

# MINUTES GOVERNMENT AFFAIRS COMMITTEE FRIDAY, FEBRUARY 7, 2025 1:00 PM – 5:00 PM EST HILTON ORLANDO

#### Minutes approved by GAC April 24, 2025.

#### **ATTENDANCE**

Members Present Sheila Hayter, Chair Meghan McNulty, Vice Chair Tim Wentz Andy Persily* Adrianne Mitani Patrick Villaume Weston Hockaday Adam Doubblestein Victor Nino* Doug Cage Luis Miguel Alvarado Peter Koeneck- Wilwerding Megan Tosh Keith Reihl PJ Johnston Will Fisher Eleazar Rivera Tracey Jumper Geoff Jenks Syed Mubarak Ioan Dobosi Varun Jain Ahmed Bolbol Sonya Pouncy Sarah Maston Bryan Holcomb	Members Absent Artorius Reyes Heather Schopplein	Guests Georgios Pantelidis, GTIC Erica Powell Samantha Slater, AHRI Michele Mihelic, AIA Bill McQuade Ashish Rakheja Martin Luymes, HRAI Vicki Worden, GBI Don Davis, BOMA Tobi Showunmi Darryl Boyce Chris Ruch, SMART Doug Fick Scott West Brad Lentz, ACEC/CAMEE Dwayne Taylor Thomas Kolpasky Megean Garrett Alex Armstrong Joe Pickens Matt Archey Stephanie Lamore Alexa Stone Jeff Hurd Sierra Spitulski Dennis Knight Bill Bahnfleth Larry Hodgins Austin Worrell Money Khanna
---	--	--

Staff
Alice Yates
Bryce Causey
Chris Miller
Emily Porcari
Jacob Karson
Neil Gavigan
Kirstin Pilot

#### Guests (continued) Madison Shultz Jonathan Alo Darryl Boyce Blake Ellis Collin Laisure-Pool Matthew Archey

Rob Craddock

<sup>\*</sup>Indicates Remote Participation

- 1. Call to Order, Welcome, and Roll Call Sheila Hayter called the meeting to order at 1:02 p.m. EST and welcomed the meeting attendees. Attendance was taken (see above). A quorum was present.
- 2. Guest Introductions Hayter asked the guests in the room to introduce themselves.
- 3. ASHRAE Value Statement Hayter read the value statement and referenced the hyperlinks.

#### 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 - <a href="https://www.ashrae.org/about/governance/code-of-ethics">https://www.ashrae.org/about/governance/code-of-ethics</a>
Core Values - <a href="https://www.ashrae.org/about/ashrae-s-core-values">https://www.ashrae.org/about/ashrae-s-core-values</a>
Diversity Statement - <a href="https://www.ashrae.org/about/diversity-equity-and-inclusion-dei">https://www.ashrae.org/about/diversity-equity-and-inclusion-dei</a>

- 4. Review of Agenda Hayter reviewed the agenda, and it was accepted as written.
- 5. Approval of Minutes from October 30, 2024 Meeting Hayter asked for a vote to approve the minutes from the October 30, 2024 meeting (See Attachment).

**MOTION:** To approve the minutes of October 30, 2024 GAC meeting. Motion made by Ahmed Bolbol and Seconded by Doug Cage.

MOTION PASSED: Approved By Voice Vote (CNV). No Objections. One abstention.<sup>1</sup>

- 6. Update on Action Items Alice Yates reviewed the Action Items (see attachment) and noted the updates regarding the 11/30/2024 deadline for actions items #2 and #3.
- 7. Report from ASHRAE Government Affairs Office: Policy Outlook and Opportunities Staff from the Government Affairs Office Staff provided a presentation (see Attachment) highlighting how staff can support GAC efforts and reviewing policy trends and opportunities for engagement in the current political environment.
- 8. Subcommittee Reports and MBO Status Reports (See Attachment)

2

<sup>&</sup>lt;sup>1</sup> Sonya Pouncy, who was absent from the Fall 2024 meeting.

- a. <u>Executive Subcommittee</u> Hayter provided an update on the Subcommittee's MBO and activities. There was no vote on Streamlining the Resource Manual as it was the consensus of the members that more time was needed to review the changes. Hayter also noted that the 2025-2028 Strategic Plan Preview is posted here: <a href="https://www.ashrae.org/strategicplan">www.ashrae.org/strategicplan</a>
- b. <u>Policy and Programs Subcommittee</u> Andy Persily provided updates on the Subcommittee's MBOs, the PPIBs (see Attachment), and the Pilot SME for GOEs Program.
  - i. MBO Update Persily referenced the updates provided in the attached table.
  - ii. Revised PPIBs

**MOTION:** To approve revisions of the 12 PPIBs listed below as recommended by PPSC (see attachments). Motion made by Persily.

- 1. Building Electrification
- 2. Building Decarbonization
- 3. Building Energy Benchmarking
- 4. Climate Change and the Built Environment
- 5. Consensus Standards- Expert Solutions to Meet Global Needs
- 6. Environmental Tobacco Smoke and Electronic Nicotine Delivery Systems
- 7. Indoor Air Quality
- 8. Refrigerants and Their Responsible Use
- 9. Resiliency in the Built Environment
- 10. STEM Education & Workforce
- 11. Indoor Carbon Dioxide
- 12. Wildfires and Indoor Environmental Health

MOTION PASSED: Approved By Voice Vote (CNV). No Objections. One abstention.<sup>2</sup>

- iii. Update on SME Program for GOEs Persily explained that the first set of SMEs have been approved and notified; the second set is aimed to be finalized in February. Staff are asking members when GOEs are being planned whether SMEs are needed or requested; so far, no SMEs have been requested.
- c. <u>Member Mobilization Subcommittee</u> -Ahmed Bobol provided updates on the Subcommittee's MBOs, GOE goals and status update (See Attachments). Jacob Karson provided a quick overview of a new advocacy tool for the U.S. called VoterVoice. Other outreach opportunities such as proclamations and resolutions were listed in the agenda:

.

<sup>&</sup>lt;sup>2</sup> Meghan McNulty

- Engineering Week (eWeek) Feb. 16-22, 2025
- High Performance Buildings Week June 2025
- International Women in Engineering Day June 23, 2025
- World Refrigeration Day June 26, 2025
- Energy Efficiency Day October 1, 2025
- i. <u>MOTION ON PAOE</u>: The MMSC discussed whether GAC should recommend to Members Council that it include in its PAOE:

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. 50 points per activity; 50 points max.

There was considerable discussion on this motion, but no vote was taken.

- d. <u>Global Affairs Subcommittee</u> -Eleazar Rivera-Mata provided updates on the subcommittee's MBOs.
- e. <u>Nominating Subcommittee</u> Meghan McNulty reported that the subcommittee has submitted its confidential recommendations, and explained the process for submitting for Society-level nominations (deadline of

**Feb. 14, 2025**, application and process details are here: https://www.ashrae.org/communities/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 V Adam Doubblestein
  - Region VII Douglas Cage
  - Region IX Peter Koneck-Wilwerding
  - Region XI Geoff Jenks
  - Region XIII Abdul Razaak Syed Mubarak
  - Region XV Dr. Varun Jain
  - Region I Will Fisher
  - Region III Patrick Villaume

- Region VI Victor Nino
- Region VIII Eleazar Rivera
- Region X Tracey Jumper
- Region XII Luis Alvarado
- Region XIV Ioan Dobosi
- RAL Ahmed Bolbol
- Region II Adrianne Mitani
- Region IV Weston Hockaday

11. GAC PHOTO – Photos of the current GAC members were taken by a professional photographer. Photos have been uploaded to the GAC Basecamp here: https://3.basecamp.com/3106353/buckets/1126389/vaults/8326667795

#### 12. Reports

- a. ExO Report Bryan Holcomb provided a report highlighting major Society news and updates (See Attachment).
- b. Communications Coordinator Report Sonya Pouncy provided a report highlighting communication news and updates (See Attachment).
- c. Technology Council Representative Report- Heather Schopplein provided a written report with highlights from Tech Council (See Attachment).
- d. Members Council Representative Report Keith Reihl provided a report with highlights from Members Council, including how ASHRAE assists members that have recently experienced hardship situations.
- e. Pub-Ed Council Representative Report -Megan Tosh explained that Pub-Ed would be meeting on Tuesday; she may provide a report following that meeting.

#### 13. Reports from Other Committees

- a. Environmental Health Committee and SSPC 241– Dr. Bill Bahnfleth, Presidential Member, Chair of SSPC 241 and Member of the EHC (and past EHC Chair) explained that EHC and GAC should continue to work on advocacy together, with the goal of not just promoting ASHRAE standards but on working on end points and goals; Bahnfleth noted that work should be pursued simultaneously at the local, state, and federal levels, using the grassroots to get boots on the ground to get the work done.
- b. Young Engineers in ASHRAE Paul Fernandez was unable to attend the meeting, and did not provide a report.
- c. Student Activities Committee Bob Snow provided a report with highlights from the Student Activities Committee (See Attachment).
- d. Center of Excellence for Building Decarbonization Blake Ellis provided a report, explaining that that CEBD reviewed two PPIBs and CEBD will be updating a presentation for government outreach events focused on building decarbonization.

#### 14. Guest Reports

- a. Air-Conditioning, Heating, and Refrigeration Institute (AHRI) A representative from AHRI was not available at this time of the meeting.
- b. Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI) Martin Luymes, Vice President, Government and Stakeholder Relations explained how HRAI is conducting advocacy, including through collaboration with ASHRAE.

- c. ACEC/CAMEE Brad Lentz, ACEC-CAMEE representative for MOU with ASHRAE provided a brief report.
- d. SMART, the International Association of Sheet Metal, Air, Rail and Transportation Workers Chris Ruch gave a report on how SMART is working with ASHRAE on government outreach, including in support of IAQ legislation and policies. SMART also has many training centers and they are working with Members Council to connect chapters with their training centers.
- e. Green Building Initiative (GBI) Vicki Worden, President & CEO provided a brief report, including on their new data center certification which relies on Standard 90.4.
- f. BOMA, the Building Owners and Managers Association International Don Davis, Vice President of Advocacy & Building Codes provided a brief report, explaining that BOMA looks forward to continuing collaborating with ASHRAE on advocacy.

#### 15. Other Business

- a. Expenses Incurred by Chapters or Regions during Government Outreach Events—Yates provided an update on how the training for chapters on financial risks now addresses expenses incurred during government outreach events, and how those might trigger additional tax filing requirements. (Presentation can be found on this website. The CRC GAC training will also be updated to reflect this additional information.
- b. Draft PAOE User's Guide (see Attachment) –McNulty provided a brief update on the PAOE User Guide.
- 16. Review of New Action Items added at this meeting Yates reviewed the new action items added during this meeting (see attachment).
  - Send thank you notes to government officials who participated on the GAC Advisory Board
  - Prepare one slide on how to request complimentary copies of ASHRAE Standards
  - Ask if the DL list can be categorized by PPPs
  - Review new training slides from agenda item #15-a and consider modifying the language
  - Ask Honors and Awards Committee if something can be given to nominees for the Society Award, such as a certificate or if not possible than a letter ("special mention") and to the RVC who submitted the nomination
- 17. Next Meeting -Hayter stated that the next meeting would occur virtually sometime in March or April, 2025.
- 18. Adjourn- Hayter adjourned the meeting at 4:58 p.m. EST.

Minutes Respectfully Submitted by Alice Yates, Staff Liaison.



#### **DRAFT MINUTES**

#### **GOVERNMENT AFFAIRS COMMITTEE**

#### WEDNESDAY, OCTOBER 30, 2024 10:30 AM – 12:30 PM EDT Virtual Meeting

1. Call to Order, Welcome, and Roll Call - Sheila Hayter called the meeting to order at 10:32 a.m. EDT and welcomed the Members. Attendance was taken (see below). A quorum was not initially present, but was present before votes were held.

#### Attendance

Present	Absent	Staff	Guests_
Sheila Hayter	Megan Tosh	Alice Yates	none.
Meghan McNulty	Artorius Reyes	Emily Porcari	
Keith Reihl	Adrianne Mitani	Jacob Karson	
Heather Schoppelein	Weston Hockaday	Jason Davidson	
Tim Wentz	Adam Doublestein	Chris Miller	
PJ Johnston	Victor Nino	Neil Gavigan	
Andy Persily	Doug Cage	Jeff Littleton	
Will Fisher	Eleazar Rivera		
Patrick Villaume	Ioan Dobosi		
Peter Knoeck-Wilwerding	Varun Jain		
Tracey Jumper	Sonya Pouncy		
Geoff Jenks	Sarah Maston		
Luis Alvarado			
Abdul Mubarak			
Ahmed Bobol			
Bryan Holcomb			

2. ASHRAE Value Statement - Hayter read the value statement and referenced the hyperlinks.

#### 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 - <a href="https://www.ashrae.org/about/governance/code-of-ethics">https://www.ashrae.org/about/governance/code-of-ethics</a>
Core Values - <a href="https://www.ashrae.org/about/ashrae-s-core-values">https://www.ashrae.org/about/ashrae-s-core-values</a>
Diversity Statement - <a href="https://www.ashrae.org/about/diversity-equity-and-inclusion-dei">https://www.ashrae.org/about/diversity-equity-and-inclusion-dei</a>

- 3. Review of Agenda Hayter reviewed the agenda and it was accepted as written.
- 4. Approval of Minutes from June 21, 2024 Meeting Hayter asked for a vote to approve the minutes from the June 21, 2024 meeting. See Attachment

**MOTION:** To approve the minutes of the June 21, 2024 GAC meeting. Motion made by Keith Reihl and Seconded by Ahmed Bobol.

**MOTION PASSED**: Approved By Voice Vote (CNV). No Objections. One abstention.

- 5. Update on Action Items—Alice Yates reviewed the Action Items (see attachment) and noted the one action item remaining from the Annual Meeting was still ongoing.
- 6. Subcommittee Reports and MBO Status Reports See Attachment
  - a. <u>Executive Subcommittee</u> Hayter provided an update on the Subcommittee's MBO and activities. Hayter reported the subcommittee met earlier this month and in addition to discussing the activities for each of the GAC subcommittees and our Communications activities, the subcommittee addressed the following:
    - Voted to approve revisions to the GAC resource manual, changing the date for Government Affairs Award nominations to be submitted from September 14 to October 31 (see motion below)
    - ACTION ITEM: Reminder that PPSC, MMSC, and GASC are to submit PAOE recommendations to GAC Vice Chair by November 30
    - ACTION ITEM: Please provide feedback to the GAC mentoring program by December 31.
    - Discussed streamlining of the GAC resource manual Meghan McNulty explained that there are many elements of the resource manual that are no longer used (such as forms to be printed out).
      - **ACTION ITEM:** All members to review the redline of the resource manual (on basecamp) and provide comments by Nov. 30.
    - Discussed an assignment from Members Council to review the Manual of Chapter Operations GAC Sections and provide comments/edits as needed.

ACTION ITEM: All members to review the Manual of Chapter Operations GAC Sections and provide comments by Nov. 15.

#### i. MBO Update

MBO #8, Recommended to MC to always state the time zone when listing times in all MC communications and documentation - complete

MBO #8 Recommending to MC to use another word than "par" to describe a level of chapter performance in earning PAOE points – Meghan to discuss with the MC PAOE subcommittee; several GAC members provided comments on this language.

ii. <u>Resource Manual Revision</u>: changing the deadline for Government Affairs Award nominations from September 15 to October 31.

**MOTION:** To revise the Resource Manual such that the deadline for nominations to be submitted for the Government Affairs Award would be changed from September 15 to October 31 (see Attachment). (Motion was approved by the GAC Executive Subcommittee on October 15, 2024.)

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

- b. <u>Policy and Programs Subcommittee</u> -- Andy Persily provided updates on the Subcommittee's MBOs, the PPIBs (see Attachment), and the Pilot SME for GOEs Program.
- c. <u>Member Mobilization Subcommittee</u> Ahmed Bobol provided updates on the Subcommittee's MBOs, GOE goals and status update (see Attachment), and GOE training feedback.
- d. <u>Global Affairs Subcommittee</u> Because Eleazar was not in attendance, Jacob Karson provided updates on the subcommittee's MBOs.
- e. <u>Nominating Subcommittee</u> Meghan McNulty discussed the timeframe for making recommendations for GAC leadership for the next society year.

#### 7. Reports

- a. ExO Report Bryan Holcomb had nothing to report as he explained the Board would be meeting the following week.
- b. Communications Coordinator Report Sonya Pouncy was not present and had nothing to report..
- c. Technology Council Representative Report Heather Schopplein provided several updates from the October 29 Tech Council Meeting (see Attachment).
- d. Members Council Representative Report Keith Reihl provided highlights from the October 28 Members Council meeting:
  - Members Council is aware that GAC would prefer an MC Representative to the GAC for 3 years; Reihl will be discussing with McNulty how the GAC

- Nominating Subcommittee might be able to provide input to the Appointments Roadmap to help with this continuity.
- There was significant discussion about changing awards to digital (the motion failed).
- Several CRC motions were considered.
- PAOE recommendations are being made for SY25-26; Reihl will be working with McNulty to coordinate recommendations from the GAC.
- e. Pub-Ed Council Representative Report Megan Tosh was not in attendance; Keith Reihl reported that he is a member of the Certification Committee, and there has been a lot of interest at the local level in the new Decarb Certification. Yates asked if collateral material were needed by Reihl or other members of the GAC to please let staff know.

#### 8. Other Business

- a. Feedback from CRC GAC Workshop Evaluations Jacob Karson gave an overview of evaluations from the workshop (see Attachment)
- b. Legislative Alerts for RVCs Jacob Karson discussed procedures for legislative alerts that RVCs will receive going forward.
  - **ACTION ITEM:** Karson will send an email to all RVCs with an explanation of this new process.
- 9. Review of New Action Items added at this meeting –Yates itemized the new action items from this meeting (see Attachment).
- 10. Next Meeting Hayter stated that the next meeting will be at the Winter Conference on February 7, 2025.
- 11. Adjourn Hayter asked for the meeting to be adjourned.
  - PJ Johnston moved to adjourn the meeting; Bobol seconded.

Meeting was adjourned at 11:48 a.m. EDT.

Minutes Respectfully Submitted by Alice Yates, Staff Liaison.



## ACTION ITEMS GOVERNMENT AFFAIRS COMMITTEE SY 2023-2024

Last Updated: January 24, 2025

,,			<b>5</b> 5 .	G	GIO.
#	Action	Assigned To	Due Date	Status	C/O
	led at 06-21-2024 Annual meeting	17	D 1	17 '	<u> </u>
1	Organize informal gathering at the	Karson	December 2024	Karson is	С
	2025 Winter meeting to discuss		2024	scheduling this	
	advocacy and ASHRAE positions.  Target date would be Saturday.			meeting – targeting for Sat.	
	Target date would be Saturday.			Feb. 8.	
Ada	led at 10-30-2024 Annual meeting			100.0.	
2	Review the redline of the Resource	All GAC	November	11/07 – Persily	O
	Manual and provide comments to	Members	30	provided	Ü
	Jacob Karson (jkarson@ashrae.org)			r	
	(Redline is available on Basecamp)			Jacob sent out an	
	`			email to the GAC	
				on 11/22 asking for	
				any	
				comments/feedback	
				from the GAC	
				members; only	
				comment received	
				was "this looks	
3	Submit PAOE recommendations to	Chairs of PPSC,	November	good."	
3	GAC Vice Chair (Meghan McNulty at	MMSC, and	30		
	meghan.k.mcnulty@pnnl.gov)	GASC	30		
4	Review the Manual of Chapter	All GAC	Nov. 15	Responses	С
'	Operations GAC Sections and provide	Members	1107.15	provided by Hayter,	C
	comments/edits as needed.	11201110 010		Persily, Johnston,	
	Please send to Sheila & Alice			Rivera.	
	(sheila.hayter@nrel.gov and				
	ayates@ashrae.org)			Suggestions sent to	
	(Note that the GAC Sections of the			Members Council on November 26,	
	Manual of Chapter Operations is			2024.	
	available on Basecamp)				
5	Shara foodback on the GAC mentaring	All GAC	December		С
	Share feedback on the GAC mentoring program to Sheila Hayter	Members	31		
	(sheila.hayter@nrel.gov)				
	(Shena.nayter@iner.gov)				



#	Action	Assigned To	Due Date	Status	C/O
6	Send an email to the RVCs explaining	Karson	ASAP	Email sent Nov. 5.	С
	the new legislative alert system that				
	staff will use.				



