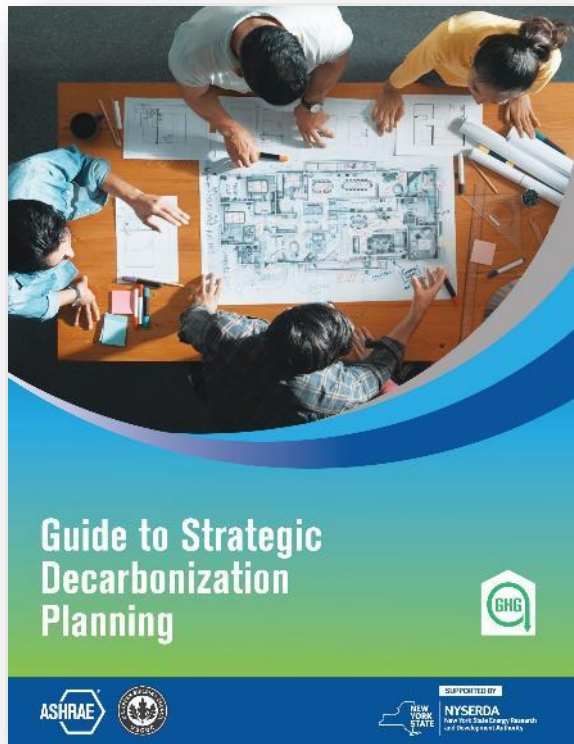
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Online supporting files include Section 6 MLC calculation examples.

PDF includes hyperlinks for convenient navigation. Click on a reference to a section, table, figure, or equation to jump to its location. Return to the previous page via the bookmark menu.

**Coming Soon! ASHRAE Standard 244: Sustainability Assessment for Mechanical, Electrical, and Plumbing Products**

## Get the Latest and Greatest Publications & Downloads



Visit the ASHRAE Bookstore in Palace Ballroom I Emperors Level, and at the AHR Expo

## eLearning

### Updated Course

Individual Course

ASHRAE

**eLearning**

UPDATED

**Standard 90.1-2022  
Changes Over Time**

## ASHRAE Learning Institute

### Free Publication

**Live Virtual Training**  
Training that fits your schedule  
and your goals.

ASHRAE  
Learning Institute

Register for ALI's Live Virtual Training and receive a FREE ASHRAE Standard or Guideline!

## Certification

### Record Application Total SY 2025



## Farr and Setty Family Foundation Funds Scholarships for ALI, AGT, and eLearning Registrants

ASHRAE Members in their **first 5 years** of membership get **35% off** one ALI, AGT, or eLearning course, thanks to support from the Farr and Setty Family Foundation Funds!

- ✓ One-time use per Society Year
- ✓ Apply 3 weeks before your course
- ✓ Must include a chapter officer's support letter

**Where to apply?** Check the page of the course you're interested in for an application.



# 2026 Topical Conferences



ABOUT

TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

CONFERENCES

COMMUNITIES

MEMBERSHIP



Los Angeles, CA, April 13-14, 2026

**2026 Women in ASHRAE  
Leadership Symposium**



Varanasi (Kashi), Uttar Pradesh  
April 24-25, 2026

**Fourth ASHRAE Developing  
Economies Conference**



Seattle, WA, September 23-25, 2026

**2026 ASHRAE Building  
Decarbonization Conference**



Beirut, Lebanon, October 8-9, 2026

**Seventh International Conference on  
Efficient Building Design**



Kuwait University City, Kuwait, November 16-18, 2026

**Ninth International Conference on Energy  
Research and Development (ICERD – 9)**





## Show Times

Monday & Tuesday: 10AM – 6PM | Wednesday: 10AM – 4PM



AHR Expo opens Monday at 10:00 AM in the Las Vegas Convention Center, Central and South Halls.

Flash your ASHRAE Conference badge for FREE entry to the Expo.

Stop by the **ASHRAE Booth C2102**

Hear **Bill McQuade, 2025-26 ASHRAE President** address the *2026 State of the Industry: Today's Market Challenges, Opportunities & What's Ahead*

Tuesday, February 3 / 10:00-11:00AM

S222 (Las Vegas Convention Center – South Hall)

## Changes to Future ASHRAE Annual Conferences

The Future of ASHRAE Conferences Ad Hoc charge is to recommend a new overall Society conference strategy which specifically focuses on **changes to the typical Annual Conference**.

A recommendation will be made at the 2026 Annual Conference in Austin. Approved changes would be reflected in **4-5 years**.



## 2026 ASHRAE Annual Conference

Join us in Austin, TX  
June 27 – July 1

**Registration Opens in March**

# Nominate for Committees and Awards



ABOUT

TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

CONFERENCES

[COMMUNITIES](#)

[MEMBERSHIP](#)

## Find Committees and Nominate Yourself or Others

FEB  
2026

**February:** Nominations for appointed committees are due.

JUN  
2026

**June:** Speak with your committee ExO/CO if your current appointment/elected position ends to be nominated for another.

SEP  
2026

**September 18:** Nominations for elected positions are due. (Publications & Education Council, Tech Council, RAC, TAC, Standards, Handbook, Nominating)

## HONORS & AWARDS

The following awards have a MAY 1 deadline:

Fellow

Honorary Member

ASHRAE Hall of Fame

F. Paul Anderson Award

ASHRAE Pioneers of the Industry

ASHRAE Award for Distinguished Public Service



# Simplified Model

Learn More at [ashrae.org/2026Bylaws](http://ashrae.org/2026Bylaws)

Member Grade				Student Member Grade		Other				
Member				Young Professional	Tenured Professional	Life Service Member	Presidential Member	Student Member	Student Branch Advisor	Honorary Member
WB Tier 1 Standard Dues	WB Tier 2 80% of dues	WB Tier 3 60% of dues	WB Tier 4 40% of dues	50% (+ tier discount)		FREE		90% (+ tier discount)	80% (+ tier discount)	FREE
Anyone involved in the building sciences industry				Anyone ≤ 35 yo who joins pays this fee first for 2 years	Anyone ≥ 65 yo with 25 years cumulative membership	30 yrs cumulative member + ≥ 65 + DSA or 15 qualifying service points	Served as Society President	Must be currently enrolled in university, college, junior college or technical institute	Faculty member who is ASHRAE member & must submit application and submit annual report	Any notable person of preeminent professional distinction & elected by the BOD
Handbook Online + *Journal, HPB, Insights + Tech Portal + Member Pricing + Voting Privileges and Serve as C,R,S level roles Choice of 1: eLearning Course, Certification Study Guide, Standard or Guideline				Handbook Online + *Journal, HPB, Insights + Tech Portal + Member Pricing		Same as Member + waived dues, extreme discounts to W&A Conferences. Invitations to VIP events (Presidential Only)		Same as Young and Tenured Professionals		Full Member Benefits if requested
<b>Additional New Member Benefits:</b> Receive a Comp Winter or Annual Conference to attend in first 2 years + Handbook Online access for 1 year										

# Proposed Dues Rates

Career and Economic discounts off main dues rate as set by the Board of Directors.

Economic discount based on country of residence as defined by the World Bank.

High Income = Tier 1, Upper Middle Income = Tier 2, Lower Middle Income = Tier 3, Low Income = Tier 4

ASHRAE Membership Dues Rate Table		Career Based Discount				
		All Others	Young Pro OR Tenured Pro	Student Branch Advisor	Student	Life Service & Honorary
Economic Discount		0%	50%	80%	90%	100%
World Bank Tier 1	0%	<b>\$290</b>	\$145	\$60	\$30	FREE
World Bank Tier 2	20%	\$230	\$115	\$45	\$25	FREE
World Bank Tier 3	40%	\$175	\$90	\$35	\$20	FREE
World Bank Tier 4	60%	\$115	\$60	\$25	\$10	FREE

The dues rates and percentages are for illustrative purposes only, based on 2026-2027 dues rates. The Finance Committee is responsible for reviewing, recommending changes and interpreting fees, dues, and privileges. (ROB 2.408.004)



# Timeline

Learn More at [ashrae.org/2026Bylaws](https://ashrae.org/2026Bylaws)

## COMPLETED

- **February 2025:** MMAH to bring motion to the Board of Directors to approve plan. Motion will be tabled to allow for 60-day "cooling off period." **COMPLETE**
- **By the 2025 May BOD Meeting:** BOD to approval the final plan. **COMPLETE**
- **June – November 2025:** MMAH works with SRC for Bylaws amendments **COMPLETE**
- **2025 Fall BOD Meeting:** **BOD passed Bylaws amendment by unanimous vote.**

## UPCOMING

- **2026 Winter Conference:** Bylaws amendment presented at the Meeting of the Members (Saturday Plenary Session) in Las Vegas.
- **Spring 2026:** Proposed Bylaws amendment on Spring Ballot
- **June 28, 2026:** Election closes
- **By June 30, 2027:** If Bylaws amendment are approved, all changes made to membership database, website, promotional materials, ROB, Committee/Council MOPs and training materials. *(One year to implement changes to various documents and reports)*
- **July 1, 2027:** New model implemented.



# Media Inquiries



**Asked to make a statement  
on behalf of ASHRAE?**

Please send all media  
inquiries to  
**[publicrelations@ashrae.org](mailto:publicrelations@ashrae.org)**  
before responding to  
members of the press.

Thank you!  
Questions or Comments?

[ashrae.org](http://ashrae.org)

# GOVERNMENT AFFAIRS COMMITTEE WINTER CONFERENCE

January 30, 2026

## Agenda Item 14 - Guest Reports

### Green Building Initiative (GBI)

Marcus Hassen, Member of GBI's Board of Directors (and chair of ASHRAE SSPC 90.4)

1. GBI has an active Memorandum of Understanding with ASHRAE, and the two organizations have been working cooperatively the last several years on a number of issues, most recently GBI incorporating ASHRAE 90.4 into Green Globes, which is an American National Standard.
2. ASHRAE 90.4 Chair Marcus Hassen was invited to participate on GBI's Dec. 8 Congressional Briefing panel on Data Centers. It went extremely well, soliciting a number of detailed questions from attendees. It was clear that there is great interest among Capitol Hill staff on the topic and GBI intends to continue to build on this dialogue with congress to better understand the intersection between sustainability and the data center boom.
3. GBI has accepted an invitation from ASHRAE to participate on one of ASHRAE's Congressional Briefing panels on Indoor Air Quality scheduled for March 6. Jane Rohde (Principal - JSR Associates) is a Green Globes Assessor and Fellow who is a subject matter expert in IAQ, materials, and health care will be joining ASHRAE President Bill McQuade and Alice Yates along with other participants for this event.
4. GBI is also seeking opportunities to work with ASHRAE on mutual global education, training, credentialing, and public affairs issues impacting our global built environment. Preliminary conversations have been held with Alice Yates and IFMA on this subject.
5. At the state level, GBI is monitoring a lot of legislation in the new sessions. We are open to collaborative work with ASHRAE state/regional chapters on mutual policy priorities at a time when the marketplace (i.e., California) needs reaffirmation about the importance of its building codes and standards now more than ever.



15 January 2026

To: Megan McNulty Chair Government Affairs Committee  
Mick Schmindler Vice Chair Government Affairs Committee  
Alice Yates ASHRAE Staff

RE: Technology Council Liaison Report Winter Meeting 2026

1. Technology Council meet on October 2025
2. Technology Council received the request from Government Affairs to provide direction on PFAS. Environmental Health Committee is expected to provide a draft of this response at the 2026 Winter Meeting.
3. Technology Council Operations discussed improving coordination at their fall meeting at is on their agenda for the Tuesday Feb meeting. An update of this discussion will occur at the Tuesday OPS meeting
4. Document Review Subcommittee Agenda Position Documents
  - a. Climate Change
  - b. Refrigerant and Their Responsible Use

Sincerely

Douglas Fick  
2025-26 Technology Council Liaison

Cc: Devin Abilon Tech Council Chair  
Trent Hunt Tech Council Vice Chair

**Report:**

## **3<sup>rd</sup> Residential Construction Market Stakeholder Workshop**

December 7, 2025  
Report Date: February 4, 2026

**Prepared for:**  
ASHRAE Technology Council

**Prepared by:**  
Residential Building Committee

### Executive Summary

On December 7, 2025, ASHRAE's Residential Building Committee convened a third stakeholders' workshop to assist in expanding our understanding of the residential building industry and ways ASHRAE might further its mission in this critical market sector. For one day, roughly 30 stakeholders representing a diversity of interests met and discussed an array of topics, sharing their insights and observations about the residential buildings marketplace, as well as discussing various ways ASHRAE might effectively participate in, and support, that marketplace.

Interests represented in the workshop included residential new construction, existing buildings, HVAC, lighting, federal agencies, national laboratories, efficiency advocates, indoor environmental quality professionals, manufacturing interests and many more.

The workshop began with the keynote address from guest speaker Bryan Orr of Kalos Services. Following the keynote address, attendees participated in breakout sessions based on the four key initiatives (Relevance within ASHRAE, Decarbonization, Indoor Environmental Quality, Resiliency) from the 2024-2029 RBC Strategic Plan. Attendees reconvened to share their thoughts with the entire assembly at the end of the day.

Based on the input from the stakeholders, targeted action items and priorities for ASHRAE included:

- Continue strengthening ASHRAE's role as a "trusted source" for key issues of residential building performance, including energy efficiency and indoor environmental quality.
- Continue strengthening collaboration between public and private sector entities seeking to shape the residential building marketplace to address affordability for high performance building technologies.
- Continue identifying and addressing the research needs on various aspects of residential building performance, including IEQ and resilience topics.

**Commented [1]:** I edited this from the 2016 report to reflect this year's workshop. Make any other necessary edits.

- Help to translate existing technical information on key topics of residential building performance for multiple end users – from consumers to builders to financial institutions.
- Identify where ASHRAE might assist industry in strengthening and training the residential building labor workforce.
- ASHRAE should consider developing an integrated framework for residential resilience that sets clear survivability standards, incorporates risk and insurance data, and leverages post-disaster insights. This effort should also include hardened TC 2.7 and TC 2.10(withstand extreme events) HVAC equipment standards, support for research on extreme heat impacts, and incentives to drive adoption of resilient practices.
- ASHRAE should help industry reframe energy efficiency messaging to emphasize comfort, health, and long-term value while aligning with consumer priorities like utility savings and emotional decision-making. Additionally, ASHRAE should work with key industry stakeholders to foster holistic approaches that integrate trades, real estate, insurance, and broader benefits beyond simple payback to overcome adoption barriers.
- Engage with insurance and underwriters associations to find common ground for improving the resilience of the built environment and for ASHRAE to provide technical rationale for valuing higher performing and healthier residences.
- Recommend hosting stakeholder workshops at the chapter level to gain feedback from a wider audience. Many parts of the world have differing needs for the residential built environment. Providing a forum at a local level will allow a more diverse set of opinions. This would also provide a feedback loop to ASHRAE Society for action.

Following the Stakeholders Workshop, notes from each breakout session were uploaded to the RBC Basecamp. The Residential Building Committee and RBC Staff Liaison met and reviewed the efforts of the workshop. Stakeholder input will be used to help shape the ongoing work and priorities of the RBC and their recommendations to ASHRAE.

A detailed report of the workshop follows this Summary.