## ASHRAE Staff Report: Government Outlook and Opportunities for Engagement

Winter Meeting – February 2025

Alice Yates, Director of Government Affairs Emily Porcari, Manager of State and Local Government Affairs Jacob Karson, Manager of Government Advocacy and Outreach 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 <a href="mailto:GovAffairs@ashrae.org">GovAffairs@ashrae.org</a>













Alice Yates Jacob Karson

Director Advocacy & Outreach

**Emily Porcari State & Local** 

**Bryce Causey** Federal

Neil Gavigan Policy Analyst

**Chris Miller Office Manager** 

## Shifts in Policy Focus

















## **THREATS**

- Climate, building decarbonization, energy efficiency regulations and tax incentives are under attack by some interests that believe:
  - Government is over-reaching
  - Regulations (including building standards/codes) could negatively impact jobs, the economy, and affordability
  - Scientific claims are unfounded
- ASHRAE's long-standing private-public partnership with government may be challenged:
  - Participation of federal government employees
  - Lawsuit against federal agencies (HUD and USDA) that use ASHRAE (and ICC) standards





## **OPPORTUNITIES**

- Private sector resources and public-private partnerships
  - National Technology Transfer and Advancement Act
- Electric grid under increased strain
  - Data centers / Al
  - Manufacturing
- Sustained interest in IAQ/Healthy buildings, especially in schools
- Resilience from natural disasters
- Affordability energy efficiency saves money







### **OUTLOOK and OPPORTUNITIES**

Buildings continue to be on the policy and legislative agenda:

- To meet climate and carbon goals
- To provide healthy and safe places to live, work and learn
- To bring resilience to communities

→ ASHRAE resources and technical expertise continue to be in demand!







## **PIVOTS**

- Resilient and strong built environment rather than climate change and decarbonization.
- Productive and healthy workplaces rather than improved IAQ/IEQ.
- Economic growth from HVACR investments rather than HVACR investments to improve sustainability and mitigate climate change.
- Reduction of waste, energy security, grid resiliency & reliability rather than clean energy generation.
- Support for our military and jobs rather than decarbonizing DOD.

ASHRAE is a private-sector organization that creates industry consensus-based voluntary standards

## U.S. Federal: A New Administration



43 Executive Orders, Presidential Memoranda, and Proclamations, including:

- Declaring a National Energy Emergency
   Directs agencies to utilize their statutory emergency powers to speed
   up development and authorization of fossil fuel energy projects
- Unleashing American Energy
   Calls for an immediate "pause in the disbursement of funds"
   appropriated through the Inflation Reduction Act and Investment
   Infrastructure and Jobs Act

## Areas of Focus for the U.S. Congress



- Appropriations: March 14 deadline for FY25; Summer focus: FY26
  - Challenges with funding for our federal partners (DOE BTO, EPA ORIA, NIST)
  - Possible opportunities for report language to guide investments
- Budget Resolution and Reconciliation
  - Extension of 2017 tax cuts (\$5 trillion over 10 years per the CBO)
  - Possible elimination of tax incentives that support HVACR investments
  - Threats to non-profits like ASHRAE
- Congressional Review Act
  - Rules issued after August 16, 2024, are at risk of being overturned through a joint resolution of disapproval (several CRA bills already introduced)
  - DOE/EPA energy regulations at risk (water heaters, walk-in coolers/freezers, refrigerants)
- Possible EPCA Reform

## State and Local Outlook



- 46 state legislatures are currently in session; most will be in session through June
- Staff have reviewed approximately 3,000 bills
  - 150 flagged as priority and most relevant to ASHRAE
- Trends in state and local legislation:
  - Building code updates and revisions
  - Indoor Air Quality especially new IAQ requirements for schools
  - Decarbonization/Electrification majority of these bills are outside the scope of ASHRAE policy positions

## State and Local Outlook (cont.)



- Other legislation of interest
  - Building Performance Standards
  - Refrigerants
  - Resilience / Wildfires
  - Workforce technical training, certification, licensure
  - Data Centers generally beyond energy efficiency / 90.4

# **Government Outreach and Advocacy: State Specific Opportunities**



### Opportunities to Advance PPPs – States to Watch:

- WI, NH, NE, and others are attempting to update their building energy code.
- Many states, like WA and HI, are considering legislation that uses high housing prices to justify roll back energy efficiency and decarbonization laws.
- Numerous state legislatures are positioned to pursue building decarbonization, improve building energy efficiency, resilience, and indoor air quality.
- Numerous state legislatures are considering legislation to bolster their STEM and HVAC&R workforces (e.g., funding for technical programs and certifications, licensure).

## **State Capital Days on the Hill**



## **DOTHs Being Planned**

- South Dakota
- Nebraska
- Indiana
- Idaho
- Maine
- Texas
- Arizona
- Wisconsin

- North Carolina
- South Carolina
- Georgia
- Arkansas
- Florida
- Missouri
- Ohio
- Oregon

- Vermont
- Washington
- lowa
- Kansas
- New Hampshire
- California

## Government Outreach and Advocacy: LOOKING BEYOND THE UNITED STATES!



### Global opportunities abound!

- EU continues to move climate and building decarbonization.
- United Arab Emirates adopted standard 241!
- Chapters outside the United States continue to lead high numbers of GOEs.
- Canadian chapters are planning their annual Day on the Hill event.
- Government Affairs volunteers are beginning to work on translating advocacy documents into Spanish for their use in Latin America.

## Reminders regarding ASHRAE Advocacy



# ASHRAE shall be operated exclusively for scientific and educational purposes;

no substantial part of the activities of the consolidated corporation shall be the carrying on of propaganda or otherwise influencing or intending to influence legislation;

Source: Certificate of Consolidation, January 16, 1959.

## The purposes of ASHRAE (from Certificate of Consolidation)



- a) To advance the arts and sciences of heating, refrigeration, and air conditioning and ventilation, and the allied arts and sciences, for the benefit of the general public.
- b) To encourage and conduct scientific research and the study of principles and methods in the fields of heating, refrigeration, and air conditioning and ventilation, and the allied arts and sciences, the results of which shall be made freely available to the public.
- c) To promote the unrestricted dissemination of knowledge and information and, for such purpose, to publish and to foster the publication of books, periodicals, papers, reports, educational programs, and scientific and educational data relating to heating, refrigeration, and air conditioning and ventilation, and the allied arts and sciences.

## The purposes of ASHRAE (from Certificate of Consolidation)



- d) To engage in educational activities (not including the conduct of any school or institution of learning), and to encourage the adoption and maintenance of high standards of instruction and educational and professional training in the fields of heating, refrigeration, and air- conditioning and ventilation, and the allied arts and sciences.
- e) To cooperate with governmental agencies and with universities, colleges, schools, and other organizations and groups having the same or similar objects and purposes, and to establish scholarships and make contributions, grants, and awards in furtherance of the foregoing purposes.
- f) To establish, approve, adopt, and promulgate codes, standards, and procedures in the fields of heating, refrigeration, and air conditioning and ventilation, and the allied arts and sciences, subject the proviso that all such activities shall be conducted solely for the advancement of engineering science.



# Questions?

## Status Update: MBOs for the GAC SY2024- 2025

#### Last Updated: January 30, 2025

#	МВО	Subcommittee Assigned	Metric(s)	Status Update
1	MBO #1: Pivot GOE program to focus more on impact and follow-through and relationship-building and continuity after GOEs.  Completion date: 6/30/2025  Strategic Plan: Initiative 1, Goals 2a, 1B,3C	Member Mobilization	<ul> <li>Action items from the GOEs were completed in a timely fashion.</li> <li>Establish a percentage or number of GOEs that have a specific issue focus (related to PPPs), than simply introducing ASHRAE.</li> <li>Explore 2-5 tools for GOE record continuity at a regional level.</li> </ul>	The subcommittee has come up with suggestions for improving GOEs (#1) and regional/chapter continuity (#2):  1. Get to know people in the codes department or code council. Then outreach events can be tailored to them and not just an overall introductory meeting for higher-level officials. This is more likely to have a real impact on policy.  2. To help maintain continuity at the chapter level as the chapter GAC chair and potentially the GAC RVC change over in a new Society Year, staff will share the Government Outreach Event (GOE) reporting forms from the previous year with the RVC and the chapter GAC chairs as needed, so they know the recent history of government outreach in their area.
2	MBO #2: Increase awareness of the Government Affairs Award Completion date: 6/30/2025 Strategic Plan: Initiative 2, Goals 2a, 1b	Member Mobilization	Develop additional training for GAC Chapter chairs      Make recommendation to increase the PAOE points for GA6 & GA11	PAOE recommendations discussed during the Oct. 22 meeting have been sent to the GAC Vice Chair.

#	МВО	Subcommittee Assigned	Metric(s)	Status Update
3	MBO #3: Implement new SMEs for GOEs pilot program.  Completion date: 6/30/2025  Strategic Plan: Initiative 4, Goals 1b, 2b	Policy & Programs	<ul> <li>Define schedule and methodology for soliciting SME applicants.</li> <li>Connect appropriate subject expertise with government 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 of the program is advised, recommend updates to GAC guiding documents to support continuation of the SME program.</li> </ul>	The SMEs for GOEs Task Team met on 11/22/2024 to finalize the selections for this round of SMEs. The team agreed to accept nine and reject two applications. Staff have begun sharing a flyer to help recruit SMEs for the program, and this information is also included in the Leadership Presentation for the Winter Conference.
4	MBO #4: Develop future plan for GAC Advisory Board based on recent efforts of Board and discussions of effectiveness. Review recommendations of board and provide recommendations on how best to enact them.  Completion date: 4/18/2025  Strategic Plan: Initiative 3, Goals 1b, 2b, 3a	Policy & Programs	<ul> <li>Recommend whether Advisory Board should be continued.</li> <li>If it the Advisory Board should continue, then recommend how function of Advisory Board should be changed to meet its intended goals and whether it should be expanded to additional AHJs and other constituents.</li> <li>If the Advisory Board should not continue, then recommend how the intent of the advisory board could be met in other ways.</li> </ul>	This was discussed at the 11/13 PPSC meeting and will be reported to the GAC at an upcoming meeting.

#	МВО	Subcommittee Assigned	Metric(s)	Status Update
5	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. Completion date: 6/30/2025 Strategic Plan: Initiative 3, Goal 3b	Global Affairs	Nominate a liaison from GASC to GTIC and send recommendation to GAC Chair at earliest possible opportunity.  • Each member of GASC to provide a list of ASHRAE standards that have been adopted by various jurisdictions in their regions.  • Identify opportunities for ASHRAE Standards adoption, including through scheduling meetings, sharing information about standards, and/or writing advocacy letters for standards adoption.	Eleazar Rivera has been confirmed as the GAC-GTIC Liaison.  Discussed at Oct 2 <sup>nd</sup> GASC meeting. Coordination with GTIC complete.  Research projects assigned and progress will be discussed at the Winter Meeting in Orlando.
6	mBO #6: Provide recommendations to the full committee on priorities for document translation. Completion date: 6/30/2025 Strategic Plan: Initiative 3, Goals 1a, 1b, 2a	Global Affairs	Recommend languages for prioritizing translation.  Recommend documents for prioritizing translation.  Review current translated documents and languages.  Review current international market for translated and untranslated publications with ASHRAE's accounting department.	Discussed at Oct 2 <sup>nd</sup> GASC meeting.  Outreach to ASHRAE staff regarding data to substantiate recommendations has been completed. Accounting staff informed GASC staff liaison that reviewing sales data would not be helpful for this MBO.  Further outreach to Publications  Committee to coordinate work has been scheduled.  This MBO can be considered complete.

#	МВО	Subcommittee Assigned	Metric(s)	Status Update
7	methods for promoting the value and benefits of employee participation in ASHRAE and to encourage sponsorship and support for their employees by end of Q2.  Completion date: 12/31/2024  Strategic Plan: Initiative 4, Goals 2a, 2b	Member Mobilization	Develop 1-2 methods by end of Q2.	<ol> <li>We should suggest to employers that they offer a professional development day for their employees who are participating in a government outreach event as members of ASHRAE</li> <li>We should develop talking points/a letter for ASHRAE members, especially new members or those who have just changed jobs, to share with their employers about the benefits of ASHRAE membership (including the percentage reduction in cost the employer will receive if they sponsor 5 or more employees)</li> <li>With these two suggested methods, this MBO is now complete as of the end of Quarter 2.</li> </ol>

#	МВО	Subcommittee Assigned	Metric(s)	Status Update
8	MBO #8: Embed into the culture of ASHRAE inclusivity in GAC participation.  Completion date: 6/30/2025  Strategic Plan: Initiative 4, Goal 2a	Executive Subcommittee	Provide 1-2 recommendations to Members Council by end of Q4 of ways to promote inclusion and foster community and networking.	All GAC communication regarding meeting times must include the time zone; this practice is to promote inclusivity of all members and other participants, regardless of their geography.  Discussed at Oct. 15 subcommittee meeting; another recommendation might be to change the use of "par" for PAOE program.  McNulty also passed along this recommendation to the PAOE  Subcommittee, and it was discussed at the Nov 5th meeting.  While this MBO is completed based on the metric that was established, the GAC will continue to provide recommendations if we have more to offer.

Motion (Revisions to the GAC Resource Manual): That the GAC approves the attached revisions to streamline and remove outdated content from the Resource Manual.

**BACKGROUND:** The Government Affairs Committee Resource Manual has had minor revisions and updates made over the past several years, but has not undergone a review in its entirety until this Society Year. GAC Vice Chair Meghan McNulty and GAC Member Doug Cage, along with Government Affairs staff, discussed a list of changes in detail in a meeting on September 20, 2024.

These changes include: removing content copied directly from the ASHRAE Rules of the Board and replacing that with a link to where the Rules of the Board can be found on the website; making revisions to the RVC schedule to reflect updated deadlines and new guidance; adding a section to clarify the travel expected of GAC RVCs; removing outdated templates for drafting letters and emails; and addressing other non-substantive typos and formatting issues.

Staff sent an email with the proposed changes attached for review to all GAC members on November 22, and did not receive any further questions or additional revisions. An additional technical correction to Section T, Financial Assistance for International Outreach Events.

If these updates to the Resource Manual are approved by the GAC, staff will also make additional minor, non-substantive changes to ensure proper formatting in the final version.

On February 7, the Executive Subcommittee voted XXXX.

FISCAL IMPACT: NONE.

**STAFF IMPACT:** Minimal; work on revisions already completed – the document

would still need to be reformatted, finalized and uploaded to

basecamp.



# GOVERNMENT AFFAIRS COMMITTEE (GAC)

**RESOURCE MANUAL** 

Approved by Government Affairs Committee: 06-21-2024

1

## GOVERNMENT AFFAIRS COMMITTEE RESOURCE MANUAL

## TABLE OF CONTENTS

PURPOSE	3
A: COMMITTEE OBJECTIVES (MBOs)	4
B: MBOs TABLE	
C: CHAPTER GAC CHAIR MBO GUIDE (WITH EXAMPLES)	7
D: HELPFUL HINTS FOR GAC REGIONAL VICE CHAIRANNUAL SCHEDULE	8
E: STANDARDIZED RVC/ REPORTING FORMAT	
F: STANDARDIZED ExO/CONSULTANT REPORTING FORMAT	17
G: GAC CHAPTER CHAIR CALENDAR	18
H: GAC STANDING RULES	
I: GOVERNMENT AFFAIRS AWARD	23
J: DAVE PALTY OUTSTANDING GAC SERVICE AWARD	28
K: GUIDELINES FOR AWARDS	28
L: CONTENT, FORMAT AND HANDLING OF MOTIONS	30
M: MENTORING PROGRAM	
N: TIPS FOR GAC MEMBERS FOR MAKING A CHAPTER VISIT	39
O: PAOE INTERPRETATION GUIDELINES	
P: CHANGES TO THE RULES OF THE BOARD OR MOP	45
Q: CHAPTERS REGIONAL CONFERENCE (CRC)	47
R: GAC/TECHNOLOGY COUNCIL REGULATORY REVIEW PROCESS	
S: GOVERNMENT OUTREACH EVENT REPORTING FORM	57
T: FINANCIAL ASSISTANCE FOR INTERNATIONAL OUTREACH EVENTS	
II. A TOTA CHIMTENITEC	50

**Commented [MOU1]:** B and C look like they're deleted from the body?

## **PURPOSE**

The Government Affairs Committee Resource Manual is a reference <u>for\_containing</u> guidelines, forms, procedures, sample documents and other tools that the Committee uses in its day-to-day operations. It ensures consistency in the operation of the Committee and serves as an educational tool for new members. The Government Affairs Committee Resource Manual is an internal document of the Committee and requires the approval of the Committee only.

### A: COMMITTEE OBJECTIVES (MBOs)

Prior to the Society annual meeting, the incoming committee chair will prepare objectives for the committee for the next year and present these objectives to the committee for review during the Society annual meeting. The objectives will be included in the committee's report to the Members Ceouncil at the annual meeting as an information item, and a copy of the objectives will be sent to ASHRAE headquarters staff, Assistant to the BOD.

A. If any committee does not submit its objectives to the council at the annual meeting, the assigned BOD Ex Officiois responsible for contacting the incoming committee chair and working with him/her to complete these objectives.

The rules regarding ASHRAE MBOs can be found in the Rules of the Board. The current Rules of the Board can be found on the ASHRAE website, here: https://www.ashrae.org/about/governance

- B. ASHRAE headquarters staff Assistant to the BOD will send copies of objectives to the BOD Ex. Officio, committee staff liaison and council staff liaison. Staff liaisons will send objectives to committee and councilmembers.
- C. Each objective should be measurable and should include a projected completion date, fiscal impact (if any) and other information that would clarify the intent of the objective. If an objective is to be assigned to a specific member or subcommittee of the committee, this should also be included.
- D. A status report of the objectives will be included in the committee report submitted to the council at the Society winter meeting, and a copy of the objectives will be sent to ASHRAE headquarters staff, Assistant to the BOD
- E. A final report of the objectives will be included in the committee report submitted to the council at the Society annual meeting, and a copy of the objectives will be sent to ASHRAE headquarters staff, Assistant to the BOD. The objectives prepared by the incoming committee chair for the next year (or by the individual who will be the next year's chair) will also be included in this report. These two reports on objectives will show the council what the committee accomplished during the Society year that is ending and what is planned for the upcoming year.
- F. A suggested format for committee objectives (MBOs) is included as Appendix B of the GAC Resource Manual.
- G. The Executive Subcommittee shall assist the GAC Chair in preparing the Public Policy Priorities document for each Society Year.

Commented [KJ2]: Review for accuracy

**Commented [KJ3R2]:** Add that members council will send instructions on how to present and report MBOs, delete the MBO table that is on the following page

Commented [JK4R2]: Rather than explain the full process, which is unnecessary and we believe unhelpful, we can direct users to the RotB for if they have specific questions.