Respectfully submitted,

Carol Marriott  
Chair  
ASHRAE Residential Building Committee

## Report

This report is organized as follows:

- Section 1: Workshop Overview/Structure
- Section 2: Results from Breakout Session 1 (Energy Affordability and Consumer Choice)
- Section 3: Results from Breakout Session 2 (Energy Reliability and Resilience)
- Section 4: Results of Breakout Session 3 (Indoor Environmental Quality)
- Appendix A: List of Attendees
- Appendix B: Workshop Agenda
- Appendix C: Stakeholders Input from All Three Sessions
- Appendix D: Recommendations for Future Stakeholder Events

### SECTION 1: Workshop Overview/Structure

The third ASHRAE Residential Stakeholders Workshop was held at the 2025 Building XVI Conference in Clearwater, Florida. Invitations were extended to organizations currently listed in the RBC Strategic Plan. Twenty-four stakeholders attended the workshop. A list of attendees is included in Appendix A [Editor's Note: some participants came and went throughout the day and thus attendance fluctuated between 24 and 30 throughout the day].

The specific goals for the workshop included:

1. **Update Stakeholders:** Share progress on ASHRAE initiatives implemented since the last workshop, reflecting stakeholder input.
2. **Highlight Achievements:** Provide stakeholders an opportunity to present recent advancements in residential building performance.
3. **Collaborate on Future Actions:** Engage attendees to identify actionable steps ASHRAE can take to address market needs, including energy efficiency, indoor environmental quality, and workforce development.

Building on outcomes from the previous workshop, the discussion focused on:

- Strengthening ASHRAE's role as a trusted source for residential building performance.
- Defining what constitutes "high performance" residential buildings.
- Developing tools for assessing residential energy efficiency and economic viability.
- Leading efforts in codes, standards, and design guides for multi-family residential buildings.
- Enhancing collaboration between public and private entities in the residential sector.
- Addressing research gaps and translating technical information for diverse stakeholders.
- Supporting workforce development and training to meet residential building needs.

This workshop provided a platform for engagement, knowledge-sharing, and actionable planning to advance solutions for residential building performance.

To accomplish these objectives, the workshop format included a keynote speaker and three breakout sessions on the topics of Energy Affordability and Consumer Choice, Energy Reliability and Resilience, and Indoor Environmental Quality. The workshop concluded with a wrap-up and summary discussion on the priorities identified by attendees and speakers and suggestions for possible next steps.

The keynote speaker for the workshop was Bryan Orr, Vice President of Service at Kalos Services and host of the HVAC School Podcast. Bryan's keynote address explored the challenges and opportunities in workforce development for high-performance residential construction and retrofits. With insight grounded in years of hands-on experience, he focused on how to attract, train, and retain skilled workers to meet the evolving needs of the residential sector. Bryan identified gaps and challenges, laying the foundation for meaningful breakout discussions on how workforce engagement can drive innovation and elevate residential building performance.

Members of the RBC acted as recorders and facilitators for all three breakout sessions. Members of the committee were assisted by ASHRAE RBC Staff Liaison Derrick Nesfield from Peachtree Corners Headquarters, in organizing and conducting a most effective event.

The RBC met following the workshop to continue honing the input and recommendations from the workshop. Notes from the workshop are included in this report (Appendix C).

## **SECTION 2: Results from Breakout on Energy Affordability and Consumer Choice**

ASHRAE Residential Buildings Committee (RBC) Workshop for Workforce and Industry Engagement was conducted as part of the Buildings XVI Conference. The workshop focused on energy affordability and consumer choice, energy reliability and resilience, indoor environmental quality (IEQ), workforce development, and equity considerations in residential buildings.

Stakeholder discussions highlighted that homeowners respond more strongly to messaging around comfort, health, reliability, and affordability than to energy efficiency metrics alone. Participants emphasized that consumer decision-making is emotional and shaped by socioeconomic conditions, geographic location, and perceived value.

Workforce development emerged as a cross-cutting theme, reinforcing keynote insights on the need to bridge technical expertise with real-world residential practice. Participants identified gaps in training consistency, limited field-based education, and misalignment between codes, standards, and climate-specific realities.

Equity, affordability, and access were repeatedly cited as foundational challenges. Stakeholders encouraged ASHRAE to strengthen its leadership role by advancing practical guidance, tools,

and standards that integrate energy efficiency, resilience, indoor environmental quality, and workforce readiness while addressing non-energy benefits such as health, comfort, and durability.

#### **Energy Affordability & Consumer Choice – Key Themes:**

##### **Barriers to Consumer Adoption of Energy Efficiency**

- Selling energy efficiency alone is ineffective.
- Comfort and health are not emphasized enough in messaging.
- Consumers focus on utility bills; efficiency must be framed from this perspective.
- Customers care more about 'energy effectiveness' than 'energy efficiency.'
- Energy efficiency is not perceived to increase home value.
- Trades are overly siloed; holistic approaches are needed.
- No clear market triggers motivate consumer investment.
- Standards often rely on simple payback rather than broader benefits.
- Limited coordination with insurance, realtors, and underwriters.
- Barriers vary by socioeconomic status and geography.
- Low energy costs reduce motivation for upgrades.
- Household decisions are emotional.
- Programs often do not substantiate payback claims.

##### **Workforce Issues**

- Existing workforce lacks direction on new technologies.
- Training is inconsistent and not field-based.
- Codes and standards are misaligned with climate realities.
- Most upgrades occur after emergency failures.
- Training is often theoretical rather than practical.

##### **Equity, Affordability, and Access**

- Many households cannot afford efficiency upgrades.
- Upfront costs are a major barrier.
- Limited access to trustworthy resources and financing.
- Energy efficiency and carbon reduction measures feel inaccessible.

#### **SECTION 3: Results from Breakout on Energy Reliability and Resilience**

RBC Workshop focused on energy reliability and residential resilience in the face of extreme weather events, including wildfires, hurricanes, heat waves, flooding, and extended power outages. Participants examined what fails during disasters, what matters most for occupant safety and continuity, and how residential buildings can be designed and retrofitted to improve survivability.

Key themes included the critical role of the building envelope, ventilation, backup power, water

management, and hardened HVAC systems. Stakeholders emphasized the need to define and standardize concepts such as passive survivability, resilience, and hardened residential construction in ways that are measurable, actionable, and scalable.

Participants identified significant gaps in codes, standards, insurance alignment, and workforce coordination. They encouraged ASHRAE to lead efforts in developing survivability metrics, integrating resilience into standards and guidance, supporting research for extreme conditions, and coordinating across industries to improve residential outcomes during and after disasters.

**Energy Reliability and Resilience – Key Themes:**

**Wildfire and Smoke Events – What Fails**

- Envelope failures leading to smoke infiltration and poor indoor air quality.
- Loss of power resulting in cascading system failures.
- Mechanical ventilation systems unable to operate during outages.
- Structural vulnerability to fire exposure.

**Wildfire and Smoke – What Matters**

- Clear escape paths and evacuation readiness.
- Maintaining acceptable indoor air quality during smoke events.
- Fire detection and alarm systems.
- Community sheltering options and backup power availability.

**Key Stakeholders**

- Homeowners
- Builders
- First responders
- Emergency management agencies
- Insurance providers
- Utilities
- Local government leaders

**What Can Be Fixed at Scale**

- HVAC, building envelope, and passive design strategies.
- Simple, clearly defined emergency or evacuation operating modes.
- Insurance and finance alignment using fire risk mapping and home labeling.
- Clear definitions of infrastructure and water security risks.
- Addressing gaps in codes and standards at the local government level.

### Defining Resilience

- Ability of a building to survive with minimal damage during disasters.
- Maintenance of value and functionality over time.
- Low operational cost during extreme weather events.
- Ability to withstand fire, heat, flooding, and other hazards.
- Passive survivability during extended power outages.
- Durability and resistance to damage.