Formatted: Font: 12 pt

Formatted: Normal, Left, No bullets or numbering

## B: MBOs TABLE

Committee Chair:	<b>D.</b> MDC
Society Year:	
<del>Date:</del>	

ASHRAE Strategic Plan Goal and MBO	Committee Objective	<del>Metric</del>	Strategie Plan- Initiative #	Strategic Plan Goal #	Cost (if any)	Status

- List objectives, not action items or ongoing committee activities such as updating the committee's MOP.
- State objectives in clear, concise, measurable language. If necessary, cite sub-tasks and interim steps as a means of measuring objective completion.
- Cite the completion date for the overall objective as well as individual sub-tasks.
- State fiscal impact in dollars, staff hours, or staff trips, if necessary. State whether the program
  has been approved by the council and whether its cost has been included in the budget.

- State the primary responsible individual, subcommittee, or body.
- Report a brief but complete statement of status. Cite completion date if objective is fulfilled.

## C: CHAPTER GAC CHAIR MBO GUIDE (WITH EXAMPLES)

## **Management by Objectives**

Society Vear	Mambar 1.	Mambar
Doctory I car.	WICHIOCI I.	IVICINOCI 2

Chair: Member 3: Member 4:

<b>Priority</b>	Objective	Task/Function	Responsibility	Due Date	Status as of
		Attract committee members			
		Attend CRC for training			
		Newsletter- promotion of chapter- government- affairs			
		Reporting of Performance			
		Monthly program evaluation			
		Monthly speakers database			
		PAOE data entering in ASHRAE website			
		Awards and recognitions			
		Government Activities			
		Government Outreach Events			

## D: HELPFUL HINTS FOR GAC REGIONAL VICE CHAIR ANNUALS CHEDULE

#### **JULY**

- Obtain a list of current year's Government Affairs (GA) Chairs by running a Chapter CIQ report (see attachment A, CIQ Instructions). If any Chapters are without a GA Chair, follow up with the Chapter President.
- 2. Send introductory letter\_to all GA Chairs.
- Develop newsletter or article for chapter newsletter that summarizes events at past ASHRAE Annual Meeting.
- 4. Begin preparation for fall CRC workshop (if appropriate). Contact those who may be of assistance at regional or Society level.
- 5. Confirm PAOE year-to-date totals for GA with headquarters, with a copy to the Regional Chair, no later than 30th of the month.
- Prepare Regional Government Affairs MBOs for use at the region's planning session and the Society GA Committee (Please use formatin Section B, above).
- 7. Begin planning and scheduling Government Outreach Events.
- 8. Coordinate meeting with GAC Mentor/Mentee as needed.
- 9. Encourage Chapter GAC Chair to attend Chapter planning meeting.
- Look at "themes" on Chapter website and request a GAC theme for one of the upcoming Chapter meetings.
- 11. Start a journal with monthly to do items.

#### **AUGUST**

- In preparation for fall CRCs, make sure there are sufficient chapter chair certificates and other materials for distribution.
- Prepare a regional "GA Annual Report" for presentation at the first business session at the fall CRC. See Standardized RVC Reporting Format in Section E below for samplereport.
- 3. When arriving at the fall CRC, check the location of the room for the GA Workshop and notify the CRC General Chair immediately, if not satisfactory.
- Monitor GA Chair PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC.
- Encourage Chapter Chairs to work with CTTC Chairs to determine whether Distinguished Lecturers are available for government outreach.
- Conduct planning sessions with chapter GAC Chairs to identify issues chapter is targeting, set goals, and award PAOE points after meeting is conducted.
- 7. Coordinate meeting with GAC mentor/mentee as needed.

#### **SEPTEMBER**

- 1. Send out letter reminding all GA Chairs of their responsibilities.
- 2. Ask GA Chairs for 12-month planning schedule.
- Monitor GA Chair PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC.

**Commented [MOU5]:** Speaking of inclusivity and time zones, ya know fall is a northern hemisphere thing in this case. Are there any "spring" CRC's in the southern one?

Commented [MOU6]: This would be the first meeting. Rather than "as needed," I'd just say do it. Later months, a needed probably makes more sense.

Commented [MOU7]: Is this basically a mechanism for the RVC to keep track of things? Calling it a journal sounds like a hard copy book? Maybe you just want to say create a document, paper or electronic, to manage monthly tasks or something like that?

- 4. SubmitGAC Awards to Society for judging. GAC award nominations to Government Affairs staff.
- Conduct planning sessions with chapter GAC chairs to identify issues chapter is targeting, set goals, and award PAOE points after meeting is conducted.
- 6. Coordinate meeting with GAC mentor/mentee as needed.
- 7. For each RVC with chapters outside the U.S., if funding is made available to reimburse transportation expenses for Government Outreach Events, a plan for this funding must be submitted to that RVC's DRC no later than September 30 of each Society Year,
- 8. Attend fall GOE training session provided by Government Affairs Staff if held in September.

<del>7.</del>9.

#### **OCTOBER**

- Approximately October 15, notify Chapter President and GGA Chairs of submission dates for PAOE points.
- Monitor GA Chair PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC for the Presidential guidelines.
- 3. Work on Subcommittee assignments as assigned and by due dates set by the GAC.
- 4. Conduct planning sessions with chapter GAC chairs to identify issues chapter is targeting, set goals, and award PAOE points after meeting is conducted.
- 5. Coordinate meeting with GAC mentor/mentee as needed.
- 6. Attend fall GOE training session provided by Government Affairs Staff if held in October.

5.

### **NOVEMBER**

- 1. Work on subcommittee assignments as assigned and by due dates set by GAC.
- 2 Monitor GA Chair PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC for the Presidential guidelines.
- 3. Coordinate meeting with GAC mentor/mentee as needed.

Formatted: Not Expanded by / Condensed by

Formatted: Indent: Left: 1.4", No bullets or

#### **DECEMBER**

- 1. Prepare and distribute second or third regional letter.
- Follow up with chapters on "Chapter Program Evaluation Summary" Forms for Best Chapter Program Competition, asapplicable.
- 3. Continue efforts on subcommittee assignments as applicable.
- Approximately December 15, remind Chapter Presidents and GA Chairs of due date for PAOE point submissions.
- 5. Monitor GA Chair PAOE points submitted in accordance with the current Presidential PAOE guidelines. Input any PAOE points required by the RVC for the Presidential guidelines.
- Prepare Regional RVC report, liaison overview, and updated MBO for Society meeting. Submit documentation to GAC per the criteria established by the committee (due dates and paper/electronic format).
- 7. Attend GA Committee RVC Training at the Winter Conference.
- 7. Coordinate meeting with GAC mentor/mentee as needed,
- 8. Attend winter GOE training session provided by Government Affairs Staff if held in December

## **JANUARY**

- 1. Interface with subcommittee members and GA Chairs as they prepare progress reports.
- 2. Attend subcommittee meetings prior to GA Committee meeting at ASHRAE Winter Conference.
- 3. Attend GA Committee and assigned subcommittee meetings at ASHRAE Winter Conference.
- 4. Attend other required committee/council meetings at ASHRAE Winter Conference.
- Monitor GA Chair PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC.
- Coordinate meeting with GAC mentor/mentee at Winter meeting to review year to date progress.
- 7. Attend winter GOE training session provided by Government Affairs Staff if held in January. 6-8.

#### **FEBRUARY**

- Begin preparations for spring CRC Workshop (if appropriate). Contact those who may be of assistance at regional or Societylevel.
- $2. \quad Begin \, preparation \, for \, third \, quarter \, regional \, letter \, preparation.$
- Approximately February 15, notify Chapter Presidents and GA Chairs of due date for PAOE point submission.
- Monitor GA Chairmen PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC.
- $5. \quad Follow up \ with \ assigned \ liais on committees to \ receive \ minutes \ and \ other \ publications.$
- 6. Coordinate meeting with GAC mentor/mentee as needed.
- Encourage GA Chairs to coordinate with local Student Activities chairs as well as CTT chairs to plan events in conjunction with E-Week.

Commented [MOU8]: Is this a newsletter?

Formatted: Not Expanded by / Condensed by

**Commented [KJ9]:** Add a short section that addresses what travel is expected/required (CRC, conference) and how/who reimburses it.

**Commented [KJ10R9]:** Add a line about communicating/coordinating with your region about regional travel.

**Commented [KJ11]:** Add a "notify new RVCs" line to calendar - need to confirm where this goes out and if it's within the scope of the conference

#### **MARCH**

- 1. Continue work on subcommittee assignments as applicable.
- 2. Approximately March 15, notify Chapter Presidents and GGA Chairs of due date for PAOE point submission.

- Monitor GA Chair PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC.
- 4. Coordinate meeting with GAC mentor/mentee as needed.

### **APRIL**

- 1. Add any additional materials to enhance the GA Workshop for spring CRC.
- 2. Continue effort on subcommittee assignments as applicable.
- Approximately April 15, notify Chapter Presidents and GA Chairs of due date for PAOE point submission. Closely monitor PAOE reporting and work with delinquent chapters.
- 4. Monitor GA Chair PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC.
- 5. Coordinate meeting with GAC mentor/mentee as needed.

#### MAY

- 1. In preparation for spring CRC, make sure there are sufficient chapter chair certificates and other materials for distribution.
- 2. Prepare a regional "GA Annual Report" for presentation at the first business session at the Spring CRC. See *Standardized RVC Reporting Format* in Section E below for samplereport.
- 3. When arriving at the CRC, check the location of the room for the GA Workshop and notify the CRC Chair, if not satisfactory. Conduct the CRC Workshop, with assistance from others, asneeded. Submit Workshop Evaluation Summary Forms within 30 days following the CRC to Headquarters.
- 4. Indicate preferred subcommittee assignment to incoming Society GA Committee Chair.
- Approximately May 15, notify Chapter Presidents and GA Committee Chairs of due date for PAOE point submission. Push for final phase of PAOE reporting.
- Monitor GA Chair PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC.
- 7. Determinedue dates for GAC awards and notify GGA Chapter Chairs.
- 8. Coordinate meeting with GAC mentor/mentee as needed.

### **JUNE**

- Followup with chapters on "Chapter Program Evaluation Summary" Forms for Best Chapter Program Competition, asapplicable.
- 2. Prepare for ASHRAE Annual Conference, including a regional RVC progress report.
- As necessary, assist Society-level subcommittees in preparation of progress reports for ASHRAE Annual Meeting.
- 4. Attend GA Committee and assigned subcommittee meetings at ASHRAE Annual Meeting.
- 5. Attend other required committee/council meetings at ASHRAE Annual Meeting.
- 6. Attend GA Committee Training at the ASHRAE Annual Meeting.
- 7-6. approximately June 15, notify Chapter Presidents and GA Committee Chairs of due date for final year-end PAOE pointsubmission.

- 8-7. Monitor FINAL GA Chair PAOE points submitted in accordance with the current PAOE guidelines. Input any PAOE points required by the RVC Address any apparent discrepancies in reporting observed.
- 9-8. Assemble judges, judge chapter entries, and notify chapter winners of regional technology awards winners. Help winners to refine entries in preparation for society submittal.
- $\underline{\textbf{10.9.}}. Coordinate\ meeting\ with\ GAC\ mentor/mentee at\ Winter\ meeting\ to\ review\ year to\ date\ progress.$

## S: INFORMATION ON TRAVEL EXPECTED OF RVCS

Government Affairs Committee RVCs are expected to attend their CRCs, the ASHRAE Summer conference, and the ASHRAE Winter Conference.

Reimbursement for certain travel expenses is provided. For RVC travel to the ASHRAE Summer Conference, the ASHRAE Winter Conference, and to CRCs, reimbursement is provided by the Society. ASHRAE Government Affairs staff will send information about reimbursement out in advance of these events.

Additionally, RVCs should be in communication and coordination with their region regarding travel to chapters and events specific to their region.

**Commented [JK12]:** Section letter will be changed on final pass, and worked into the table of contents.

**Commented [JK13]:** Section designation letter will be updated on final review, and added to table of contents

Formatted: Centered

**Commented [MOU14]:** Does this mean in-person? If not, a little clarify about remote options might be nice.

## 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	1
CRC (review with DRC)	
Region #	
Total number of chapters in region	
Total # of U.S. chapters in region	
Total # of international chapters in region	
Number of chapters present at CRC training	
Number of GA chapter chairs/substitutes present at GA training	
Percentage of participation	
Percentage of GA chapter chair participation	
No. of planning sessions held	
PAOE	
No. of Chapters Reporting PAOE Points:	
No. of Chapters Making Society Minimum:	
No. of Chapters Making Society PAR:	
Highest PAOE Points by a Chapter:	
Percentage of chapters reporting	
Percentage of chapters making Society Minimum	
Percentage of chapters making Society PAR	
PAOE Trending by Chapter (up or down):	
CHAPTER VISITS Made by GAC RVC	
No. of visits made:	

Formatted: Right: 0"

**Commented [MOU15]:** I pulled the right side of the table out to allow some of these entries to fit on one line and the whole thing on 1 page.

**Formatted Table** 

**Commented [JK16]:** Reflects that chapter chairs can designate a vice chair/co chair to attend

No. of visits scheduled:
Percentage of chapters visited:
GAC AWARDS

Government Outreach Events	
Government Outreach Events	
No. of Local Events	
No. of State Events	
No. of Federal Events	
No. of Global Events	
No. of Chapters Participating	
No. of government officials visited	
No. of ASHRAE members participating	
No. of Chapters reporting	
No. of days duration	

## F: STANDARDIZED ExO/CONSULTANT REPORTING FORMAT

• Issues and Updates (ExO Report): The Executive Officer gives a report to the GAC that is developed by the Board's Executive Committee.

Formatted: Heading 1, Indent: Left: 0.88", Space Before: 3 pt, Tab stops: 2.17", Left + 7.92", Left

**Commented [KJ17]:** Review for accuracy - does excom actually do this?

**Commented [JK18R17]:** Is this the report that board members give in all committee meetings about the state of the society?

Commented [JK19R17]: Confirmed - this does happen, but it doesn't really need to be in the resource manual. This does not have a govt affairs component, it's just something that happens at the conferences.

#### G: GAC CHAPTER CHAIR CALENDAR

#### **MAY-JULY**

- 1. Recruit the GAC chair\_(if not filled yet) and additional GAC committee members as needed.
- Set up a GAC committee meeting and assign members to manage each state and local jurisdiction within the Chapter's geographical boundaries.
- Develop an article for chapter newsletter that highlights events and overall PAOE of last year's chapter meetings.
- Contact your GAC Regional Vice Chair (RVC). Prepare and attend Fall CRC workshop (if appropriate).
- 5. AttendGAC Chapter Training Workshop at the Fall CRC (if appropriate).
- 6. Begin planning and scheduling Government Outreach Events.
- 7. Attend Chapter planning meeting, if possible.
- 8. Look at "themes on Chapter website and request a GAC theme for one of the upcoming meetings.
- 9. Start a journal with monthly to do items,

<del>9.</del>

#### **AUGUST**

- Review the current year's society PAOE GAC sheets with committee and BOG members, develop tentative goals and deadlines. Encourage joint activities with local government organizations.
- 2. Deliver MBO to the chapter president.
- 3. Coordinate with RVCs regarding Government Affairs award nominations.

2.

### **SEPTEMBER**

- Announce chapter-level Government Activities deadlines, requirements for competitions at chapter, regional and society levels and actively encourage and assist submissions.
- 2. Schedule a planning session with RVC which is due by October 30.
- 3. Report on GAC activities that have occurred since the last meeting,
- 4. Attend fall GOE training session provided by Government Affairs Staff if held in September,

3.

### **OCTOBER**

- 1. Report on GAC activities that have occurred since the last meeting.
- 2 Schedule a planning session, if not already completed, with RVC which is due by October 30,
- 3. Attend fall GOE training session provided by Government Affairs Staff if held in October.

2.\_\_\_

#### **NOVEMBER**

Commented [MOU20]: See earlier comment

Formatted: Not Expanded by / Condensed by

Formatted: Indent: Left: 1.4", No bullets or

Formatted: Not Expanded by / Condensed by

Formatted: Not Expanded by / Condensed by

Formatted: Indent: Left: 1.4", No bullets or

Formatted: Not Expanded by / Condensed by

Formatted: Not Expanded by / Condensed by

Formatted: Indent: Left: 1.4", No bullets or

Formatted: Not Expanded by / Condensed by

- 1. Report on GAC activities that have occurred since the last meeting.
- 2. Provideor contribute a GAC article for the next issue of chapter newsletter.

## **DECEMBER**

- 1. Reporton GAC activities that have occurred since the last meeting.
- 2. Provideor contribute an article and photos for the next issue of chapter newsletter.
- 3. Remind BOG members, committee chairs and membership to report qualified, GAC PAOE activities, and enter these PAOE points before the end of year.

4.—Attend winter GOE training session provided by Government Affairs Staff if held in December. GAC Chapter Chairs are encouraged to attend GAC training at Winter Meeting.

#### **JANUARY**

- 1. Report on GAC activities that have occurred since the last meeting.
- 2. Provideor contribute an article and photosforthe next issue of chapter newsletter.
- Coordinate with Student Activities Chair and CTT chair on upcoming E-Week events the chapter will be involved in.
- 4. Attend winter GOE training session provided by Government Affairs Staff if held in January.

3\_\_\_

#### **FEBRUARY**

- Contact your GAC Regional Vice Chair (RVC). Prepare and attend Spring CRC workshop (if appropriate).
- 2. AttendGAC Chapter Training Workshop at the SpringCRC (if appropriate).
- 3. Report on GAC activities that have occurred since the last meeting.
- 4. Provideor contribute an article and photosforthe next issue of chapter newsletter.
- 5. GAC Chapter Chairs may, at their discretion, attend the GAC meeting at the ASRHAE Winter Conference,
- 4.6. New RVCs will be notified of their appointment.

#### **MARCH**

- Contact your GAC Regional Vice Chair (RVC). Prepare and attend Spring CRC workshop (if appropriate).
- 2. Attend GAC Chapter Training Workshop at the Spring CRC (if appropriate).
- 3. Report on GAC activities that have occurred since the last meeting.
- 4. Provideor contribute an article and photos for the next issue of chapter newsletter.
- Assemble judges, judge chapter's Government Activities Award entries, and notify chapter winners. Forward first-place winner/entry in each category to RVC for regional competition.
- 6. Announce the date/time and topic of society web seminar to membership.

## APRIL

- 1. Report on GAC activities that have occurred since the last meeting.
- 2. Provideor contribute article and photos for the next issue of chapter newsletter.

#### **MAY**

- 1. Report on GAC activities that have occurred since the last meeting.
- 2. Provideor contribute an article and photos for the next issue of chapter newsletter.
- Help chapter's Government Award first-place winners to refine entries in preparation for Regional submittal.
- 4. Remind chapter members in newsletter for the upcoming society annual meeting.

Formatted: Not Expanded by / Condensed by

Formatted: Not Expanded by / Condensed by

Formatted: Not Expanded by / Condensed by

### 5. GACChapter Chairs are encouraged to attend GAC training at Annual Meeting.

## <u>JUNE</u>

- 1. Report on GAC activities that have occurred since the last meeting.
- Remind BOG members, committee chairs and membership to report qualified, GAC PAOE activities, and enter these PAOE points before July 15.
- 3. Help chapter's regional Government Activities Award first-place winners to refine entries in preparation for society submittal, ensure the submissions will be received by society by September 30,
- 4. GAC Chapter Chairs may, at their discretion, attend the GAC meeting at the ASRHAE Summer Conference.

<u>3</u>.