### Hurricane and Flooding Events – Common Failures

- Roof and structural failures.
- Loss of power, water, gas, and refrigeration.
- Window and envelope failures.
- Breakdown of communication systems.
- Disruptions to transportation, fuel, and food supply.

### Resilience – What Matters Most

- Backup power systems.
- Fortified structural systems including roof strapping and anchoring.
- Preparedness measures for food and water.
- Flood mitigation strategies such as sandbags, elevated structures, and pumps.
- Hardened HVAC equipment and elevated outdoor air intakes.
- Strong building codes and effective enforcement.
- Floodwater management including cisterns.
- Limits on impermeable surfaces.
- Use of thermal mass to maintain indoor temperatures.

### Potential ASHRAE Actions

- Develop standards and metrics for residential survivability and resilience.
- Integrate resilience metrics with insurance data and risk analysis.
- Address codes and standards for existing homes and aging materials.
- Use post-disaster forensic data to inform future codes.
- Support research on products for extreme heat and health outcomes.
- Encourage incentives that promote residential resilience.
- Improve coordination of qualified construction trades.
- Develop standards for hardened and resilient HVAC equipment.

### Section 4: Results of Breakout on Indoor Environmental Quality

RBC Stakeholder Workshop focused on indoor environmental quality (IEQ). Participants examined what IEQ is, its impact on everyday life, codes and standards that address IEQ, and knowledge gaps that need to be addressed.

Participants identified what impacts IEQ, who should be included in the overall IEQ conversation, and what actions ASHRAE can take to address these issues.

**Indoor Environmental Quality - Key Themes:**

**What is IEQ?**

- Indoor Environmental Quality (IEQ) is the overall condition of a building’s interior, encompassing air quality, lighting, thermal comfort (temperature/humidity), acoustics, and overall occupant health and well-being, affecting productivity and comfort through factors like ventilation, pollutant control, natural light, and moisture management. Good IEQ, achieved through good HVAC, proper daylighting, moisture control, and low-emission materials, boosts health, focus, and building value, while poor IEQ stems from pollutants (VOCs, mold, dust), stuffiness, and bad lighting.

**What influences IEQ?**

- Neighbors
- Contractors
- Google
- YouTube
- Media Creators
- Homeowners/Occupants/Building Owners/Tenants
- Designers and Trade People
- Manufacturers
- Installers
- Pets
- Children
- HVAC Technicians
- IAQ monitors
- Better Business Bureaus
- Medical Professionals

**Most Valued IEQ Factors (ranked most valued to least valued)**

- Comfort
- Light
- Air Quality
- Sound

**What data are we missing? (ranked highest to lowest)**

- Health Impact Data

- Consumer Valuation of IEQ
- Other
- IAQ Field Data

**What are ASHRAE’s strengths related to IEQ?**

- Experts in the organization
- Standard 55
- Existing IAQ and comfort standards
- Creating standards that carry weight
- Expertise in standards writing
- Strong connection to HVAC equipment manufacturers
- Manufacturer alliances
- Recognized reputation for integrity and science
- Ability to research and evaluate research
- Existing IEQ-related standards to build off of
- The ability to convene workshops around the world

**Who should ASHRAE engage for the highest impact?**

- Insurers/Underwriters
- Realtors
- Architects/Engineers
- Homeowners
- Manufacturers

**Potential ASHRAE Actions**

- Recruit different stakeholders to participate on committees
- Create events to engage different stakeholders
- Create new standard or expand scope of Stds 55 or 62
- Research?

**What can be done immediately?**

- More fieldwork and/or connecting fieldwork to the meeting rooms.
- Translate best practices to easy answers/best practices and illustrations.
- Ask questions of occupants and listen to answers.
- Research what exists globally about the subject.
- Connect ASHRAE with contractors that are willing to work alongside ASHRAE to connect the dots.
- Do ideation meetings locally and capture insights.
- Coordinate with local chapters.
- Create standards and regulations around product VOC levels.
- Consider an “ASHRAE Answers” series that regular people can use for (free?) advice and answers to home-related questions.
- Enroll interesting communicators/new media outlets.

- Explore HVAC as a service business model.
- Connect ASHRAE with community colleges that have a building science curriculum.
- Look at existing research from other organizations and see what gaps exist around IEQ.
- Keep the conversation going.

**Appendix A: List of Attendees** [Editor’s Note: some participants came and went throughout the day and thus attendance fluctuated between 24 and 30 throughout the day]

Name	Organization
Alice Rosenberg	Consortium for Energy Efficiency
Amy Royden-Bloom	USDOE
Asa Foss	USDOE
Xudong Wang	AHRI
Robin Vieira	FSEC
Sam Rashkin	ORNL
Michael Lubliner	ORNL
Jonathan Bean	University of Arizona/SBSE
Iain Walker	LBNL
Urmilla Jokhu-Sowell	National Glass Association
Cardice Howard	RESNET
Doug Cochrane	DL
Walter Robison	Air Duct Council
Martin Dieryckx	Daikin Europe NV
Eric Kaiser	Tru Tech Tools
Stacey Rothgeb	NREL
Bryan Orr	Kalos Services
Ahmed Alqaisi	City of DeSoto - Development Services
Wahid Maref	Ecole de Technologie Superieure (ETS)
Olof Sven Mundt-Petersen	Swedish Federation of Wood and Furniture Industry & Lund University
Meghan Kathleen Sylvia	Frontier Energy
Paulo Cesar Tabares Velasco	Colorado School of Mines
Andre Desjarlais	Oak Ridge National Lab
Andrea Giovanni Mainini	Politecnico di Milano
Abdulfattah Mohammed Almasehali	MUST
Husnain Alvi	Mirpur
Alexander Zhivov	USACE
Elly Trinh	King County
Ahmed Boubker Boudayah	University of Nottingham
Ahmed Sadek	Dar Al Handasah
Collin Olson	Energy Conservatory
Chrissi Antonopoulos	PNNL (RBC)
Darcy Carbone	Carbone and Associates (RBC)
Wes Davis	ACCA (RBC)
Jingjuan “Dove” Feng	2050 Partners (RBC)
Kimberly Llewellyn	Blue Rabbit Consulting (RBC)
Derrick Nesfield	ASHRAE Staff

**Appendix B: Workshop Agenda**

**Buildings XVI ASHRAE Residential Buildings Committee  
Workshop for Workforce and Industry Engagement**

**Event Overview:**

- Date: Sunday, December 7, 2025, from 8:30 AM – 4:00 PM EST
- Location: Beach Room (Lobby Level) at Clearwater Beach Sheraton Resort on Sand Key in Clearwater Beach, Florida (as part of the Buildings XVI Conference, Dec 8-11, 2025)
- Objective: Encourage robust discussion, foster meaningful relationships, and provide actionable insights on residential building challenges and solutions.

**1.1.1 Workshop Schedule:**

<i>Time</i>	<i>Activity</i>
8:30-8:45	Registration & Welcome Remarks
8:45-9:45	Keynote Address: Bryan Orr – Challenges and Opportunities for Home-Performance Residential Construction
9:45-10:00	Break
10:00-11:30	Session 1: Energy Affordability & Consumer Choice
11:30-12:30	Lunch
12:30-2:00	Session 2: Energy Reliability & Resilience
2:00-2:15	Break
2:15-3:45	Session 3: Indoor Environmental Quality
3:30-4:00	Wrap-up & Summary Discussions

## **Appendix C: Stakeholders Input from All Three Sessions**

### **Session 1: Energy Affordability & Consumer Choice**

#### Energy Efficiency:

- R&D on humidity control systems for low sensible load homes in humid climates (use results from 90.2, 62.2, etc.)
- Demonstrative and quantitative savings associated with upgrades, especially for in-field installations.
- ASHRAE Education training.
- Listen to people, techs, installers and crafts people who care.