Formatted: Not Expanded by / Condensed by

Formatted: Not Expanded by / Condensed by

Formatted: Indent: Left: 1.4", No bullets or

## H: GAC STANDING RULES

- Every GAC and Subcommittee meeting invitation or communication about scheduling must contain the time zone of the meeting.
- Trainings: The Government Affairs Committee will hold two annual training sessions. The first session is intended primarily for incoming GAC members and will take place shortly before the start of the new Society Year; this first session will broadly cover the mission, functions, procedures, logistics, and resources of the Committee. The second session will focus on Government Outreach Events and will take place in two parts, with the first part scheduled for September/October and the second part scheduled for December/January.
- The rules regarding ASHRAE Council and Committee meetings can be found in the Rules of the Board., Section 2.104.002. The current Rules of the Board can be found at this link:

  https://www.ashrae.org/about/governance/rules of the board. (An ASHRAE member login will be needed to access the document.) on the ASHRAE website, here:

  https://www.ashrae.org/about/governance

#### I: GOVERNMENT AFFAIRS AWARD

The Government Affairs Award recognizes an ASHRAE member who demonstrates outstanding efforts in the national, state, provincial and/or local government on technical issues important to ASHRAE.

#### **Purpose**

The purpose of the award is to stimulate effective participation by ASHRAE members in national, state, provincial, and/or local government activities in connection with technical issues related to the purpose of the Society.

Guidelines for the Government Affairs Award Presentation

Each year the Society recognizes exceptional performance by a member in the area of government activities. During the Society fiscal year, Chapters assemble support materials describing the member's activities in interacting with national, state, provincial and/or local governments.

A typical award application includes a standard cover page (see below), a narrative section, the Chapter's government advocacy plan, the member's government advocacy with relevant documentation, publicity, etc.

Eligibility Requirements

An ASHRAE member interacting with national, state, provincial and/or local governments is eligible for nomination for this award. Applications may be submitted by a Chapter or by any ASHRAE member in good standing. The winner is selected from these entries. The Chair of the GAC Member Mobilization Subcommittee is responsible for organizing the Government Affairs Awards program, establishing submission deadlines and selecting the entry to Society programs.

Judging: A minimum of three judges will be selected by the GAC. At least one judge should have experience as a Chapter officer - preferably with involvement in a Chapter government activity. Judging guidelines for the Society award are provided in the GAC's MOP. The judging occurs in the fall immediately following the last Chapters Regional Conference.

### Selection Schedule

1. Regional Vice Chair may select an entry for the CRC (optional):

Submittals due to RVC for Regional competition Judging completed for Regional Submittals Notification to Regional Winner Determined by RVC Determined by RVC At CRC 2. Nominations for this award are submitted to the Regional Vice Chair, who submits all entries for Society competition no later than September 15 and must include:

Standard Cover Page, Narrative Section, the Chapter's or Chapters' Government Affairs Plan, Relevant Documentation, Publicity, etc.

Submit one copy electronically in pdf format to GovAffairs@ashrae.org.

- 3. Staff sends regional submittals to GAC Judging Panel by October1
- 4. Judges deliberate and make decision by the Winter Meeting
  - a. GAC recommends final candidate to Honors and Awards Committee for approval by Members Council at Winter Meeting
  - b. Staff notifies first place winner
  - c. Judging Panel submits article on winner to be published in the Government Affairs Update (GAU)
  - d. RVC notifies individuals who were not selected and lets them know that they will receive a highlight in an upcoming  ${\bf GAU}$

#### Presentation

The Government Affairs Award is presented at the Society's Annual Meeting. The first place winner is recognized during the Honors and Awards portion of the Plenary Session.

## GAC SUBMITTAL FORMAT FOR GOVERNMENT AFFAIRS REPORTAWARD

## 1. Cover Page

## GOVERNMENT AFFAIRS AWARD APPLICATION

Society Year 20\_\_\_\_- 20\_\_\_\_

## **Contact information for Nominee**

Name of Nominee	ASHRAE Region	Chapter	Positions in Chapter	Full Mailing Address	Email	Chapter President Name, Signature and Date

## **Contact information for Nominator(s)**

Name(s) of persons making Nomination	ASHRAE Region	Chapter	Positions in Chapter	Full Mailing Address	Email

## Signature and Date:

## 2. Government Affairs Plan

- Presentations to Government Groups
- Methods to Encourage ASHRAE Chapter Member Activity with GovernmentEntities
- Non ASHRAE Member interactions with Government Entities
- Description of Activities
- Plan and Associated Accomplishments
- Formation and coordination of efforts with other Chapters (if applicable)
- 3. Discussion of how Government Affairs efforts were implemented highlighting successes and failures by this nominee or team of nominees. If applicable, please note how multi-Chapter teams' activities enhanced the success of this effort.

## **Discussion of Future Focus and Activities**

## Appendices - Optional

- Government Entity Identification Forms
- Liaison Interest Forms
- Chapter Involvement Survey Forms
- Correspondence
- Publicity

Submit to Chair Government Activities Committee's Member Mobilization Subcommittee by sending to GovAffairs@ashrae.org

## J. DAVE PALTY OUTSTANDING GAC SERVICEAWARD

## **Dave Palty Outstanding GAC Service Award**

The Dave Palty Outstanding GAC Service Award is an <u>informal committee</u> award that is given each year to recognize outstanding overall effort on the GAC committee. The subject award will be judged by a 3-person committee made up of the current year Chair, Vice-Chair, and GAC staff director. The individual will be recognized at the GAC committee meeting at the ASHRAE annual meeting and will receive a plaque recognizing their outstanding efforts over the course of the year to promote and advocate on behalf of ASHRAE

#### K: GUIDELINESFOR AWARDS

All requests or suggestions for new awards, revisions to current awards, or award deletions shall be forwarded to the Honors and Awards Committee for review and recommendation before being forwarded to Members council and the BOD for review and approval.

ASHRAE awards are grouped into the following categories, each of which has their defined forms of award:

Personal Honors

Personal Awards for General Society Activities

Personal Awards for Specific Society Activities

Paper Awards

Society Awards to Groups or Chapters

Awards will normally carry the name of an ASHRAE activity (e.g., Distinguished Service Award, Fellow, Journal Paper Award, etc.) No business, product, or commercial name shall be used for an award. Only in <u>very</u> exceptional instances may consideration be given to naming an award for an individual member.

Each proposed award shall be submitted with a detailed description, including the name of the award, the suggested category for the award, the reason for establishing the award, and the proposed selection and awarding process to the Honors and Awards Committee.

Proliferation of awards that will tend to detract from the worth of existing awards must be avoided. The award must first be considered as applying to an important field of ASHRAE related activity; the name of the award would then addprestige.

Awards may be proposed by any committee, chapter, or individual to the immediate authority but eventually must pass through the Honors and Award Committee for approval prior to submission to Members Council and then to the Board of Directors. The Honors and Awards Committee will assist anyone wishing to submit a proposal for a new award. The proposal should be reviewed early in the process to allow determination for the appropriate nature of the anticipated award and meeting all necessary criteria for acceptance.

Commented [KJ21]: Alice says delete all of this section

#### L: CONTENT, FORMAT AND HANDLING OF MOTIONS

#### INTRODUCTION

A motion is an important tool for conducting business within the Society and for proposing action on an important issue. A motion should be written in succinct language. If a motion is expected to move through several levels of approval (for example from a subcommittee to a committee, then to a council and ultimately to the Board), state what is recommended but omit references as to which body must approve it. The committee can then pass the motion along to the council (and to the Board, if required) as it is written without having to rephrase it. If a rule or policy already exists, a motion to re-affirm the rule or policy is out of order.

### CONTENT

When a motion is made recommending that a higher body approve it, the following should be included: Motion (request action)

Background (reason for action)

Fiscal impact (estimated cost of action)

Staff impact (estimated staff time required)

#### **FORMAT**

The body of a motion should contain as completely as possible the following information:

- State the action that is being recommended. For example, "I move that \$75,000 be allocated..."
- Qualify elements of the motion so that they are not open for interpretation, debate or negotiation. For example,
  - "I move that \$75,000 be allocated to develop a certification course on fan design..."
- 3. Include the time frame for completing the action if a time is desired. For example,
  - "I move that \$75,000 be allocated to develop a certification course on fan design to be completed by June 2007."
- 4. If a motion is anticipated to become a Rule of the Board (ROB) it should be worded as a rule. A rule number should also be suggested. Existing related rules may be included in the background. If a motion is to amend an existing ROB, deletions should be shown as strikethroughs and additions should be shown as double underlines. See examples below.

#### New ROB:

"Imove that a new ROB be added to ROB Volume 2, 2.105.003, to read as follows:

A reference manual should contain reference documents, white papers, guides etc. that the council or committee uses in conducting its work but that are not appropriately a part of the Rules of the Board or the council's or committee's Manual of Procedures.

Commented [KJ22]: Review when we say "staff" if we specifically mean ASHRAE Staff vs Govt Affairs staff Amendment to existing ROB:

"I move that the proposed change to the Election and Appointment Procedures be approved as follows (strike through = deletion; double underline = addition):

 Unless otherwise provided, the committee members and the respective chairs thereof shall be selected by the President-Elect in advance of the annual meeting and be confirmed by the President-Elect when he/she takes office as President, with the approval of the Board of Directors at the first meeting called after the report on the election.(SBL

7.2)

2. The selection procedure for each <u>standing</u> committee which is not directly elected by the Board of Directors is as follows: <u>At least</u> two months prior to the Annual Meeting, the President-Elect shall submit <u>recommended</u> appointments of standing committees and their respective chairmen and vice-chairmen to the Board of Directors. <u>With approval of the Board, these designated shall, at least 30 days prior to the annual meeting.</u>
<u>Appointees shall</u> be invited to attend any meetings of their committees that may becalled during the Annual Meeting. <u>Committee appointments shall be approved by the Board of Directors as required by the Society Bylaws (65-07-04-23/95-01-29-05).</u>

#### BACKGROUND

Provide progression of events, the reason (what the action would accomplish) or other information that would help the approving body to debate and decide on the issue. The more thorough the background, the more convincing the arguments, the more complete the research, the more beneficial the request is to the betterment of the Society, the more likely the motion will be approved. Include the recommending body's vote count to assist the approving body in determining the level of support or controversy.

When a motion is made, it must be seconded unless it is from a committee or subcommittee. Once the motion is moved and seconded, the chair then states the motion unless it is presented in writing and all members have copies.

#### FISCAL IMPACT

Include an estimate of the cost to take the action requested. State whether this amount has been included in the budget for the year in which the expense will be incurred. If the expense will be incurred in a future year, request that the amount be included in that year's budget. If there will be no fiscal impact, this should be stated.

### **STAFF IMPACT**

Include an estimate as to the effect on ASHRAE staff in terms of work hours.

\*\*\*\*

Motions will be formatted based on *Robert's Rules of Order, Newly Revised*. The Society Parliamentarian is responsible for determining the specific version for use. This requirement is included in the Rules of the Board, Section 2.101.002. A link to the Rules of the Board can be found here:

https://www.ashrae.org/file%20library/about/governance/rules of the board volumes 1.4. july 2020.pdf

Attachment B Example Motion (used for a motion made during a meeting)

**Commented [KJ23]:** Delete - we use a different system now per the BoD

#### M: MENTORING PROGRAM

The Rules of the Board Section 2.105.002.4 describes the requirements for mentoring programs. A link to the Rules of the Board can be found here: https://www.ashrae.org/file%20library/about/governance/rules of the board volumes 1.4 july 2020.pdf, on ASHRAE's website, here: https://www.ashrae.org/about/governance

The Government Affairs Mentoring Program is a unique opportunity to create positive mentor/mentee relationships within the Government Affairs Committee. Members can build relationships that last well beyond their term on the GAC; learn best-practices and insights from peers to be more effective in GAC roles; share their experiences; and develop ideas for increasing overall GAC impact.

- The GAC Chair will match Mentors and Mentees prior to the beginning of the next Society Year
- Typically, the pairs will have similar GAC roles (RVCs matched with RVCs, Members-at-large matched with Members-at-large)
- Program will run for the entire Society Year (July-June)
- Mentors/Mentees should meet for at least one hour per month at minimum

#### Mentor Roles and Responsibilities:

- Support the mentee's potential by assisting and advising to support the mentee's ability to thrive in GAC roles:
  - Establish and maintain trust with mentees
  - Listen and assist in understanding their needs
  - o Ensure that both have enough time to foster this relationship
  - Create a personal approach based on mentee's needs

### Mentee Roles and Responsibilities:

- Maintain the relationship by managing logistics, setting up meetings, and following through with agreed upon next steps.
- Come prepared to each session with a general agenda/discussion topics.
- Identify needs and goals, carefully consider mentor's feedback taking appropriate action.
- Be coachable and ask for clarification when needed.

During the final meeting of the Fiscal Year, the Board of Directors/Board of Governors, Council or Committee Chair shall appoint an incumbent to be the mentor for an incoming member. A mentor should be appointed for each new member. The mentor will be responsible for the following tasks:

- \*Before the next meeting of the Board of Directors/Board of Governors, council or committee meeting, the mentor should contact the new member by telephone, letter, fax or email to introduce himself/herself and explain the new relationship and its purpose.
- The mentor should make every effort to update the new memberon:
- 1. Board of Directors/Board of Governors, council, committee or chapter functions, focus and objectives.
- 2. Review the Rules of the Board (ROB) and Manual of Procedures (MOP) with the new member.
- 3. Discuss the typical meeting format and member duties and responsibilities.

The mentor should plan to meet the new member before the respective meeting is scheduled to start and introduce him/her to the chair and early arriving members. The mentor should also introduce the new member with pertinent

**Commented [KJ24]:** Link 404s. Find and replace with link to the webpage where the ROB is hosted.

Commented [MOU25]: Next could be confusing. Presumably it's the year during which they will be chair, which is sort of implied. I'd delete next or say "beginning of their SY", which also is kind of weird.

**Commented [MOU26]:** Seems excessive to me. 1 h per quarter more realistic. But it says should so doesn't really matter.

**Commented [MOU27]:** Not sure what that means? Maybe say "Be receptive and open to mentor's suggestions...."

Commented [KJ28]: Emily to review for accuracy.

34

### data such as:

- 1. Member's field of expertise and employer.
- 2. Chapter and city of the new member.
- 3. Former chapter, region and Society positions previously held by the new member.

The new member will be sent a copy of the group Rules of the Board (ROB), Manual of Procedures (MOP) and a copy of the most recent meeting minutes to acquaint him/her with the function and focus of the group. The new member should be encouraged to develop a rapport with other members to effectively work with fellow members to maximize productivity.

The chair of the Board of Directors/Board of Governors, council, committee or chapter shall have the following responsibilities:

- 1. Assign a mentor to each incoming new member of the group prior to the first meeting.
- 2. Assure that the time allotted at the beginning of the first meeting is sufficient for proper introduction of the new member by the assigned mentor.
- 3. Assess at a later meeting the effectiveness of the mentor/new memberrelationship.
- 4. Provide any assistance to enhance the mentor/new memberrelationship.

Completion date: The relationship terminates at the end of the new member's first year in the group.

#### Process of Measurement at the Society and Regional Level:

Measurement	Actual %	Tool	Responsible Party
1. Each Board of Directors/Board of Governors, council, committee will include the mentoring program in their Manual of Procedures (MOP).		MOP	Committees/Council
The committee Management by Objectives (MBO) should include an objective formentoring which will be reported to the councilat each meeting.		MBO	Committees/Council
3. The mentoring program will be monitored to determine its effectiveness through the MBO process.		MBO	Council
4. The councils at each Annual Meeting will include in their report to the Board of Directors the status of that Council's mentoring program.		BOD Report	Council

#### Process of Measurement at the Chapter Level:

Focus and measurement will be accomplished using the Presidential Award of Excellence (PAOE) program. Points will be awarded based on a chapter submitting an effective plan to accomplish mentoring of new members. Short term results will be measured by PAOE compliance. Long term measurement would be completed by retention % reduction for new members—who have belonged to the Society for less than two years.

Measurement	Actual	<del>Tool</del>	Responsible Party
1. Percent of chapters having a mentoring		PAOE	Membership
program in place as reported by PAOE		Report	Promotion-
			Committee
2. Retention decrease of new members		Membership	Membership
		Report	Promotion-
			Committee

#### N: TIPS FOR GAC MEMBERS FOR MAKING A CHAPTER VISIT

#### **BEFORE YOU GO:**

- Notify the Chapter President and Government Affairs Committee Chair (if you're an RVC) that you are planning a trip to visit their Chapter.
- If you're an RVC, make sure the Chapter Committee Chairs and their Committee members will be at the meeting.
- Arrange with the Chapter President and Committee Chair for time to speak during the Chapter meeting.
- Arrange to attend BOG meeting find out date/time ask them for a "special" meeting if they
  don't typically meet the same day as the Chapter meeting.
- Ask to make other local visits school, employer, etc. or offer to conduct a workshop
- Confirm date, get there early, confirm hotel transportation, and provide them with a summary of
  what you want to see/do and any audio-visual needs. Give them information on your
  presentation (if speaker). Send bio for their newsletter.
- Ask where they need help.
- Prepare some information regarding ASHRAE Society news to share.
- Review their Newsletter/website, prior to your visit.

#### **DURING YOUR VISIT:**

- Attend BOG meeting actively participate, rather than observe. Some people even run the meeting or send them questions before their visit to reply to.
  - o Remind them to update their ASHRAE bios.
  - Say something different from main meeting talk, but it's ok to reinforce some issues.
     Focus more on how to help them keep their Chapter viable.
- Meet with your Government Affairs Committee and its Chair, separately.
  - o Catch up on training
  - o Refresh
  - o Help w/questions
  - Training their replacement help ID or meet them
  - o Review plan/MBO's
- Make local visits school, employer, facilities, govt. office, media, church, etc.
- Check their ASHRAE literature stash and advise on sources for updating brochures.
- Speak for at least 10 minutes. You are giving up valuable personal time, ASHRAE paid for
  you to travel all that way, and the Chapter is paying for your hotel. Give them at least 10 good
  minutes of presentation with a high level of value. Prepare, practice, and deliver a high-quality
  talk
- Perform your "function" at their Chapter meeting (raise some \$ for RP if you're the RP RVC, sign up a member if you're MP RVC, etc.)

- Give training seminar or workshop if you have a skill area to share.
- Invite guests to join ASHRAE.
- Invite people to make an ASHRAE Research donation.
- Meet lots of people. Model to the Chapter members how to work a room, introducing people to each other, making everyone feel welcome and engaged.
  - Read "How to work a room".
- Invite people to attend the CRC (do this at the BOG and at the Main Meeting)
  - o Ask who is going
  - o Explain why you should go
  - o Explain what it is, if needed.
- Try to help them understand what the Region is-how its glue between Society and Chapter.

#### AFTER YOU GO:

- Follow up on your promises to them/to do list within 2weeks.
- Follow up report sent to DRC within 2 weeks, who will share with the rest of the regional executive group. Include the following in your report:
  - o Any logistical warnings
  - o Upcoming issues/events to be aware of
  - What you did/saw
  - o Your perception of the condition of the Chapter
  - o update of the Star search list
  - $\circ$  List who you were told is going to CRC
  - o Any special successes/challenges.
- Send thank-you for hosting to Chapter President and Government Affairs Committee Chair.
  - o Recognize any special assistance provided to you (airport pick-up, taken fishing, etc.)
  - o Should be a US Postal note, not just an e-mail or phone call. Within 2 weeks.

**Commented [MOU29]:** Hmmmm... will ASHRAE cover the stamps?;)

O: PAOE INTERPRE	TATIONGUIDELINES
and the Society. This will allow for better compari	interpretation throughout Chapters within all Regio ison between Chapters and between Regions. interpretation of some item(s) leading to an excessiv
PAOE 20XX-20XY	
PLANNING AND ADMINISTRATIVE ACTIVE	TIES
AWARDS AND SUBMISSION ACTIVITIES	

Formatted: Heading 1, Indent: Left: 0.88", Space Before: 3 pt, Tab stops: 2.83", Left + 7.92", Left

**MEETINGS, PRESENTATIONS OR EVENTS** 

	1
	<u> </u>
-	
·	
	l
	I
	l .