#### Workforce:

- Clean house on standards.
- Training courses for new technologies.
- Awareness education training
- Make standards separate from guidance to achieve standards.[Editor's Note: the terms Standards and Guidelines are not well differentiated in the industry, and the language used in them is not always well understood]
- Create language and standards on field time, field outreach and hire more consultants from the field.

#### Equity, Affordability, and Access:

- Partner with organizations such as Habitat for Humanity to do low cost fixes to homes.
- Research on energy optimal levels for each climate zone.
- Guidance on impact in each climate zone.
- Education awareness
- Government Affairs
- Standards for non-energy impacts
  - Thermal comfort
  - IAQ
    - Quantification that programs can use in TRMS (more like 62.2)
- Show a real-life example besides data. Tell a story.
- Communicate and work with other standards organizations to make a unified process with a defined end goal.
- Encourage investment in building envelopes first then systems.
- RBC: validation of future AI-enabled code interpretation.
- Promote dew point and demand ventilation strategies regardless of energy.
- Research into delivering energy efficiency and decarb much more cost effectively.

### **Session 2: Energy Reliability and Resilience**

- Develop standards and metrics for residential survivability and resilience.

- Integrate resilience metrics with insurance data and risk analysis.
- Address codes and standards for existing homes and aging materials.
- Use post-disaster forensic data to inform future codes.
- Support research on products for extreme heat and health outcomes.
- Encourage incentives that promote residential resilience.
- Improve coordination of qualified construction trades.
- Develop standards for hardened and resilient HVAC equipment.

**Session 3: Indoor Environmental Quality (IEQ)**

- Recruit different stakeholders to participate on committees
- Create events to engage different stakeholders
- Create new standard or expand scope of Stds 55 or 62
- Research

#### Appendix D: Recommendations for Future Stakeholder Events

- To achieve greater attendance, consider hosting at conferences more dedicated to the residential built environment for example;
  - New residential construction: EEBA <https://summit.eeba.org/>
  - Existing buildings: NHPC <https://building-performance.org/events/national/>
- Host local stakeholder workshops (regional or chapter) to gain a more diverse feedback from a wider audience. Many parts of the world have differing needs for the residential built environment. Providing a forum at a local level will allow a more diverse set of opinions [Editor’s Note: Has been submitted for PAOE points]
- Update focus topics on current industry events as needed

# Emerging Technology Ad Hoc

Planning Committee

October 2025 – January 2026



## Ad Hoc Members:

Vanessa Freidberg – Ad Hoc Chair (planning implementation subcommittee vice chair)

Dunstan Macauley - Member (planning committee vice chair, vision 2035)

Billy Austin - Member (planning committee vice chair, vision 2035)

Blake Ellis - Member (CEBD chair) Center of Excellence for Building Decarbonization

Trent Hunt – Member (tech council vice chair)

Andres Sepulveda – Member (pub & ed council, vision 2035)

Beth Tomlinson – Member

Rupesh Iyengar - Member

Marie VanderVliet – Member

Sigrid Derickson – Member

Mark Owen – Member (staff director – publications)

Stephanie Reiniche - Support (staff)

## Relevant ASHRAE Body Contacts

Body	Chair	Chair email	Staff contact	Staff email
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Chapter Technology Transfer Committee	Heric Holmes	<a href="mailto:heric_holmes@yahoo.ca">heric_holmes@yahoo.ca</a>	Rhiannon Masterson	<a href="mailto:rmasterson@ashrae.org">rmasterson@ashrae.org</a>
College of Fellows	Tom Lawrence	<a href="mailto:proftom@uga.edu">proftom@uga.edu</a>	Kirstin Pilot	<a href="mailto:kpilot@ashrae.org">kpilot@ashrae.org</a>
Communications Committee	Thursten Simonsen	<a href="mailto:thursten@simonsens.net">thursten@simonsens.net</a>	Joslyn Ratcliff	<a href="mailto:jratcliff@ashrae.org">jratcliff@ashrae.org</a>
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Handbook Committee	Stephanie Mages	<a href="mailto:s_mages@yahoo.com">s_mages@yahoo.com</a>	Moli Kennedy	<a href="mailto:hkennedy@ashrae.org">hkennedy@ashrae.org</a>
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## **Background and Scope:**

*MBO: Identify viable next generation ASHRAE tools and develop a draft business plan/implementation roadmap.*

In parallel with this Ad Hoc, ASHRAE staff (lead by Stephanie Reiniche) hired a consultant to develop an AI Roadmap for the Society. This effort included an assessment of ASHRAE's current readiness and overall AI maturity. As an organization just beginning this journey, ASHRAE is currently positioned in the exploration stage of AI adoption.

Because these efforts were simultaneous, the outcomes are meant to be considered in parallel with Stephanie as the staff liaison for any AI related topics generated in the Ad Hoc report below.

A summary of the AI consultant findings is at the end of this report, while the full list of topics, details, and ranking details of the Ad Hoc are listed below.

## **Next Steps:**

ASHRAE staff to refer this report to the respective relevant ASHRAE body(s). The ask is for each body to respond by March 1, 2026 with written summary in three categories: impact, feasibility and capacity. After responses are evaluated, ASHRAE body(s) may be asked to provide business plan and implementation roadmap.

## Topic 1 — AI Searchable Standards & Handbooks

**Relevant ASHRAE Body:** Handbook Committee

**Details:** Develop large language model-powered tools for members to access ASHRAE standards, handbooks, journals enabling advanced AI searching and linking to relevant resources

- Ashrae standards/handbooks as large language model for members to access for AI searching.
- Searchable and linked standards page reference to gain more information.
- ASHRAE as GO TO technical resource platform for engineers.
- ASHRAE version of engineering toolbox, handbook public vs paid, condensed version.  
\*ASK ASHRAE AI BOT\*. Need an accuracy meter/double check sanity check on AI hallucinations and accuracy.
- Handbook chapter AI tool and references would be ASHRAE journal references, vision of framework of what it can provide users. i.e. tech presentations from conferences, levels of subscriptions.

## Topic 2 — Track Search Trends

**Relevant ASHRAE Body:** Communications Committee, Publishing & Education Council, Training Education Committee

**Details:** Online feedback loops

- Monitor what is being searched the most on ASHRAE website to generate more relevant tools/resources.
- Details: Use chatbot data to gather feedback and prioritize initiatives and evaluate need within ASHRAE and HVAC community
- Chatbot for faster data capture on what members need and are looking for to support investment of resources.

## Topic 3 — Language Conversion & Accessibility

**Relevant ASHRAE Body:** Publishing & Education Council

**Details:** Enable multi-language support and conversion for global reach

- Language conversion using AI technology for increased speed, efficiency, and the ability to handle complex jargon and structured text.
- Requirement to protect intellectual property and keep ASHRAE monetized content off open-source platforms.

## Topic 4 — Historical Knowledge Compilation

**Relevant ASHRAE Body:** Historical Committee, Members Council

**Details:** Create AI-searchable archives of best practices, success stories, and chapter histories to prevent loss of institutional knowledge and maintain continuity

- Compilation and searchability of ASHRAE historical knowledge and histories of chapters.
- Being a volunteer driven society, historical knowledge is continually lost.
- AI searchable best practices and success stories for MP, RP, GAC, SA, CTTC, Communications, that Chapter Chairs and RVCs could access for their campaigns.
- This could expand beyond chapter level and support region or society level groups.
- Basecamp as the repository of data for searchability/AI.
- Need to develop access workflow as some basecamp content is not finalized or is used for monetization externally.

## Topic 5 — 90.1 Standard Compliance via AI

**Relevant ASHRAE Body:** Technology Council

**Details:** Develop tools for engineers and city authorities to review drawings, codes, and specifications with AI optimization features to measure and meet ASHRAE standards

- Drawing, code, spec review tool and AI optimization platform.
- Engineers, AHJs code compliance doc check via AI with score for how close code meets the standard.
- Start with 90.1 as a use case because of its broad reach with planned long-term expansion for other standards once a model is created.