#### P: CHANGES TO THE RULES OF THE BOARD OR MOP

Proposed changes to the Rules of the Board, or to any Society-wide policy or procedure, must follow the process outlined in the Rules of the Board Section 10.3.3. A link to the Rules of the Board can be found here: <a href="https://www.ashrae.org/file%20library/about/governance/rules of the board\_volumes 1 4\_july\_2020\_pdf">https://www.ashrae.org/file%20library/about/governance/rules of the board\_volumes 1 4\_july\_2020\_pdf</a> on ASHRAE's website, here: <a href="https://www.ashrae.org/about/governance">https://www.ashrae.org/about/governance</a>

Proposed changes including additions and deletions to MOPs should follow the same procedure as that for ROBs (see above), except that changes to a committee's MOP must be approved by the committee and by the body to which the committee reports (e.g., a council). No further approvals are required.

**Commented [KJ30]:** Link 404s, find webpage to link to that is up to date

#### Q: CHAPTERS REGIONAL CONFERENCE (CRC)

The term "Chapters Regional Conference" (CRC) defines a meeting of all the chapters in the region. The Chapters Regional Conference Committee conducts the orientation session, caucus, executive session and business meetings. The conference also includes workshops, technical sessions, technical tours, and addresses by Society officers, regional award presentations and offers opportunities for regional fellowship. A Chapters Regional Conference (CRC) will extend for the amount of time, determined necessary by the Director and Regional Chair(DRC) to conduct the business of the region.

- A) Scope To provide a forum for the dissemination of information pertaining to chapter and regional activities.
- B) Purpose- To provide a medium for:
  - Chapters to report their activities for the previous year and establish goals for the coming year.
  - (2) Regional officers to report their activities and plans.
  - (3) Society officers to inform the region of Society plans, review chapter activities within the region and participate in workshops.
  - (4) Chapter delegates to submit motions for consideration by the region for proper review and action as it relates to Society activities.
  - (5) Chapter delegates to present nominees for Society and regional offices and candidates for honors and awards.
  - (6) Conducting chapter workshops that will educate and prepare officers and committee members to fulfill their responsibilities.
  - (7) Conducting technical sessions on subjects that will educate as well as increase attendance.
  - (8) Organizing social activities that will increase attendance and promote comradeship.
  - (9) Recognizing and presenting awards to chapter and regional members.

Attendance at meetings of the Chapters Regional Conference (CRC) is expected of all chapter delegates, alternates, regional vice chairs, regional historian and chapter committee chairs for Membership Promotion, Student Activities, Research Promotion, Government Affairs and Historical Committees and regional member and alternate to the Nominating Committee. In addition, any Society member residing in the region is encouraged to attend these meetings. The attendance of chapter officers and committee chairs, although not mandatory, is strongly encouraged.

Commented [MOU31]: In person?

#### R: STYLE AND FORMAT FOR OFFICIAL ASHRAE LETTERS AND EMAILS

#### R: GAC/TECHNOLOGY COUNCIL REGULATORY REVIEW PROCESS

When sending emails and letters on behalf of the Society, RVCs should be sure that their signature line clearly communicates that they are representing the Society in their capacity as an RVC. Per ASHRAE's standard operating procedure of being agnostic to non-ASHRAE business outcomes, care should be taken to exclude corporate promotion from signature lines. Such promotion is often included in 'automatic signatures' (e.g., upcoming corporate events and conferences).

For examples of official ASHRAE letters to government officials that show the style and format that is desired, please review past examples which can be found here:

https://www.ashrae.org/about/government-affairs/policy-positions-and-issues#letters

All letters written on behalf of the Society should be written in coordination and approved by Government Affairs staff.

The Government Affairs Committee (GAC) employs a streamlined process to review proposed legislation/regulations that concern ASHRAE standards, guidelines or other products, or key issues of interest to ASHRAE. This process:

- Reviews all actions that require a customized technical response (such as items 3 and 4 on the lists below);
- Determines if an official ASHRAE response is needed or desired;
- Identifies who should provide the necessary response information (e.g.; SPCC, TC, etc.); and
- Recommends to whom the action is sent.

There are at least three kinds of referencing of ASHRAE documents that should be distinguished from each other:

- When the legislation/regulation proposes to adopt a standard or guideline by reference
- When the legislation/regulation is referencing some other ASHRAE document as a resource
- When the legislation/regulation concerns something of interest to ASHRAE butdoesn't necessarily reference an ASHRAE document

A flow chart has been created to help with the proper flow of information (See Chart Below, page 55). As part of that process, legislation/regulations are generally evaluated can using the following methods:

1. Does the legislation/regulation propose to adopt by reference the latest edition of an ASHRAE standard, guideline, handbook or other approved publication? If yes, then there is no need to

**Commented [KJ32]:** Peter: information about appropriate email sigs may be helpful Meghan: direction to find templates/examples on the GA

**Commented [KJ33R32]:** Hit on the SOP re: agnostic to business outcome

consult TC (tech council) other than report this information to Technology Department staff. A response from ASHRAE should be a letter of support based on their adoption of the subject-document (See Appendix 1: Template Letters).

- 2. Does the legislation/regulation propose to adopt by reference OTHER THAN the latest edition? No need to consult TC. Response from ASHRAE should be letter of support in principle and request they adopt the latest edition of the document. Government Affairs staff should identify IF it is known if this is NOT an oversight but a deliberate 'backslide' to an earlier edition. If yes, then the cognizant committee for the document could be contacted to get information to bolster the value of the later edition.
- 3. Does the legislation/regulation adopt by reference only A PORTION of the ASHRAE document-and/or amend parts of the ASHRAE document? Government Affairs staff identifies the parts that are not adopted or are amended. Same as 2 above reinforcing the process we follow so it does not need to be amended and inviting participation in our process. Appropriate TC's or othercommittee should be consulted for additional input concerning why the amendments to and/or unadopted parts

- of the document are critical and how their legislation/regulation is deficient compared to the entire document unamended. A template letter may not be possible for this dependent upon review of legislation/regulation.
- 4. Does the legislation/regulation adopt all or part of an ASHRAE document into a 'home grown' legislation/regulation vehicle and/or deal with a topic of interest to ASHRAE and on which we likely have a standard, guideline, handbook chapter, etc.? Same as 3.
- Does the legislation/regulation provide for some action on a topic of interest to ASHRAE that is
  considered high priority and to which ASHRAE has critical expertise. Appropriate TCs or other
  committee(s) should be consulted for input and comments on the legislation.
- 6. Letters shall be signed by the President of the Society or the President's Designee.

If the action references a standard or guideline, GAC should follow options 1-4 above, depending upon the answer to each question. Turnaround on these postings can be as little as 30 days, so the review and approval process for this work will need to be streamlined as compared to the work done by the Codes-Interaction Subcommittee (CIS) under Standards Committee (which reviews code actions as they relate to ASHRAE standards).

However, if the reference is to an ASHRAE document or product (e.g.: ASHRAE Handbook, AEDGs, Green Guide, Building EQ program) that is not a standard or guideline, these are not written in code—intended language. The legislation/regulation should be examined to determine if it is intended for some specific item such as a calculation, data, etc., and appropriate action taken.

When an official ASHRAE response is seen as necessary, staff will compile the response information (from GAC and/or other ASHRAE committees or individuals) into a unified response to be reviewed by the GAC Chair or designee. The entire process is set up to be completed in less than 30 days.

Even if an official ASHRAE response for any of these options is seen as not necessary, it may be appropriate for the action to be sent to appropriate committees or individuals within ASHRAE for their information and/or for an individual response on their own. Alternatively, it may not be possible to develop response in the available timeframe either with an existing template letter or with a custom-response. In this case, ASHRAE may have to pass on the opportunity to respond.

The Administrative Assistant to the Director of Standards and Technology is the conduit used to send the information out to the identified ASHRAE committees or individuals. Specific language will be used in the emails to specify whether responses are being collected for an official ASHRAE response or if the information is being provided in case the ASHRAE members wished to make their own individual responses (See Appendix 2: Email Format). Appropriate Technology staff may be used to help in the process as needed—primarily with identifying whether a response was called for and which ASHRAE committees and/or members information should be sent to.

#### APPENDIX 1: TEMPLATE LETTERS

The GAC Advocacy Toolkit contains information, templates, and guidance for members participating in government outreach. The Advocacy Toolkit can be found at this link:

<a href="https://www.ashrae.org/about/government-affairs/member-resources-advocacy-toolkit">https://www.ashrae.org/about/government-affairs/member-resources-advocacy-toolkit</a>. (A member login will be needed to access.) Contact your RVC or ASHRAE staff to discuss further.

- ASHRAE document referenced is the correct version—the template thanks them for referencing the
   ASHRAE document and voice support for that action. This is usually going to be a request for
   information (RFI) or notice of proposed rulemaking (NOPR).
- 2. ASHRAE document referenced has been replaced by a later version—the template would thank them for referencing the ASHRAE document, point out that there is a more recent version of the document available and voice support for that action. This is usually going to be a request for information (RFI) or notice of proposed rulemaking (NOPR).

Template letters can also serve as a starting point for options 3 and 4 above. These scenarios likely require more customization based on the specific action proposed. A TC may need to be contacted for guidance in customizing the response.

- 3. ASHRAE standard or guideline is referenced for adoption (this would not really apply to referral as a resource) in part only—template would likely require more customization by case but would thank them for referencing the ASHRAE standard or guideline and then argue that the entire-standard or guideline should be adopted by reference rather than just a portion.
- 4. The action deals with a subject that is of interest to ASHRAE (and/or ASHRAE members) and for which ASHRAE members have expertise that could inform the action and for which ASHRAE may or may not have existing documents that can be referenced.

The drafts below are one page documents and are samples. There is often a word limit, so the template-should be short enough to be useable in all instances. A paragraph can be developed and included where appropriate to incorporate information on who/what ASHRAE is, ASHRAE's role as a standards-development organization and on the consensus process used. A possible starting point would be the final-paragraph used in all ASHRAE press releases. (See Additional ASHRAE Info below)

Commented [KJ34]: This section will be reviewed and replaced at a later date - we do not have the capacity to do this now per AY.

#### Letter Template #1: ASHRAE document referred to is the correct version-

Dear Title and Name of Government Official;

Thank you for the opportunity to provide input on (proposed action). ASHRAE supports the reference to (ASHRAE document) in the (proposed action).

(Insert additional ASHRAE information here as appropriate see below)

ASHRAE would be happy to provide a complimentary PDF copy of the (ASHRAE document) to you.

Please contact GovAffairs@ashrae.org to request the information above.

Thank you for your consideration of these modifications to the guidance document.

## Letter Template #2 (version 1): ASHRAE document referred to has been replaced by a later version - Option 1 (where only the document reference needs updated to a newer version)

Dear Title and Name of Government Official;

Thank you for the opportunity to provide input on (proposed action). ASHRAE is pleased that (proposed action) references (ASHRAE document). However, the version of (ASHRAE document) being referenced is from (year) and this version has been superseded by an edition published in (year). The latest version of (ASHRAE document) is from (year) and is titled: (Full name of ASHRAE document).

The differences between the old and new versions of (ASHRAE document) are fairly significant. For example, (note differences if applicable).

(ASHRAE document) is referenced in the following places in the document:

- **■** Page (XX),(description)
- **-** Page (XX),(description)

ASHRAE strongly suggests that these references be updated to refer specifically to (Full name of ASHRAE document). ASHRAE would be happy to provide a complimentary PDF copy of the (ASHRAE document) to you. Please contact GovAffairs@ashrae.org to request that information.

Thank you for your consideration of these modifications to the (proposed action).

### Letter Template #2 (version 2): ASHRAE document referred to has been replaced by a later version

 Option 2 (where specific page numbers or table references need updated as well as the document reference)

#### Dear Sir/Madam;

Thank you for the opportunity to provide input on (proposed action). ASHRAE is pleased that (proposed action) references (ASHRAE document). However, the version of (ASHRAE document) being referenced is from (year) and this version has been superseded by an edition published in (year). The latest version of (ASHRAE document) is from (year) and is titled: (Full name of ASHRAE document).

In (document citation, (ASHRAE document) is referenced as follows.

(Insert specific reference text here.)

A newer version of (ASHRAE document) is now available. ASHRAE respectfully suggests updating the references as follows:

(Insert specific reference text here.)

There are also a number of "generic" references to the (ASHRAE document). ASHRAE would suggest that all of these references also be updated to reference (ASHRAE document). ASHRAE would be happy to provide a complimentary PDF copy of the (ASHRAE document) to you. Please contact GovAffairs@ashrae.org to request that information.

Thank you for your consideration of these modifications to the (proposed action).

- Formatted: Right: 0.31", Space Before: 0 pt
- Formatted: Normal, Indent: Left: 0.8", Right: 0.31",
  - Space Before: 0 pt
- Formatted: Indent: Left: 0.8", Right: 0.31"
  - Formatted: Normal, Indent: Left: 0.8", Right: 0.31", Space Before: 0 pt
  - Formatted: Normal, Indent: Left: 0.8", Right: 0.31", Line spacing: single
- Formatted: Normal, Indent: Left: 0.8", Right: 0.31",
- Space Before: 0 pt
  - Formatted: Indent: Left: 0.8", Right: 0.31"

**Formatted:** Normal, Indent: Left: 0.8", Right: 0.31", Space Before: 0 pt

- Formatted: Normal, Right: 0.31"
- Formatted: Normal, Indent: Left: 0.8", Right: 0.31", Space Before: 0 pt

Formatted: Right: 0.31", Space Before: 0 pt

#### APPENDIX 2: EMAILFORMAT

The subject line of the email to follow this format: "Type of action by Issuing Body on Subject"

Terms: Where the type of action would be one of the following:

- Final Rule
- RFI (request for information)
- NOPR (notice of proposed rulemaking)
- Intent for NOPR
- Support Request (request for ASHRAE support on some action)
- Notice (catchall for anything that doesn't fit into theabove)
- Action (catchall for anything that doesn't fit into theabove)

The name of the Issuing Body: DOE, EPA, NIST, GSA, etc.

The subject: "Test Procedures Air-cooled CUACs & CUHPs"

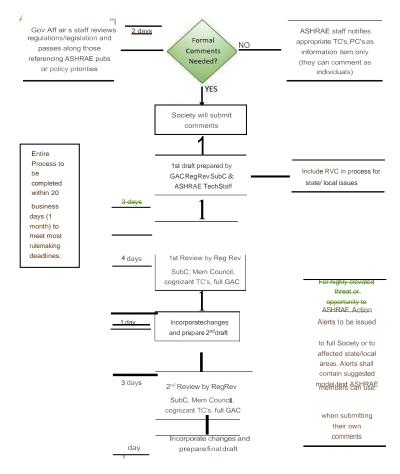
The body of the email to follow this format:

- Type of Action: Final Rule, RFI, NOPR, Intent for NOPR, Support Request, Notice, or Action
- Issuing Body: specific state or federal agency (DOE, EPA, NIST, GSA, etc.)
- Subject: The description of the item from the published action. It might be one ortwo sentences, or it might be a whole paragraph.
- Impact on ASHRAE: brief description of why this might be important to ASHRAE including what documents are mentioned.
- Specific section to note: How the ASHRAE document is mentioned (adoption by reference, resource reference, etc.) as well as the page numbers of those mentions for each document listed.
- Link to Full Description: this would provide the link to the full detailed information for the item.

**Commented [KJ35]:** We do not have the capacity to review and edit at this time, per AY.

Commented [KJ36]: All letter templates and section R regarding letter templates is outdated. End users do not need instructions on how to write an email spelled out for them, there is a wealth of standard ashrae emails on our website, and if an RVC is ever in doubt they can/should just ask govt affairs.

#### Government Affairs Committee (GAC) & Technology Council Regulatory Review Process



Commented [KJ37]: Delete this image

Formatted: Centered

#### S: GOVERNMENT OUTREACH EVENTREPORTINGFORM

A Government Outreach Reporting Form should be submitted for every event or meeting ASHRAE members hold with government officials. Contact your RVC or Government Affairs staff for questions or assistance with the form. The Reporting Form is in the Advocacy Toolkit on the ASHRAE website (a member login will be needed for access). A link to the Reporting Form can be found here: <a href="https://www.ashrae.org/about/government-affairs/grassroots-advocacy/accomplishments#plan">https://www.ashrae.org/about/government-affairs/grassroots-advocacy/accomplishments#plan</a>. A document defining which events qualify as Government Outreach Events can also be found on this page.

#### T. FINANCIAL ASSISTANCE FOR INTERNATIONAL OUTREACHEVENTS

In past years, funding has been made available to each RVC with chapters outside the U.S. for reimbursing eligible transportation expenses for members of their region participating in Government Outreach Event activities. If ASHRAE Society includes this funding in the Society Budget, the following procedure should be used by RVCs in order to access these funds:

- A budget shall be developed by the RVC detailing the use and purpose of expenditures(see Attachment C for an example budget).
- 2. Eligible expenditures shall only include transportation expenses.
- 3. The RVC's budget must be approved in writing by that RVC's Director and Regional Chair (DRC), and written approval from the DRC shall be submitted to the Finance Committee through the GAC staff liaison.
- 4. The budget plan must be completed within the first quarter of the Society Year and submitted to the GAC Staff Liaison, along with the written approval from the relevant DRC, no later than November 30 of the Society Year. It is recommended that the budget plans be completed within the first quarter of the Society Year and submitted to the GAC Staff Liaison, along with written approval from the relevant DRC. Having a finalized budget plan by November 30th of the Society Year is recommended.

Formatted: Superscript

#### **U. ATTACHMENTS**

#### Attachment A

#### Instructions to Enter the Chapter Information Questionnaire (CIQ):

- 1. From the ASHRAE Homepage, login using your email address and password.
- 2. Click on the Communities blue tab
- 3. Click on the Chapters link on the drop-down menu
- 4. On the Chapters page, select Chapter Reports, PAOE and CIQ
- 5. In the left column, click on the Regional tab; the list of all Chapters in the Region will comeup.
- 6. Click on the link of the chapter's name
- 7. The Members list will come up
- 8. There will be buttons above the Members list to:



- 9. To run the CIQ reports, click on the Chapter Reports icon at the top of thepage
- 10. Click on the report you wish to run:
  - a. Chapter Officer Roster: this report lists the chapter positions for the current Society Year
  - b. **Chapter Information Questionnaire:** when chapter positions are entered prior to the next society year, this report will list those positions for the future Society Year

#### Attachment B

# MOTION GOVERNMENT AFFAIRS COMMITTEE

	AFFAIRS COMMITTEE	
MOVED BY:		
SECONDED BY:		
MOTION:		
		-
BACKGROUND <u>:</u>		
FISCAL <mark>IMPACT</mark> :		
INFACI.		
STAFF IMPACT:		
Vote count: For	Against	Abstaining
Chair voting?	Yes No	
Motion passed ☐		
Motion failed		
Motion referred to:		

#### Attachment C

Example Form – Government Outreach Event Plan

(Note this is an example only; the form and information and reimbursement plan may vary depending on Regional Needs, and Requirements of the DRC.)

Chapter Name	Type of Outreach Event	Lead Organizer (if known)	Expected Number of ASHRAE Participants	Expected Number of Meetings	Average Travel Distance (km. est.)	Expected Average Travel Cost Per Member (USD)	Total Costs (Estimate)	Costs to be Reimbursed
Chapter A	Federal Elected Official	Joe Cool	2	2	50	\$50.00	\$100.00	\$15.69
Chapter B	Multiple meetings – Government Legislative Body	Suzy Linn	15	9	1400	\$600.00	\$9,000.00	\$1,411.76
Chapter C	Federal Elected Official	Charlie Brown	3	1	350	\$400.00	\$1,200.00	\$188.24
Chapter D	Local Meeting	Lindsay Lou	5	1	22	\$50.00	\$250.00	\$39.22
Chapter E	Federal Elected Official	Jane Doe	4	3	590	\$300.00	\$1,200.00	\$188.24
Chapter F	Code Hearing	John Doe	5	1	370	\$200.00	\$1,000.00	\$156.86
TOTAL REGIONAL COST:							\$12,750.00	\$2,000.00*

<sup>\*</sup>Note that this amount MUST total \$2,000.00 USD

Motion (Annual Revisions to Existing Public Policy Issue Briefs): That the Government Affairs Committee approve the attached revisions to existing Public Policy Issue Briefs (PPIBs).