## Topic 6 — Training Identifier

**Relevant ASHRAE Body:** Publishing & Education Council, Training Education Committee

**Details:** Create diagnostic tools to help practitioners identify areas for improvement and reference ASHRAE content for growth. Point to ASHRAE training to improve areas of learning.

- ASHRAE test/questionnaire to identify what they need to work on to be more successful, reference ASHRAE content to help grow.
- Certifications general listing of references, need specific (areas not just 'handbook') help on where to go and where the information resides so they can prepare for exams.
- Readiness assessments to help practitioners.

## Topic 7 — Quick Reference Videos & Early Education

**Relevant ASHRAE Body:** Publishing & Education Council, Training Education Committee

**Details:** Produce 'how-to' videos and resources for early engineering education

- 'How To' quick reference (2 min or under) videos, early engineering education.

## Topic 8 — ALI Courses & Subscription Models

**Relevant ASHRAE Body:** Publishing & Education Council, Training Education Committee

**Details:** Break down course content into smaller, online/video modules, possibly with a subscription model

- ALI courses content, develop in a way it can be broken down into smaller pieces via online/video, subscription model, leverage existing data to start.

## Topic 9 — Data Licensing

**Relevant ASHRAE Body:** Publishing & Education Council

**Details:** License ASHRAE data to developers for use in paid applications

- License data out to developers so others can use our data on a paid for option while protecting intellectual property (IP).

## Topic 10 — Templates for Member Social Media & Marketing

**Relevant ASHRAE Body:** Marketing Department

**Details:** Empower committees/ad hocs with creative freedom for outreach and marketing. Standard content to be shared by members to expand ASHRAE reach online i.e. event fliers, awards, technical papers, meeting topics, etc

- Social media and marketing of information website team outreach is powerful with creative freedom of committees/ad hocs.
- Simplify and standardize marketing for industry professionals and volunteers.

## Topic 11 — Topical Mentorship

**Relevant ASHRAE Body:** Members Council (MP, YEA, COF), Communications

**Details:** Foster social and mentorship opportunities around standards and topical areas.

- Bulletin board style user-generated content (limited to members) i.e. \*Reddit\*

- Platform for open discussions and organic mentorship: book club, social, technical expertise, mentor on standards or specific topics.
- Advisor to help groups based on qualifications and experience. \*Ask A Pro\*
- Connect the right people with the right knowledge at the right time.
- Contributor program could offer benefits to those who post content. See Reddit as example.

## Topic 12 — Conference AI Chatbots

**Relevant ASHRAE Body:** Members Council, Conferences and Exposition Committee

**Details:** Improve accessibility for new conference attendees, possibly with chatbots and digital guides

- Conferences/ASHRAE in general, accessibility for newer attendees \*chatbot\*.

## Topic 13 — Streamlined Energy Audit & Decarb Processes

**Relevant ASHRAE Body:** Technology Council

**Details:** Integrate decarbonization planning into asset management and capital planning tools

- Streamlined energy audit/decarb process with industry, modeling, benchmarking, best practices, methodology to streamline.
- Integrated workflows, decarb plans integrated to existing owner software for asset management and large capital planning.

## Topic 14 — Life Cycle & Circular Economy

**Relevant ASHRAE Body:** Technology Council

**Details:** Develop rating systems and accountability frameworks for equipment life cycle and product design

- Circular economy awareness.
- Nurture end of life and bring awareness to life cycle footprint of equipment.
- Hold product designers and equipment manufacturers accountable to life cycle.

## Topic 15 — Automated Commissioning Tools

**Relevant ASHRAE Body:** Technology Council, TC7.9

**Details:** Create tools for commissioning with auto-generated checklists, diagnostics and analytics

- Functional & pre-functional checklists for commissioning auto generated based on equipment details.
- Standards for levels of commissioning possibly with analytics requirements at some levels.
- Reference commissioning standard 202, 211, called the “Green Book”
- Diagnostic tools, analytics, commissioning, retrofitting, help implement strategy.

## Topic 16 — Tools Beyond HVAC

**Relevant ASHRAE Body:** Technology Council

**Details:** Explore tools and resources for other building systems (fire, security, electrical, emergency power, etc.) and verticals beyond comfort zones

- Go beyond HVAC into other connected systems within buildings.
- Look at critical environments, industrials, resources & technologies beyond comfort zone. Other non-HVAC building systems Fire, Sprinkler, Security, Electrical gear, Emergency power, lighting/shades/controls... Look at maybe ALL divisions and ALL verticals.

## Topic 17 — Healthy Building Rating Systems

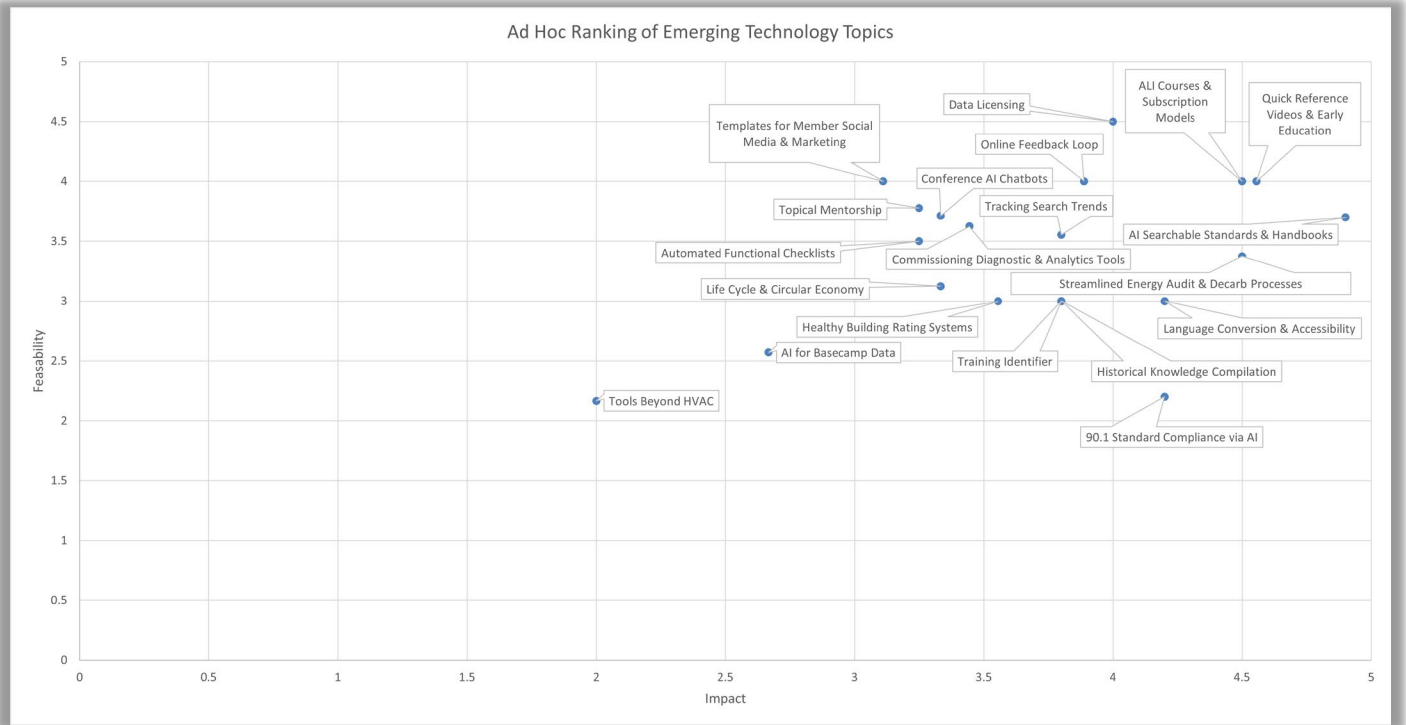
**Relevant ASHRAE Body:** Technology Council, Building Energy Quotient (BEQ)

**Details:** Develop systems to rate buildings beyond energy

- Ranking system for building health IAQ
- Rate broader building systems. Look at occupant health, productivity, safety/security, IAQ, acoustics, visual aesthetics, lighting, etc.