**BACKGROUND:** The PPSC is responsible for annually reviewing existing PPIBs along with recommending if any new PPIBs should be created or eliminated, and updating those PPIBs recommended to remain to ensure they are timely, accurate, and effective communication tools for government outreach. The PPSC recommends keeping all of the existing PPIBs and updating them.

On January 8, 2025, a majority of the PPSC voted by letter ballot to approve changes to the Building Electrification PPIB. There was no opposition, and one abstention. On February 6, a majority of the PPSC voted by letter ballot to approve changes to the remaining 11 PPIBs. There were no abstentions or opposition. Drafts of the 12 PPIBs, including the revisions for SY24-25, are attached.

FISCAL IMPACT: NONE.

**STAFF IMPACT:** Minimal – only final edits and production will be needed, as staff time on revisions has already been expended.



#### BUILDING ELECTRIFICATION

#### THE ISSUE

Building electrification is often viewed as an essential strategy for <u>building decarbonization</u>, 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 heating contributes to decarbonization when: (1) the source of electricity comes from low¹¹ or zero- carbon energy sources such as solar, wind, tidal/wave, hydro, waste to energy, green hydrogen and nuclear; or (2) when the efficiency of the new electric equipment results in overall whole life GHG emissions reductions compared to on-site combustion. Therefore, action is needed by both the buildings and the electric grid sectors. Utilities must achieve there are pursuing grid decarbonization goals by transitioning to low- or zero-carbon generation. Some regional grids have already decarbonized significantly, putting building electrification on a "fast track" toward total building decarbonization.

At a higher level, the benefits of electrification can go beyond decarbonization. It may provide additional outcomes, including 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, emphasizing the need for 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. Building electrification can present also increase embodied carbon, capital and operating costs, stranded assets fossil fuel equipment, and present retrofit challenges without careful planning and implementation.; it also provides an opportunity to improve air quality, especially in densely populated areas, by reducing particulate pollution and ground-level ozone from fossil fuel combustion. Many innovative highly energy efficient buildings with all-electric systems are already being designed, built and occupied retrofitted. Existing buildings' ability to electrify cost-effectively will accelerate with Further technological improvements and local and national policy incentives will further accelerate building electrification, improve system performance, and reduce installation and operating costs.

#### **ASHRAE's ROLE**

ASHRAE stands at the forefront in <u>supplying</u> <u>developing</u> standards, guidance, and education for the design, manufacturing, installation, and operation of building systems <u>and equipment</u>. These resources can also provide governments with a technical foundation for beneficial

<sup>&</sup>lt;sup>1</sup> IEA (2021), The Role of Low-Carbon Fuels in the Clean Energy Transitions of the Power Sector, IEA, Paris. https://www.iea.org/reports/the-role- of-low-carbon-fuels-in-the-clean-energy-transitions-of-the-power-sector

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 Standard for Buildings Except Low-Rise Residential Buildings
- Standard 90.2, Energy-Efficient Design of Low-Rise 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
- 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

Additional technical resource guides have been developed by ASHRAE's Task Force for Building Decarbonization – See 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

Multiple additional technical resource guides being developed by ASHRAE's Task Force for Building Decarbonization – See www.ashrae.org/decarb

#### **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 have the potential to <u>can</u> reduce greenhouse gas (GHG) emissions from buildings using <u>zero-carbon or</u> low-carbon <u>intensity</u> <u>emissions</u> electricity.
- 2. Hybrid (partial) electrification retrofits can be beneficial where <u>climate and/or</u> 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, t. 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 shift towards high-efficiency all-electric appliances, combined with an increasingly clean grid, has the potential to improve indoor and outdoor air quality <u>and lower GHG emissions.</u>
- 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. Future While future HVAC equipment will utilize much lower global warming potential (GWP) refrigerants. While existing equipment may still use high GWP refrigerants,

  ASHRAE Government Affairs Office 1255 23rd Street NW, Suite 825, Washington, DC 20037

Tel: 202.833.1830 | GovAffairs@ashrae.org

- supporting and 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 lowor nozero-carbon electricity and optimize the use of on-site energy storage, allowing for dynamic operation to align with real-time renewable energy availability, peak demand and manage load. Two-way communication between the electrical grid and the building can reduce utility costs, decrease emissions, inform occupant behavior, and improvesystem reliability.
- 8. Heat pumps have Current heat pump technology has become more energy efficient and capable of generating, can generate much higher supply temperatures across wider-ranges a broader range of outdoor ambient temperatures. , improving These advancements have improved their compatibility with existing heating distribution systems and improving their 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, supply and install, operate and maintain building systems.
- 10. <u>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.</u>



#### **BUILDING DECARBONIZATION**

#### THE ISSUE

Buildings provide many benefits to benefit society but have a significant worldwide environmental impact due to their greenhouse gas emissions (GHGs). The building industry accounts for roughly 40 percent of global GHGs and the global building stock is expected to double by 2060 due to urbanization, population growth, and related economic trends. The standard metric used to quantify GHGs is carbon dioxide equivalent (CO2-eq CO2e). Using a common metric helps to evaluate different sources of GHGs in terms of their potential to impact the atmosphere -- also referred to as their global warming potential. As governmental bodies and jurisdictions across the planet confront climate change, the term "decarbonization" is used to describes practices or policies that reduce GHG emissions. Building decarbonization encompasses a building's entire life cycle, including building design, construction, operation, occupancy, and end of life.

Many governmental bodies and jurisdictions are requiring new buildings to be low carbon or net-zero energy in the near-term <u>near term</u> and other policies are requiring retrofits of existing building stock to decarbonize in the medium to long term. Some decarbonization policies also advance building electrification when coupled with a renewable electricity source or other low-carbon technologies. Decarbonization efforts will require large public and private sector investments, leading to job creation and business opportunities in the HVAC&R, construction materials, and design sectors.

#### ASHRAE's ROLE

ASHRAE stands at the forefront in providing standards, guidance, technical resources, and education for the <u>building system</u> design, manufacturing, installation, and operation <u>of building systems</u>. With respect to building decarbonization, ASHRAE's historical focus has been on energy efficiency, which has resulted in significant GHG emission reductions. ASHRAE is expanding its technical resources, education and training and other initiatives so that they <u>to</u> address building decarbonization. ASHRAE's Center of Excellence for Building Decarbonization is advancing numerous resources that can be found at <u>www.ashrae.org/decarb</u>

ASHRAE's consensus-based standards that address building decarbonization include:<sup>1</sup>

- Standard 90.1-2022, Energy Standard for Buildings Except Low-Rise Residential Buildings
- Standard 100-2024, Energy Efficiency in and Emissions Building Performance for Existing Buildings
- Standard 105-2021, Standard Methods for Determining, Expressing and Comparing Building Energy Performance and Greenhouse Gas Emissions
- Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings

<sup>&</sup>lt;sup>1</sup> The most up-to-date list can be found at: https://www.ashrae.org/about/tfbd-technical-resources

Except Low-Rise Residential Buildings

- Standard 228-2023, 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 for full building lifecycle analysis
- Proposed Standard 242P, Standard Method for Calculation of Building Operational Greenhouse Gas Emissions

#### **ASHRAE's VIEW**

ASHRAE's position is that eliminating GHG emissions from the built environment is essential to addressing climate change. To do this, it is ASHRAE's position that:

- Decarbonization of <u>Decarbonizing</u> buildings and their systems must be based on a holistic analysis including healthy, safe, and comfortable environments; energy efficiency; environmental impacts; sustainability; operational security; and economics.
- By 2030, the global built environment must at least halve its 2015 GHG emissions, whereby:
  - all new buildings are net-zero GHG emissions in operation;
  - o widespread energy efficiency retrofit of existing assets are is well underway, and
  - o embodied carbon of new construction is reduced by at least 40 percent.
- By 2050, at the latest, all new and existing assets must be net zero GHG emissions across the whole building life cycle.
- Building decarbonization provides benefits beyond reducing GHGs, including reduced improved indoor and outdoor air pollution quality, improved energy savings, improved community health and wellbeing, enhanced social responsibility, and increased property valuation.
- Operational energy-related GHG emissions can be reduced by implementing efficiency measures and building electrification; improving O&M; using low-GWP refrigerants and minimizing refrigerant volume while maintaining energy efficiency; improving refrigerant management; safe disposal of refrigerants; and increasing use of renewable energy sources both on site and off site, energy storage, and building-grid integration.
- Building design and operations should be able to respond to real-time signals from the power grid to reduce GHG emissions.
- Increasing adoption of current energy codes and their effective implementation are critical for decarbonization.
- Whole-building life-cycle assessment must be considered in future building codes to reduce embodied and operational GHG emissions related to buildings and their HVAC&R systems.
- To improve energy efficiency and reduce emissions in existing buildings, building
  performance standards (BPS) should be considered as a policy tool. Building
  performance standards (BPS) should be considered as a policy tool to improve energy
  efficiency and reduce emissions in existing buildings.
- Decarbonization policies should consider and mitigate impacts such as increased costs

on disadvantaged communities and less-developed nations.

- Development of community energy systems, district heating and cooling, and other collaborative approaches contribute to lower carbon emissions across entire neighborhoods or districts through integrated urban planning such as smart and sustainable cities.
- Collaboration with global organizations, governments, and industry bodies to harmonize standards and policies drive decarbonization across the building sector.
- Training, certification, resources, and tools are needed for building professionals to implement low-carbon design and operations, supporting the workforce transition to sustainable practices.
- Continue investing in research to support new decarbonization technologies and methodologies, including advancements in renewable energy systems, low-GWP refrigerants, and innovative HVAC design.

•



#### BUILDING ENERGY BENCHMARKING, ASSESSMENTS, AND PERFORMANCE TARGETS

#### THE ISSUE

Heating, ventilation, air conditioning, and refrigeration (HVAC&R) account for 61% of commercial building site energy use. While new buildings have realized improved energy performance, existing buildings represent the greatest opportunity for energy and Greenhouse Gas (GHG) emissions reductions. Improving the energy performance of existing buildings requires a robust database of building energy data. Without understanding a building's true performance, identifying effective improvements in energy efficiency is challenging. As the saying goes, "you can't manage what you don't measure."

To address this concern, building energy benchmarking has become a critical tool for quantifying and evaluating building operational energy use patterns. Benchmarking data can inform public policies that focus on the most effective ways to reduce energy use in a city or state's building stock. Benchmarking data can also be used to develop local energy and GHG emissions performance targets appropriate to local climate and building types.

Over 40 U.S. and Canadian cities have building energy benchmarking programs.<sup>2</sup> Some jurisdictions require actions beyond benchmarking, such as performing energy assessments (audits, tune-ups, or retrocommissioning) or meeting performance targets (maximum energy use or GHG emissions). Cities such as Boston, Denver, New York City, Vancouver, and Washington DC have set aggressive GHG emissions reduction goals for existing buildings that will require accurate benchmarking to determine emissions and energy savings.

#### **ASHRAE's ROLE**

ASHRAE develops standards, guidance and educational resources informed by robust data on the actual energy performance of buildings, and shares evidence-based best practices and technical information with for use by municipalities and professionals across the building sector. To achieve a carbon neutral world, ASHRAE is also leading the way in education, standards and guidance for converting energy to carbon in selected standards. ASHRAE's tools and resources include:

- Benchmarking:
  - ASHRAE Standard 105 Standard Methods of Determining, Expressing, and Comparing Building Energy Performance and Greenhouse Gas Emissions provides a method for determining and comparing building energy performance and greenhouse gas emissions.
  - ASHRAE Standard 214 Standard for Determining and Expressing Building Energy Performance in a Rating Program provides uniformity in the building

<sup>&</sup>lt;sup>1</sup> Includes water heating; 2012 Commercial Building Energy Consumption Survey: Energy Usage Summary. U.S. Energy Information Administration, 18 March 2016,

https://www.eia.gov/consumption/commercial/reports/2012/energyusage/

<sup>&</sup>lt;sup>2</sup> Comparison of U.S. Commercial Building Energy Benchmarking and Transparency Policies. Institute for Market Transformation, July 2022, https://www.imt.org/resources/comparison-of-commercial-building-benchmarking-policies/

- energy labeling and disclosure process.
- ASHRAE Standard 228P Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance is an in-progress standard that provides consistent method definitions of "zero net energy" and "zero net carbon" for both the design of new buildings and the operation of existing buildings.
- ASHRAE Standard 240P Evaluating Greenhouse Gas (GHG) and Carbon Emissions in Building Design, Construction and Operation will provide a whole life carbon approach to support emissions reductions in buildings.
- Energy Audits and Assessments:
  - ASHRAE Standard 211 Standard for Commercial Building Energy Audits
     establishes consistent practices for conducting and reporting energy audits for
     commercial buildings. Referenced by ordinances in Atlanta, GA; Boulder, CO;
     Los Angeles, CA; New York, NY; and San Francisco, CA.
  - Commercial Buildings Energy Audits Reference Manual is a reference that
    defines best practices for energy survey and analysis for purchasers and providers
    of energy audit services and serves as a reference for Standard 211.
- Building performance targets:
  - Building Performance Standards: A Technical Resource provides technical basis and resources to policymakers, building owners, facility managers, design professionals and ASHRAE members when developing and implementing a Building Performance Standard (BPS).
  - ASHRAE Standard 100 Energy Efficiency in Existing Buildings sets energy use intensity (EUI) benchmarks for existing buildings in the commercial and residential sector and establishes methods for determining opportunities for improvement in EUI leading to compliance with the standard benchmarks. Referenced by Washington State's Clean Buildings Act of 2019. Future revisions will incorporate setting GHG emissions targets.
  - ASHRAE's Building EQ<sup>3</sup> program calculates a building's energy performance in relation to other similar buildings, identifies the gap between "as designed" potential and actual performance in operation, and provides recommendations to reduce energy use. Building EQ can be used to publicly display building energy use and comply with disclosure requirements.

ASHRAE certification programs were developed exist to meet the industry needs of today and provide value to thousands of built-environment professionals, employers, and building owners. Certifications like Building Commissioning Professional (BCxP) and Building Energy Assessment Professional (BEAP) are recognized by the U.S. Department of Energy (DOE) as meeting the Better Buildings Workforce Guidelines (BBWG) and are used frequently by local jurisdictions to designate who is qualified to perform benchmarking and energy assessments.

#### ASHRAE's VIEW

Energy metrics that are widely accepted, robust, and validated are critical to achieving policy objectives. Standardized procedures for energy performance assessments ensure an appropriate level of rigor and scope of work. Within a building owner's portfolio or across a city's building stock, decision-makers need consistent language, metrics, and procedures to effectively communicate goals, evaluate potential investments, and measure success. ASHRAE remains dedicated to sharing technical resources with policymakers to support legislative and

Updated June 30, 2023

<sup>&</sup>lt;sup>3</sup> For more information, see https://www.ashrae.org/technical-resources/building-eq ASHRAE Government Affairs Office 1255 23<sup>rd</sup> Street NW, Suite 825, Washington, DC 20037 Tel: 202.833.1830 | GovAffairs@ashrae.org

regulatory solutions that improve building energ	y efficiency and reduce GHG emissions.
ASHRAE Government Affairs Office 1255 23 <sup>r</sup> Tel: 202.833.1830   <u>0</u>	<sup>d</sup> Street NW, Suite 825, Washington, DC 20037 GovAffairs@ashrae.org



#### CLIMATE CHANGE AND THE BUILT ENVIRONMENT

#### THE ISSUE

Worldwide concern for changes in the global climate has escalated as scientific evidence has become more definitive, linking increased concentrations of atmospheric greenhouse gases (GHGs) and consequent global warming to human activities. As a response, ASHRAE is increasing our its attention and consideration on to standards, regulations, legislation and policies that involve GHGs.

When developing policies to combat address climate change, it is important to consider that buildings and their heating, ventilating, air conditioning and refrigeration (HVAC&R) systems directly and indirectly contribute to GHG emissions. Buildings are responsible for 34% of global final energy use and 37% of energy-related emissions worldwide. These emissions are associated with construction and the energy needed to operate buildings and building systems, and to a lesser extent indirectly through the release of refrigerants and other GHGs, in particular if they are not properly managed. According to the United Nations Intergovernmental Panel on Climate Change (IPCC), "buildings offer immediately available, highly cost-effective opportunities to reduce energy demand, while contributing to meeting other key sustainable development goals including poverty alleviation, energy security and improved employment." Improving the energy efficiency, and the ongoing efficient performance of building systems provide a significant opportunity for climate change mitigation.

#### ASHRAE's ROLE

ASHRAE is the leading source of information and research for HVAC&R systems and building performance making this issue a key area for our members. ASHRAE's technical resources help address buildings' contribution to climate change including through these standards:

- Standard 90.1, Energy <u>Efficiency</u> Standard for <u>Sites and</u> Buildings Except Low-Rise Residential Buildings
- Standard 90.2, Energy Efficient <u>High-Performance Energy</u> Design of Low-Rise Residential Buildings
- Standard 90.4, Energy Standard for Data Centers
- Standard 100, Energy and Emissions Building Performance Standard for Existing Buildings
- Standard 189.1, Standard for the Design of High Performance Green Buildings Standard 189.3 Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities
- Standard 105, Standard Methods of Determining, Expressing, and Comparing Building Energy Performance and Greenhouse Gas Emissions
- 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 – for full building lifecycle analysis

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

 Proposed Standard 242P, Standard Method for Calculation of Building Operational Greenhouse Gas Emissions

Other ASHRAE resources for addressing climate change include:

 ASHRAE and its partners have published several free-to-download Advanced Energy Design Guides (including Zero Energy Building Guides for K-12 Schools and Offices), which provide educational guidance to reduce energy consumption while achieving acceptable IEQ conditions.

#### **ASHRAE's VIEW**

ASHRAE is committed to a leadership role in reducing climate change contributed to by associated with building systems and responding to climate change experienced in the built environment. ASHRAE recommends:

- States adopt the most recent version of ANSI/ASHRAE/IES Standard 100 for existing buildings and ANSI/ASHRAE/IES Standard 90.1 for new buildings.
- A full evaluation of new and existing buildings' climate impacts, carbon balance, and energy performance.
- Funding for research that improves energy efficiency/utilization in HVAC&R technology to minimize GHG emissions.
- Funding for building science research leading to improved
  - advanced equipment and systems
  - grid-interactive designs
  - ability to load-shift
  - integration of the Internet of Things (IoT)
  - net metering
  - building based energy storage systems and demand response technology
- Promotion of carbon and energy life-cycle analysis to building owners to encourage sustainable building construction, operation and renewal.

<sup>&</sup>lt;sup>1</sup> United Nations Environment Programme (2024), "Global Status Report for Buildings and Construction: Beyond foundations: Mainstreaming sustainable solutions to cut emissions from the buildings sector." Nairobi. https://doi.org/10.59117/20.500.11822/45095.

<sup>&</sup>lt;sup>2</sup> Lucon, Oswaldo, and Diana Ürge-Vorsatz. "AR5 Synthesis Report: Climate Change 2014." *Chapter 9: Buildings*, United Nations Intergovernmental Panel on Climate Change, 2014, <a href="https://www.ipcc.ch/site/assets/uploads/2018/02/ipcc\_wg3\_ar5\_chapter9.pdf">https://www.ipcc.ch/site/assets/uploads/2018/02/ipcc\_wg3\_ar5\_chapter9.pdf</a>. <sup>3</sup> For more information, see <a href="https://www.ashrae.org/technical-resources/aedgs">www.ashrae.org/technical-resources/aedgs</a>.



#### **CONSENSUS STANDARDS: EXPERT SOLUTIONS TO MEET GLOBAL NEEDS**

#### THE ISSUE

Voluntary consensus technical standards developed by private organizations are essential for a productive global economy and to facilitate global commerce. Standards foster safe <u>and effective</u> building technology innovation by providing a transparent baseline and needed metrics for assessing how that technology can impact building design, performance, and the occupants. They are necessary for comparing technologies in the expanding global marketplace and facilitating cross-border collaboration. Governments and model code bodies recognize the value of voluntary consensus standards and adopt them for use in their building codes and regulations.

Voluntary consensus technical standards are developed through the participation of qualified, interested, and affected stakeholders including manufacturers, consumers, users, advocacy organizations, and representatives of government and academia. Standards accreditors such as the American National Standards Institute (ANSI), the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) follow several principles such as consensus, balance, transparency, due process, and technical expertise.

Copyright protection of voluntary consensus technical standards is critical to the continued development and maintenance of standards. Governments at all levels benefit from the application of standards by private organizations who rely on copyright protection in order to continue the maintenance of existing standards and development of future standards. Without copyright protection, standards development organizations will be challenged to provide the public with the benefit of rigorous research, tested and science-backed standards.

In the United States, policymakers have considered voluntary consensus standards so critical that federal law (the National Technology Transfer and Advancement Act of 1995), supplemented by OMB Circular A-119, directs federal agencies to use voluntary consensus standards wherever possible in their procurement and regulatory activities in lieu of expending public resources developing government-unique standards. Current policy recognizes that reliance on voluntary consensus standards protects public health and safety, saves taxpayers money, encourages long-term growth for U.S. businesses, and promotes the global competitiveness of American enterprises.

#### **ASHRAE's ROLE**

ASHRAE develops and publishes robust technical standards; many of which are adopted directly by governments or into building codes. ASHRAE standards establish requirements in the areas of heating and cooling, indoor air quality, energy conservation efficiency and management, building water systems, high-performance buildings, safe refrigerant use, and others. ASHRAE's standard development process is rigorous, and it is one of only six standards-developing organizations in the U.S. that can self-certify that its standards have followed ANSI's procedures.

ASHRAE also serves on U.S. Technical Advisory Groups (TAGS) for ISO Committees and in the role of international secretariat for ISO Technical Committees to help ensure that ASHRAE views are represented. These standards are supported by technical committees that develop publications and educational materials to assist in the application of ASHRAE standards. ASHRAE standards are developed by experts from around the globe under strict ethical and non-commercialism guidelines.

#### ASHRAE's VIEW

Use of voluntary consensus standards at all levels of government are a benefit to society. For this reason:

- Government entities should continue to support voluntary consensus standard development, use, and adoption in laws and regulations, which can protect public health and safety, improve commerce, and save taxpayers money.
- Agencies should work with standards developers and industry experts to identify situations where societal interests could be addressed through the use of voluntary consensus standards.
- Governments should continue to foster and support the unique character and strengths of the public-private partnership in standards development as they pursue trade and other international agreements, regulatory harmonization, and legislative and regulatory approaches.
- Governments should support policies, both domestically and internationally, which ensure
  the continued ownership and control of the copyrights and trademarks of standards
  developers.
- Policy makers should participate in the development of voluntary consensus standards and government officials should encourage their staff who are subject matter experts to participate through work release time and reimbursement of expenses incurred.
- Governments need to regularly update regulations and policies to reference the latest versions of standards to reflect the latest technical advances, which can help protect public health, improve resiliency and sustainability.



#### ENVIRONMENTAL TOBACCO SMOKE AND ELECTRONIC NICOTINE DELIVERY SYSTEMS

#### THE ISSUE

While indoor smoking has become less common in recent years in many countries the use of Electronic Nicotine Delivery Systems (ENDS) has significantly increased. Both smoking and the use of ENDS negatively affects indoor air quality, and each has inherent health risks.

Exposure to Environmental Tobacco Smoke (ETS) continues to have considerable health and cost impacts. Researchers have investigated the health and irritant effects among non-smokers exposed to tobacco smoke in indoor environments. Such exposure is also known as passive smoking and as involuntary exposure to secondhand smoke. A number of national and global health research groups and agencies have concluded, based on the preponderance of evidence, that exposure of non-smokers to tobacco smoke causes specific diseases and other adverse effects to human health, most significantly cardiovascular disease and lung cancer. No cognizant authorities have identified an acceptable level of ETS exposure to non-smokers; or expectation that further research will identify such a level.

Simultaneously with the decline of tobacco smoking, the use of Electronic Nicotine Delivery Systems (ENDS) including vape pens, electronic cigarettes, and other device that convert nicotine into an inhalable aerosol without combustion has rapidly increased. The vapor or aerosol emitted from these devices contains varying amounts of nicotine dissolved in propylene glycol, or glycerol along with volatile compounds (VOCs).<sup>1,2</sup> Unique to the use of ENDS is the concentration and type of compounds that may deposit and remain on indoor surfaces. These deposits represent a unique source of contamination in buildings that varies depending on indoor climate, airflow and surface area that may require specialized cleaning, HVAC maintenance, and other operational practices.<sup>3</sup> In addition, limited studies have been performed to evaluate the chemical reactions and health interactions that may occur between ENDS emissions and other airborne contaminants commonly found indoors.

Despite the well-documented benefits of smoking bans, many locations worldwide still lack laws and policies that provide sufficient protection. Still fewer bans include prohibit the use of ENDs. In many locations, laws and policies are only partially protective, permitting smoking and ENDS usage in certain areas of buildings or specific building types including casino, entertainment and multifamily housing.

<sup>&</sup>lt;sup>1</sup> Offermann 2015. F.J. Offermann, "Chemical Emissions from E-Cigarettes: Direct and Indirect Passive Exposures," *Building and Environment*, Vol. 93, Part 1, 101-105, November, 2015.

<sup>&</sup>lt;sup>2</sup> Cooke 2015. Cooke, Andrew, MDa, et. al., "The Electronic Cigarette: The Good, the Bad, and the Ugly," *J Allergy Clin Immunol Practice*, 2015, Vol. 3, 498-505.

<sup>&</sup>lt;sup>3</sup> Schripp 2013. Schripp, et. al., "Does e-cigarette consumption cause passive vaping?" Indoor Air 2013; 23: 25–31.

## **ASHRAE's ROLE**

Providing healthy and comfortable indoor environments through the management of indoor air quality is a fundamental goal of building and HVAC design and operation. ASHRAE has long been active in providing engineering technology, standards and design guidance in support of this goal. For example, ANSI/ASHRAE Standards 62.1 and 62.2 are standards that specify minimum ventilation rates and other measures to manage indoor air quality. Therefore, the health effects of indoor exposure to emissions from tobacco products, and ENDs devices are relevant to ASHRAE.

## **ASHRAE's VIEW**

Exposure to ETS can be reduced through a variety of strategies, but they do not completely eliminate exposure to ETS. Only indoor smoking bans, leading to near zero exposure, provides effective control, have been recognized as effective by health authorities as providing effective control. Effects of secondary involuntary exposure to ENDS have not been thoroughly studied by the scientific community, in part because these devices are new, evolving, diverse and customizable. However, because ENDS have become so prevalent, indoor building components and occupants are being passively exposed to passive these vapors. Many cognizant public health authorities argue that caution should prevail in all situations of human exposure when limited data is available about health impacts. Applying this principle to ENDS argues that involuntary exposure should be banned in order to keep exposure to airborne emissions as low as possible.

ASHRAE's mission to act for the benefit of the public encourages lawmakers, policymakers and others who exercise control over buildings, to maximize mitigation of secondary involuntary exposure from smoking and ENDS use inside and near buildings. ASHRAE also recommends:

- That building design practitioners work with their clients to define their intent, where smoking and ENDS use is still permitted, for addressing exposure in their facilities and educate and inform their clients of the limits of engineering controls in regard to both ETS and ENDS.
- That multifamily buildings have complete bans on tobacco smoking and ENDS inside and nearby in order to protect nonsmoking adults and children.
- That further research be conducted by cognizant health authorities on the health effects
  of involuntary exposure in the indoor environment from smoking cannabis, and using
  hookahs and ENDS. Pending the outcome of that research, cannabis and hookah
  smoking should be managed the same as recommended herein for ETS and ENDS.



### INDOOR AIR QUALITY

## THE ISSUE

The average adult breathes about 2,000 gallons (7,570 liters) of air each day and most Americans people spend around 87% of their time inside buildings – amplifying the importance of indoor air quality. The quality of the air inside our buildings has a significant impact on a person's health, performance and wellbeing. Indoor air is a significant exposure route for airborne contaminants and may contain particles and gases with impacts that range from eye and lung irritation to exposure to infectious pathogens, poisonous compounds, or carcinogens. These contaminants can impact health, comfort, well-being, learning, sleep, and work performance.

The direct connection between health and wellness encourages building designers and operators to prioritize indoor air quality (IAQ) in buildings. Cost-benefit analyses have estimated the health and economic benefits of improved IAQ to be far greater than the costs of implementing strategies that yield IAQ improvements. There are three widely accepted approaches to improving IAQ – source control, ventilation, and air cleaning. Many strategies exist within these approaches that can help achieve good IAQ efficiently and can be implemented to lower energy use and improve occupant satisfaction.

## **ASHRAE's ROLE**

The critical connection between IAQ and building HVAC systems has made IAQ a fundamental issue for ASHRAE and its members for more than 50 years. ASHRAE provides technical resources, coordinates and funds research, organizes conferences, and educates practitioners about IAQ.

ASHRAE developed and continues to support standards, guidelines, and other resources related to efficiently improving IAQ, such as:

- ANSI/ASHRAE Standard 62.1, Ventilation and Acceptable Indoor Air Quality This
  Standard establishes ventilation and other IAQ requirements for buildings other than
  residential and health care. Its outdoor air ventilation rate requirements have been
  adopted into the International Mechanical Code and Uniform Mechanical Code, the two
  most common model building codes in the US. The standard is also referenced by most
  green commercial building programs including LEED.
- ANSI/ASHRAE Standard 62.2, Ventilation and Acceptable Indoor Air Quality in Residential Buildings – Residential (multifamily to single family homes) ventilation requirements from this standard have been adopted into codes, including California's Title 24, and into LEED for Homes and the U.S. Environmental Protection Agency's (EPA) Indoor airPlus program.
- ANSI/ASHRAE/ASHE Standard 170, Ventilation of Health Care Facilities Standard 170 brought together several documents used throughout North America into a single standard. It is now widely used in building codes for ventilation requirements in hospitals and other health care facilities.
- ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings – This

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

Standard was developed in conjunction with U.S. Green Building Council, the International Code Council and Illuminating Engineering Society, this standard provides IAQ requirements beyond those in Standard 62.1.

- **ASHRAE Standard 241, Control of Infectious Aerosols** This Standard defines the amount of equivalent clean airflow necessary to substantially reduce the risk of disease transmission during infection risk management mode.
- ASHRAE Guideline 42, Enhanced Indoor Air Quality in Commercial and
  Institutional Buildings This Guideline recommends measures that exceed the
  minimum requirements in Standard 62.1 to provide enhanced indoor air quality through
  the management of indoor contaminant sources, and through enhanced ventilation and
  air-cleaning-system design, installation, commissioning, and operation and maintenance.
- ASHRAE Indoor Air Quality Guide: Best Practices for Design, Construction, and Commissioning and ASHRAE Residential Indoor Air Quality Guide: Best Practices for Acquisition, Design, Construction, Maintenance and Operation – These guides present best practices that have proven successful in building projects to achieve good IAQ.
- Damp Buildings, Human Health and HVAC Design This report provides a summary
  of what is understood about dampness-related health risks in buildings as well as
  suggestions for HVAC system designers that can help avoid such risks.

### **ASHRAE'S VIEW**

ASHRAE's view is that the provision of acceptable IAQ is an essential building service. Improved IAQ brings substantial health and economic benefits from a broad public health perspective, as well as to individual building owners and occupants.

Therefore, ASHRAE recommends that:

- Achieving and maintaining good IAQ should be included in all decisions (including policy decisions) that affect the design and operation of buildings and HVAC systems, including efforts to improve building energy efficiency, sustainability, resiliency, and the management of infectious diseases.
- The importance of IAQ and the fundamentals of achieving good IAQ through building design and operation should be included in education programs for all stakeholders in built environment – from developers, owners, and operators to designers, technicians, and consultants.
- The latest versions of ASHRAE's IAQ standards should be adopted by building codes and regulations when they are updated every three years, specifically:
  - Standard 62.1-2022 for commercial buildings
  - Standard 62.2-2022 for residential buildings
  - Standard 170-2021 for healthcare buildings
  - Standard 241-2023 for pathogen mitigation
- Research and standards development should be supported by the government, including
  consideration for a national model standard, improvement of indoor contaminant
  monitoring and measurement technologies, approaches to improving IAQ beyond
  ventilation and filtration (e.g., air cleaning), development of tools to assess the economic
  valuation of IAQ benefits, and improved understanding of new contaminants of concern
  and techniques for adding them.



### REFRIGERANTS AND THEIR RESPONSIBLE USE

## THE ISSUE

Choosing a refrigerant for a given HVAC&R application has become increasingly complex due to direct and indirect environmental impacts, performance, cost-effectiveness and safety for employees and the public. Following the implementation of the Kigali Amendment to the Montreal Protocol in 2019, the use of lower global warming potential (GWP) refrigerants are beginning to replace high GWP refrigerants. Many of the lower GWP refrigerants are mildly flammable, which require the updating of building codes and standards. Ultra-low GWP refrigerants are also being used and considered for certain applications and it is important to ensure these refrigerants are used safely, efficiently, and cost-effectively.

## **ASHRAE's ROLE**

With its technical expertise, ASHRAE plays a key role in guiding the selection and analysis of new refrigerants, and the potential environmental and societal consequences of their use. ASHRAE contributed to successfully phasing out the use of ozone depleting refrigerants and is already contributing to reducing the use of high GWP refrigerants. ASHRAE develops voluntary technical standards and guidelines governing the classification, application, and use of refrigerants, which are referenced by various codes and regulations, globally.

As lower GWP refrigerants become more prevalent, ASHRAE commits to their safe application in residential, commercial and industrial uses as prescribed by Standard 34-20224, Designation and Classification of Refrigerants, Standard 15-20224, Safety Standard for Refrigeration Systems, and the Standard 15.2-2022, Safety Standard for Refrigeration Systems in Residential Applications. Significant updates to these standards were made to address safe use of low-GWP A2L refrigerants.

## **ASHRAE's VIEW**

ASHRAE supports the classification and use of refrigerants based on safety, performance and environmental impact. As the transition to more climate-friendly alternatives continues, ASHRAE supports reducing emissions from high GWP refrigerants through research, education, and improvements to design, installation, operation, maintenance, and decommissioning of equipment, including minimization of leakage and accurate accounting and reporting in accordance with applicable standards and policies.

ASHRAE supports the global phasedown of the production and consumption of high GWP refrigerants and encourages the adoption of the latest standards in order to enable use of lower GWP refrigerants. ASHRAE continues to update its standards to reflect low GWP refrigerants and solutions.

Furthermore, used refrigerants should be safely recovered for reuse, recycle, reclamation or destruction during service or at the end of the equipment life. Refrigerant inventory and management programs should be implemented to closely track refrigerant use.



### RESILIENCY IN THE BUILT ENVIRONMENT

### THE ISSUE

Resiliency in the built environment is a complex subject that involves many disciplines. The National Institute of Building Sciences (NIBS) Coalition on Resiliency, which includes ASHRAE and 38 other organizations, has defined resiliency as "the ability to prepare and plan for, absorb, recover from and more successfully adapt to adverse events or threats." These events or threats may be financial, political, environmental, as well as disaster, conflict, cyber, climate, or health-related. Its recent prominence is in part due to increasing concerns over the adequacy of responses to natural or climate-related events around the world, as well as recognition that many such events are likely to increase in frequency and severity. According to the National Oceanic and Atmospheric Administration (NOAA), the U.S. has sustained 341 weather and climate disasters since 1980 where overall damages/costs reached or exceeded \$1 billion (including CPI adjustment to 2022). The total cost of these 341 events exceeds \$2.475 trillion.

Strengthening the built environment is vital to protecting the public when natural and human-induced events occur. Buildings often serve as the first line of defense and as a result, the built environment and engineered systems in buildings must become more resilient in how they are designed and operated in order to protect the public. A building's ability to recover and be available to occupants following such an event, can have widespread economic and health implications. Additionally, as the built environment becomes more interconnected and operations shift towards automation, building systems will see increased vulnerability to cyber threats.

## **ASHRAE's ROLE**

It is ASHRAE's position that building design and operation must consider resiliency as part of an overall risk assessment and planning approach, and that major new efforts in research, education, standards and guidelines, and guidance documents are required to increase building resiliency. Building resiliency is of such importance that it has been identified as one of four key initiatives in the 2019-2024 ASHRAE Strategic Plan.

ASHRAE also has partnered with CIBSE to release a Joint Position Document on Resiliency in the Built Environment.<sup>3</sup> The two societies are committed to taking a leadership role with respect to building resiliency. ASHRAE will be developing and adopting designs, materials, components, systems, and processes that minimize the adverse impacts of extreme events and environmental changes over time.

<sup>&</sup>lt;sup>1</sup> IPCC. 2014. Fifth Assessment Report of the Intergovernmental Panel on Climate Change. Geneva, Switzerland: Intergovernmental Panel on Climate Change. www.ipcc.ch/report/ar5/.

<sup>&</sup>lt;sup>2</sup> "Billion-Dollar Weather and Climate Disasters: Overview." National Climatic Data Center, National Oceanic and Atmospheric Administration, https://www.ncei.noaa.gov/access/billions/.

<sup>&</sup>lt;sup>3</sup> ASHRAE & CIBSE. Position Document on Resiliency in the Built Environment". https://www.ashrae.org/about/position-documents

### **ASHRAE's VIEW**

Investing in building resiliency is crucial to saving lives, protecting public property, and reducing the financial strain of post-disaster recovery. For these reasons, ASHRAE sees the need for policy setting entities world-wide to encourage sound, balanced, and innovative actions to address long-range resiliency issues and the specific technical concerns associated with them.

When it comes to strengthening the built environment, building codes and standards, such as those developed by ASHRAE, make our communities more sustainable, more efficient and more resilient. According to a 2018 study released by NIBS, by adopting the most recent building codes, there is an impressive cost-benefit ratio ranging from \$4—12 for every \$1 invested towards hazard mitigation. Unfortunately, most jurisdictions have not yet adopted the most recent standards and codes that are based on the latest research and technological innovation. Legislators and other government officials should examine the best ways to assist these jurisdictions with the adoption, implementation and enforcement of the most recent building energy efficiency codes and standards, as high efficiency buildings rely less on the grid and are thus more resilient. This will help prevent future destruction provide a more sustainable future and improve the resilience of the built environment. ASHRAE is committed to being a resource for government with respect to building codes and standards, and will continue to publish and maintain consensus-based building standards, guidelines, and Design Guides.

ASHRAE also holds the following positions with respect to resiliency in the built environment:

- Resiliency is an important societal, economical and technical issue that has a major impact on the built environment as well as how engineered building systems are designed and operated.
- Technical solutions to these challenges are needed, including the application of emerging technologies such as artificial intelligence. These solutions will include research, standard and guideline development, and the production of educational material.
- Policy setting entities need to encourage sound, balanced, and innovative actions to address the broad issues of resiliency and the specific technical concerns associated with them.
- Built environments need to be developed which are both resilient and sustainable.