## Ranking of Emerging Technology:

The ad hoc voted on anticipated impact and feasibility for each topic generated during brainstorm sessions.



#	Topic	Impact	Feasibility
1	AI Searchable Standards & Handbooks	4.9	3.7
2	Track Search Trends	3.8	3.6
3	Language Conversion & Accessibility	4.2	3.0
4	Historical Knowledge Compilation	3.8	3.0
5	90.1 Standard Compliance via AI	4.2	2.2
6	Training Identifier	3.8	3.0
7	Quick Reference Videos & Early Education	4.6	4.0
8	ALI Courses & Subscription Models	4.5	4.0
9	Data Licensing	4.0	4.5
10	Templates for Member Social Media & Marketing	3.1	4.0
11	Topical Mentorship	3.3	3.8
12	Conference AI Chatbots	3.3	3.7
13	Streamlined Energy Audit & Decarb Processes	4.5	3.4
14	Life Cycle & Circular Economy	3.3	3.1
15	Automated Commissioning Tools	3.4	3.6
16	Tools Beyond HVAC	2.0	2.2
17	Healthy Building Rating Systems	3.6	3.0

## ASHRAE Staff & AI Consultant Summary:

Through this process, AI guiding principles and key factors for successful implementation were established to help evaluate future AI proposals. Seven high level use case areas were identified as initial focus points, with multiple potential applications fitting within each category:

1. Member Engagement Chatbot
2. Standards Digitization & Translation
3. Data Integration & Capture
4. Proposal Development
5. Audience Engagement
6. Market Trend Identification
7. Predictive Analytics for Member Churn

The review also highlighted the need for a more centralized approach to AI development. Historically, AI related requests and pilots have occurred in silos without coordinated oversight. The recommendation is to establish a cross departmental staff AI committee to provide governance across all AI initiatives, along with a centralized intake and collaboration point for Society requested AI tools.

For development sequencing, it is recommended that ASHRAE begin with two priority use cases:

- Member Engagement Chatbot, and
- Standards Digitization & Translation.

These will allow ASHRAE to move at a manageable pace while refining governance processes and addressing early challenges before expanding to more complex projects.

Given the rapid evolution of AI, ASHRAE will need to regularly revisit its guiding principles, success criteria, and use case prioritization. A formal recommendation for moving forward will be presented to the Board at the meeting in Las Vegas.

Please contact Stephanie Reiniche ([sreiniche@ashrae.org](mailto:sreiniche@ashrae.org)) from ASHRAE Staff with any further questions.

# Proposed Members Council Streamlined Structure – 1a

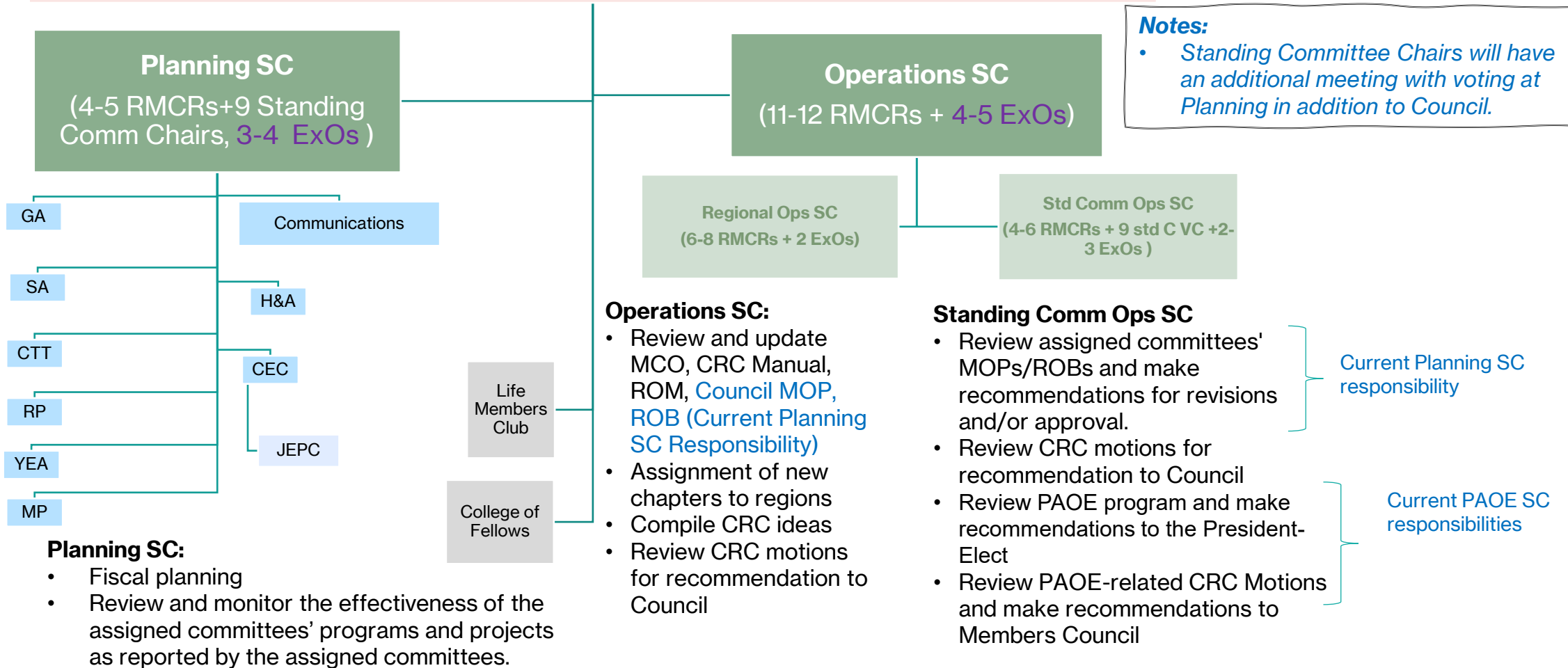
(Standing Committee Chairs vote at both Planning and Members Council)

## Members Council

(V: 1 Chair, 1 VC, 16 RMCRs, 9 StdC Chairs = 27, 7-9 BOD ExOs = 34-36)

**Notes:**

- Standing Committee Chairs will have an additional meeting with voting at Planning in addition to Council.



**Motion Title:** Complimentary Committee Meeting Registration for TC/PC/SC Members

**Meeting:** Fall Members Council Meeting 2025; Oct 16, 2025

**Moved By:** Dan Russell, RMCR Region IX

**Motion:** Move that ASHRAE amend *Rules of the Board Section 2.104.015.1 – Meeting Registration Fees* by adding a new Section **C** as follows:

**C. TC/PC/RVC Members – Meetings Only:**

Technical Committee (TC), Project Committee (PC), and Regional Vice Chair (RVC) members shall receive complimentary “Committee Meetings Only” registration for Annual and Winter Conferences. This registration includes access to committee meetings, Board of Directors meetings, Plenary Session, Members Lounge, and conference WiFi/power. Access to the technical program is not included but may be purchased at the published member rate.

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**Background:**

In September 2025, the Conferences and Expositions Committee (CEC) clarified that the “Committee Meeting Only” registration was never intended for Standing Committees and implemented stronger controls to enforce that policy beginning with the 2026 Winter Meeting in Las Vegas. While appropriate to align practice with existing formal policy, this clarification highlighted a gap: SC members, who perform critical Society governance work, were left without a complimentary registration option, effectively increasing the mandatory minimum registration fee from \$0 to \$125 to be allowed to participate in their committees at the conference.

For several years, Society leaders have encouraged SC members to use CMO registration without distinction between TC/PCs and SCs, making its sudden clarification a surprise to many. While a case could be made to recognize all SC members with this complimentary registration, this motion aims to focus on a unique subset of SC members, the Regional Vice Chairs (RVCs). This motion closes two gaps: first and foremost it codifies the complimentary committee meeting only registration in the Rules of the Board, which is currently nonexistent and secondly, it formally recognizes access to this registration option for RVCs in addition to TC and PC members.

**Rationale:**

- **Equity:** Complimentary registration is already granted to TC/PC members (per ANSI open-meeting requirements). RVC members perform governance work that is just as essential to the Society's operation and deserve similar access.
- **Acknowledgement of Meeting Costs:** There is a real cost to ASHRAE for providing meeting space, A/V, and support services. However, for RVCs, these meetings are not optional extras — they are required for the ongoing governance and functioning of the Society and their costs should be offset by broader funding sources.
- **Transportation Reimbursement:** RVC members may receive travel reimbursement, but Society does not cover the **largest expense — hotel lodging** — which remains the responsibility of the member, region, or chapter. Complimentary registration ensures the Society removes the smallest but most symbolic barrier (registration fees) and ensuring equitable access to these meetings through transportation reimbursement should not diminish the importance of also granting a CMO registration option.
- **Demographic & Business-Interest Contrast:**
  - **TC/PC Members:** Often have vested professional/business interest in attending (product development, standards participation) and are frequently employer-sponsored.
  - **RVC Members:** Primarily volunteers performing governance work with little or no direct business ROI, often using PTO or personal funds to attend. The sell for RVC members to employers about direct business benefit is much more difficult than for TC/PC members, and volunteer time is often much higher for RVC members who are required to travel for CRC and RPM in addition to the two annual conferences, and in many regions additional trips for supporting chapter visits, therefore transportation reimbursement AND CMO registration option ought to be provided for SC members who are not able to commit the additional time to purchase attendance to the technical program.
- **Volunteer Burden:** RVC meetings frequently conclude before the technical program begins, so paid registration provides no real benefit unless members extend their stays (adding even more hotel cost). In these cases, registration becomes effectively a **forced donation** to Society revenue.
- **Financial Impact:** SC members represented only ~4% of attendees at the 2025 Annual Conference. RVCs are minority subset of that. The cost of offering

complimentary registration is minimal relative to ASHRAE's healthy general fund, AHR Expo revenues, publication profits, and other funding sources.

- **Why not charge a modest fee to these attendees:** In principle, the Society should support and fund society governance activities and not place this as a burden on the volunteer. Other funding sources are available, and in recent history have more than covered the cost of these attendees who have elected for CMO option. These attendees are already bearing cost of lodging for this volunteer role (if not covered by employer or region).
- **Why focus on RVCs only and not all SCs:** A version of this motion has been considered that would provide complimentary CMO registration for all SCs, however the consensus on the Members Council Planning Subcommittee was that RVCs tend to bear a greater workload than other SC positions and tend to be earlier in their careers posing more difficulty to obtain other sources of funding.

RVCs have the largest travel commitment, being tasked with a minimum of 4 trips per year (Annual Conference, Winter Conference, CRC, and RPM) with possibility of 1-2 chapter visits if their DRC so directs them to do so. Most other SC members have only 2 trips required per year. Thus the time off from work & family as well as the financial cost of hotels is greater typically for an RVC than for other SC members.

RVCs are on average the youngest of all SC members, and are therefore least likely to be in professional roles that provide employer coverage for expenses and their non-billable volunteer time as paid time off from work.

Grassroots Standing Committee meetings are all completed prior to the plenary session at the annual and winter conferences with two of them being completed on Friday. For RVCs to receive benefit of a forced registration option, even at the smallest cost for a single session, they will have to further outlay 1-2 nights of hotel costs to stay longer than their committee assignments require of them.

It is understood the two annual conferences were originally intended for volunteers to attend both the committee meetings and technical program. However, as the society has grown, the society governance activities of Grassroots SCs have become more siloed as a pre-conference activity, whereas non-grassroots SCs and TCs are more integrated into the flow and schedule of the technical program. This is

another reason that the grassroots RVCs benefit less than other SC members, in general, from being forced to pay a registration fee for the conference.



## 2026 Washington Internship for Students of Engineering (WISE)

**Application Deadline: February 27, 2026**

**Program Dates: May 31-July 31, 2026**



The ASHRAE Washington Office is accepting applications for **the Washington Internship for Students of Engineering (WISE)** program for its summer 2026 session. ASHRAE will host an outstanding undergraduate or graduate engineering student to spend 9 weeks in Washington, D.C. as part of this program. During the internship, the selected individual will join 8-12 of their peers (sponsored by other organizations) to learn how government officials make decisions on complex technological issues and how engineers can contribute to legislative and regulatory public policy decisions. The students then write an in-depth research paper on a relevant technology issue and assess potential policy responses. We also wanted you to know that **ASHRAE Presidential Member Sheila Hayter** was a past participant of the program! The selected individual will receive a \$3,000 stipend and housing on George Washington University's campus for the duration of the program. Qualified students are encouraged to apply. Please contact [bcausey@ashrae.org](mailto:bcausey@ashrae.org) for more information.

Learn More and Apply Today



**ACTION ITEMS  
GOVERNMENT AFFAIRS COMMITTEE  
SY 2025-2026**

**Last Updated: January 30, 2026**

#	Action	Assigned To	Due Date	Status	C/O
<i>Continued from SY2024-25</i>					
1	Create video to show how to fill out and submit a GOE form. This video will be imbedded in the CRC GAC Training as well as the GOE training.	Staff (Karson)	Summer 2025	Ongoing. Video has been filmed and will be edited by marketing staff in the near future.	O
<i>Added at Oct. 23, 2025 Fall Meeting</i>					
2	Share advocacy resources (trainings and accompanying slides, presentations, collateral packets) with the EHC advocacy subcommittee	Staff	ASAP	Yates sent to EHC on 10-23-2025.	C
3	Send poll to GAC members to ask about dinner preferences for the Winter meeting in Vegas (close to hotel @ approx. \$100 dinner costs vs. 15-minute uber drive from hotel @ approx. \$60 dinner costs)	Staff	ASAP	Miller sent poll on 10-24-2025.	C
<i>Added at Jan. 30, 2026 Winter Meeting</i>					
4	Work with GASC to recommend one Region for a concentrated government outreach program (and recommend any financial requirements needed to carry out the program); this region could be used as a demonstration for other international regions.	Luis	June 2026		
5	Add photos from Romanian Ambassador meeting to the next "year in review" GOE video.	Staff	Fall 2026		
6	Draft a motion to add the award criteria and scoring mechanism for the Gov Affairs Society-level award to the Resource Manual.	Staff	Spring mtg		



#	Action	Assigned To	Due Date	Status	C/O
7	Share with the GAC the Building Code Assessment Tool (BCAT) developed by the CEBD. This tool could be used in your region, as the CEBD could help in hosting a BCAT workshop in your region. <a href="https://www.ashrae.org/technical-resources/cebd-center-of-excellence-for-building-decarbonization">https://www.ashrae.org/technical-resources/cebd-center-of-excellence-for-building-decarbonization</a>	Staff	ASAP		
8	Include Planning Committee Emerging Technologies document (agenda item #15-a) in the Winter 2026 Meeting minutes.	Staff	Mid-Feb.		
9	Develop a chapter-generic template/documentation to facilitate encouraging chapter members to attend DOTH events.	Staff (Jacob)	Feb.		
10	Review the Govt Affairs section of the Manual of Chapter Operations, and make any suggestions; please send suggestions to GovAffairs@ashrae.	All RVCs	Fall 2026		