Additionally, ASHRAE recommends that additional and continuing research be conducted with the intent to guide resilient infrastructure, building systems and community designs. ASHRAE aims to continue collaborating on building resiliency research opportunities with external organizations, national and international government agencies, and foundations. This is in addition to the over \$10 million in ongoing research projects currently funded by ASHRAE.



### STEM EDUCATION AND HVAC&R WORKFORCE

## THE ISSUE

Commitment to <u>providing</u> a solid education in science, technology, engineering and mathematics (STEM) to develop the future <u>supply workforce</u> of technicians, engineers and scientists is critical to our future well-being and standard of living. <u>Even sS</u>tudents pursuing non-STEM specialties <u>also</u> need basic knowledge of scientific and technological applications for effective participation in the workforce, success in their personal lives and responsible citizenship.

Moreover, there has been increased growth in jobs related to STEM that need to be are not filled due to a workforce shortage. The U.S. Bureau of Labor Statistics projects that employment in architecture and engineering occupations is expected to grow faster than other fields 4% from 2021-to 2031, with The workforce shortage has driven salaries to nearly double, with a 2023 median annual wage of \$79,840 compared to \$45,760, the median wage across all occupations. Additionally, about 168,500 openings for construction employment are projected each year on average over the next decade.

The HVAC&R workforce in North America remains a male-dominated employment sector; the share of female workers in <u>architectural</u> engineering <del>and architecture</del> is 14 <u>19.3%</u> percent<sup>3</sup> and 5.9% percent of HVAC&R Technicians. Additionally, people of color remain under-represented inthe engineering of buildings and HVAC&R sectors; 70.1 percent of the HVAC&R workforce is white <u>under-represented minority students receive only 24% of the degrees with the building and HVAC&R engineering sectors.</u>

## **ASHRAE's ROLE**

As professionals focused on design, construction, operation and maintenance of buildings and infrastructure, and as educators of future generations of engineers and the HVAC&R workforce, our members also recognize the importance of mentoring and helping students learn about STEM careers, which is why our members are active in their local communities and in national programs, bringing exciting science and engineering programs to students. As professionals and educators in various STEM careers, ASHRAE strongly promotes our members to actively engage in their local communities and national programs with mentoring and educational opportunities in STEM fields. ASHRAE is actively engaged in the Solar Decathlon, National Engineers Week and other STEM education efforts worldwide, including through its 440 active student branches.

ASHRAE is also a member of the National STEM Education Coalition, which supports new and innovative initiatives that help improve the content, knowledge, skills and professional

<sup>&</sup>lt;sup>1</sup> U.S. Bureau of Labor Statistics. 2022. Occupational Outlook Handbook: Architecture and Engineering Occupations.

<sup>&</sup>lt;sup>2</sup> U.S. Bureau of Labor Statistics. 2022. Occupational Outlook Handbook: Construction Laborers and Helpers.

<sup>&</sup>lt;sup>3</sup> U.S. Bureau of Labor Statistics. 2017. Women in architecture and engineering occupation in 2016.

<sup>&</sup>lt;sup>4</sup> Zippia, 2022. Hearing and Cooling Technician Demographics and Statistics in the US. <a href="https://www.zippia.com/heating-and-cooling-technician-jobs/demographics/">https://www.zippia.com/heating-and-cooling-technician-jobs/demographics/</a>.

<sup>&</sup>lt;sup>5</sup> Ibid.

development of the K-12 STEM teacher workforce, and informal educators. ASHRAE is dedicated to ensuring quality STEM programs for teachers and students all around the world by encouraging its members to get involved with their local school systems.<sup>6</sup>

ASHRAE's Board of Directors has committed to promoting diversity and inclusion in all levels of the society. This includes efforts to promote STEM education and training to children, schools, and educators, in a way that will attract, train, and retain more women, disabled, LGBTQ, and people of all socioeconomic and ethnic backgrounds to engineering education and employment.

ASHRAE also supports strengthening the broader HVAC&R workforce, including technicians who install and maintain HVAC&R equipment as well as distributors, contractors, and facility operators and managers. The HVAC&R and buildings industry has been facing a serious shortage of skilled trade employees for several years and has more recently been exacerbated by the overall shortage of U.S. workers. Unfortunately, there is a broadening skills gap as well due to several factors, including: the retirement of the baby boomers, advancements in technology that require new skills, increased job competition in the global marketplace, failure to cultivate a and retain skilled talent, a societal focus only on four-year degree programs to the exclusion of technical and technological education, and a lack of emphasis on the necessary skill sets for advanced manufacturing. Of these, the last two are most critical to ensuring innovative, high efficiency products are able to be manufactured and installed properly. Community colleges, training programs, internships, apprenticeships and certification programs can strengthen the pipeline for the HVAC&R workforce.

## **ASHRAE's VIEW**

Future generations need to possess the skills and critical competencies necessary to be successful in a highly competitive, global and technologically sophisticated economy. We must work cooperatively to ensure that students receive the STEM training essential for future success.

ASHRAE encourages policymakers to implement the following recommendations:

- Increase government funded research to improve teaching and learning of STEM concepts and critical thinking skills.
- Recruit, train and retain qualified STEM teachers through the development of programs
  recognizing educators who excel in STEM education and incentives, that encourage the
  best and brightest scientists, engineers, technologists, and technicians to act as role
  models and teachers, to pave the way for future generations.
- Foster partnerships among educational institutions, industry and non-profit organizations and their members to introduce students of all backgrounds to STEM career opportunities, including those careers that do not necessarily require a university degree.
- Support and encourage students who choose to enroll in community college, or other career and technical education programs, that prepare and qualify individuals for careers as HVACR technologists, technicians, facility operators, and buildings managers by providing these students with affordable tuition options.
- Create opportunities and incentives for women and those of diverse backgrounds to pursue STEM coursework and careers.
- Encourage diversity in STEM education and the HVAC&R workforce.

<sup>&</sup>lt;sup>6</sup> For more information, see <a href="https://www.ashrae.org/communities/student-zone/k-12-activities">https://www.ashrae.org/communities/student-zone/k-12-activities</a>.

ASHRAE Government Affairs Office 1255 23<sup>rd</sup> Street NW, Suite 825, Washington, DC 20037

Tel: 202.833.1830 | GovAffairs@ashrae.org



## INDOOR CARBON DIOXIDE, VENTILATION AND INDOOR AIR QUALITY

## THE ISSUE

Indoor CO<sub>2</sub> has been considered in the context of building ventilation and indoor air quality (IAQ) for centuries. Most of these discussions have focused on how CO<sub>2</sub> concentrations relate to occupant perceptions of IAQ, and the use of CO<sub>2</sub> to evaluate ventilation rates <u>and control of outdoor air intake rates (demand control ventilation)</u>. While these topics have been studied for decades, misinterpretation of CO<sub>2</sub> concentration as an indicator of IAQ and ventilation is common in the HVAC industry, IAQ research community, and the public.

In addition, recent research has studied the impacts of CO<sub>2</sub> on human performance at commonly observed indoor concentrations. indoor CO<sub>2</sub> monitoring has also been promoted as a ventilation indicator in the context of managing the risks of airborne disease transmission. Also, concerns have long existed regarding the accuracy of indoor CO<sub>2</sub> concentration measurements, which are now more common due to the availability and more widespread application of less expensive sensors. Given all of these factors, as well as increasing calls to monitor CO<sub>2</sub> in buildings, ASHRAE is working to clarify the use of indoor CO<sub>2</sub> measurements as a tool to help improve IAQ and building ventilation.

## **ASHRAE's ROLE**

ASHRAE has long been active in providing engineering technology, standards and design guidance to support the goal of providing healthy and comfortable indoor environments in an energy-efficient manner. For decades, these efforts have focused on providing effective ventilation in buildings, designing and operating ventilation systems and managing the wide range of air pollutants within buildings. For example, ANSI/ASHRAE Standards 62.1 and 62.2 are standards that specify minimum ventilation rates and other measures to support the health, comfort and productivity of building occupants; these standards do not include CO<sub>2</sub> limits based on human health and comfort. ASHRAE Standard 62.1. contains CO<sub>2</sub> concentration setpoints for the application of demand control ventilation, but they are not intended to be and should not be used as indicators of IAQ.

### **ASHRAE's VIEW**

Monitoring indoor CO<sub>2</sub> can be a useful tool for understanding building ventilation and IAQ, supporting efforts to provide high quality indoor environments and manage the energy needed to do so. Critically, indoor CO<sub>2</sub> measurements should be understood in the context of the built environment, to ensure that they are measured and interpreted in a meaningful way. Claims that ASHRAE Standard 62.1 requires indoor CO<sub>2</sub> concentrations below a certain threshold (typically 1000 ppm) for acceptable indoor air quality are *incorrect*<sup>1</sup>. ASHRAE's IAQ Standards do not use indoor CO<sub>2</sub> values to determine acceptable indoor air quality, as IAQ is impacted by multiple factors (such as temperature, humidity, particulate matter, gas pollutants, etc.).

<sup>&</sup>lt;sup>1</sup> Persily, A. 2022. *Development and application of an indoor carbon dioxide metric*. Indoor Air. Volume 32, Issue 7.

Because of ASHRAE's mission to act for the benefit of the public, it encourages building designers, lawmakers, policymakers and others to craft informed recommendations for the measurement of indoor CO<sub>2</sub> concentrations. To that end, ASHRAE stresses that:

- Indoor CO<sub>2</sub> concentrations do not provide an overall indication of IAQ, but they can be a-useful tool in IAQ assessments if users understand the limitations in these applications (e.g., number and activity level of occupants compared to the design capacity, length of time a space has been occupied, no combustion or other sources of CO<sub>2</sub> that could impact readings). While CO<sub>2</sub> readings below a threshold value do not assure overall acceptable IAQ, CO<sub>2</sub> readings far above expected ranges<sup>2</sup> may likely indicate the ventilation system is not functioning properly.
- Existing evidence for the impacts of CO<sub>2</sub> on health, well-being, learning outcomes and work performance is inconsistent and does not currently justify changes to ventilation and IAQ standards, regulations, and guidelines.<sup>3</sup>
   However, CO<sub>2</sub> can be used to verify if ventilation system performance meets existing IAQ standards, regulations, and guidelines.
- The use of indoor CO2 measurements to evaluate the risk of airborne disease transmission must account for the type of space and its occupancy and the differences in CO2 and infectious aerosols. For example, CO2 concentration is unaffected by filtration and most other air-cleaning methods that reduce infectious aerosol concentration, so it should not be used as a direct indicator of infection risk.
- Sensor accuracy, location and calibration are all critical for drawing meaningful inferences from measured indoor CO2 concentrations.
- Programs or requirements to monitor CO<sub>2</sub> in buildings, when conducted with an understanding of their technical basis, can be helpful, but monitoring CO<sub>2</sub> without such understanding can lead to confusion on the part of building occupants and the public.

\_

<sup>&</sup>lt;sup>2</sup> Ibid.

<sup>&</sup>lt;sup>3</sup> In a 2010 study by J.M. Logue, T.E. McKone, M.H. Sherman, and B.C. Singer of the Berkeley National Laboratory titled, Hazard Assessment of Chemical Air Contaminants Measured in Residents, fifteen pollutants were identified as contaminants of concern for chronic health effects in a large fraction of homes. Nine pollutants were identified as priority hazards: acetaldehyde; acrolein; benzene; 1,3-butadiene; 1,4-dichlorobenzene; formaldehyde; naphthalene; nitrogen dioxide; and PM2.5. Activity-based emissions are shown to pose potential acute health hazards for PM2.5, formaldehyde, CO, chloroform, and NO2.



## WILDFIRE SMOKE FROM WILDFIRES AND PRESCRIBED BURNS: IMPLICATIONS FOR INDOOR ENVIRONMENTAL HEALTH

## THE ISSUE

Wildfires are large-scale, uncontrolled fires that occur in forests, grasslands, and other landscapes. In recent years, the frequency and severity of wildfires have increased due to climate change. The smoke from these fires, along with that from prescribed burns, can cause significant air quality issues both outdoors and indoors. Wildfire smoke poses a risk to indoor air quality (IAQ) by introducing hazardous particles and gases into the air. These contaminants can enter buildings through open doors and windows, ventilation systems, or general air leakage. Once inside, they can remain airborne for long periods of time and lead to health symptoms such as eye irritation, coughing, difficulty breathing, headaches, nausea, and dizziness, as well as more severe health risks such as heart attacks and strokes, especially among vulnerable populations. The health impacts caused by wildfire smoke make it essential for building owners/operators to take proactive steps towards reducing exposure among occupants wherever possible. While wildfires and prescribed burns are the driving issue, many of the concerns and much of the available knowledge and guidance have wider applicability to other smoke events.

### **ASHRAE's ROLE**

ASHRAE develops consensus standards and guidelines, and offers technical resources onboth commercial and residential considerations for managing the effects of wildfires in both commercial and residential buildings. These resources include:

- ASHRAE Guideline 44P, Protecting Building Occupants from Smoke During Wildfire and
  Prescribed Burn Events—provides guidance on how to protect building occupants from smoke
  during wildfire and prescribed burn events. The aim of the guideline is to provide a series of
  actions to be taken to reduce the risk of smoke infiltration into a building, protect its
  occupants from smoke, and reduce the need for evacuation. The guideline addresses risk
  reduction, guidance on selecting appropriate smoke management strategies, and information
  on air filtration and air-conditioning systems for smoke control. The guideline also addresses
  building envelope design and construction, and testing and commissioning of smoke
  management systems.
- ASHRAE Planning Framework for Protecting Commercial Building Occupants from Smoke During Wildfire Events – provides recommended heating, ventilating, and air conditioning (HVAC) and building measures to minimize occupants' exposures and health impacts from smoke during wildfire and prescribed burns.
- ASHRAE Residential Issue Brief, "Wildfire Smoke Hazards for Dwelling Occupants," 2021

   provides evidence-based information and guidance to protect residential building occupants from smoke exposure and to help designers create residential buildings and systems to limit smoke entry.
- Proposed ASHRAE Guideline 44P, Protecting Building Occupants from Smoke During

Wildfire and Prescribed Burn Events—is expected to provide guidance on how to protect building occupants from smoke during wildfire and prescribed burn events. The aim of the guideline will be to provide a series of actions to be taken to reduce the risk of smoke infiltration into a building, protect its occupants from smoke, and reduce the need for evacuation. The guideline is anticipated to address risk reduction, guidance on selecting appropriate smoke management strategies, and information on air filtration and air-conditioning systems for smoke control. The guideline is expected to address building envelope design and construction, and testing and commissioning of smoke management systems.

### **ASHRAE's VIEW**

ASHRAE's view is that building owners/operators should take proactive measures to reduce exposure to wildfire smoke in order to have improved manage negative IAQ impacts. These include reducing outdoor air intake during high levels of wildfire smoke; installing effective filtration systems; sealing cracks or gaps where outdoor air smoke can enter the building; monitoring IAQ conditions with reliable instruments; raising awareness among occupants about potential health effects of wildfire smoke exposure; using portable HEPA filtration devices when necessary; ensuring proper maintenance of HVAC systems; providing greater access to equipment such as respirators or masks when needed; consulting with local public health officials when necessary; and, offering support services for those affected by poor IAQ conditions caused by wildfire smoke.

## PROGRESS CHART: Government Outreach Events

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

	Target	Held	Scheduled	Planned	Delta	Reporting Forms	Recurring Meetings	# of Government Attendees
City/Local		10	0	0	10	4	0	16
State		23	1	19	43	11	0	69
Federal		0	0	0	0	0	0	0
Global		6	1	0	7	3	0	24
In-Person		33						
Virtual		6						
Total	100	39	2	19	-40	18	0	109

Note: Totals may not add u

due to rounding

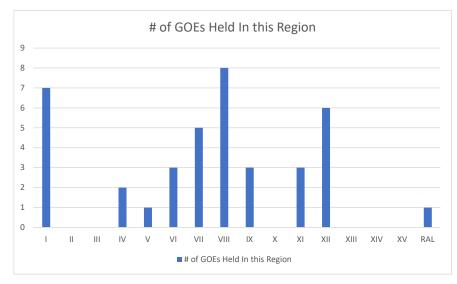
	Number of			
SY23-24 SUMMARY	Attendees		Number of in-	Number of virtual
TOTALS (to date):	(ASHRAE Members)	Number of Meetings	person Meetings	meetings
Local	67	10	9	1
State	45	35	30	5
Federal	0	0	0	0
Global	35	6	6	0
TOTAL:	147	51	45	6

In Comparison

in Comparison				
SY22-23 SUMMARY	Number of			
TOTALS:	Attendees			
			Number of in-	Number of virtual
	(ASHRAE Members)	Number of Meetings	person Meetings	meetings
State	189	172	154	18
Federal	75	44	15	29
Local	10	10	9	1
Global	257	247	42	5
TOTAL:	531	273	220	53

**Regional Comparisons** 

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



# ASHRAE Government Affairs Committee 2025 Winter Meeting Regional Vice Chair Reports For Presentation at the 2025 February 7th Government Affairs Committee Meeting

# 2025 Winter Conference



**Government Affairs – RVC Report** 

# RVC Bio:

William Fisher
Dover, New Hampshire
New England

Region 1 RVC of Government Affairs 2023-2026
Chapter President 2023-2024 (Golden Gavel)
President-Elect 2022-2023
Chapter Administrator 2022-2023, 2023-2024
Research Promotion 2022-2023
Chapter Administrator 2022-2023
Vice President 2021-2022
Technology Transfer Chair 2021-2022
Co-Chair 2022-2023
Treasurer 2020-2021
Government Affairs Chair Spring 2019-2022
Board of Governors 2019-2021, 2024-2026

TC
2.10 Resilience and Security
6.01 Hydronic & Steam Equipment
6.02 District Energy
8.11 Unitary & Room Air Conditioners & Heat Pumps



## **Member States**

- Connecticut
- Massachusetts
- Maine
- New Hampshire
- New Jersey
- New York
- Rhode Island
- Vermont





# 2023-2024 Regional PAOE Summary

Chapter #	Chapter Name	Chapter AAM	Minimum 500; Par 1250
1	Boston	986	7650
3	Rhode Island	87	350
4	Connecticut	437	1450
6	Long Island	272	1950
7	New Jersey	543	150
8	New York	929	1700
9	Northeast	296	50
10	Central New York	225	250
11	Rochester	265	700
12	Niagara Frontier	189	0
111	Champlain Valley	125	500
118	Maine	180	1500
129	Twin Tiers	96	1300
146	Bi-State	199	0
152	Granite State	152	500





# 2024-2025 Regional PAOE Summary

Chapter #	Chapter Name	Chapter AAM	Minimum 500; Par 1250
1	Boston	986	800
3	Rhode Island	87	0
4	Connecticut	437	50
6	Long Island	272	1300
7	New Jersey	543	0
8	New York	929	0
9	Northeast	296	0
10	Central New York	225	0
11	Rochester	265	300
12	Niagara Frontier	189	0
111	Champlain Valley	125	0
118	Maine	180	0
129	Twin Tiers	96	550
146	Bi-State	199	0
152	Granite State	152	1450



# Strategic Objectives

## **Regional Goals**

- Expand ASHRAE's Presence: Organize outreach events and networking opportunities to enhance ASHRAE's awareness among city and state officials throughout the region.
- Strengthen Relationships: Foster and expand relationships with city and state entities and officials across the region.
- Inform Members: Keep ASHRAE members informed about significant legislation, code updates, and standards changes.
- Promote the ASHRAE Brand: Actively promote the ASHRAE brand to city and state entities and members across the region to maximize visibility and influence.

## **Primary RVC Goals**

- Establish a quarterly GAC call open to all Region 1 committee members
- Arrange the promotion of ASHRAE Certificates in all chapter newsletters
- Continue to support New England Chapters
- Expand my involvement in NJ and NY chapters
- Attend quarterly meetings with NYSERDA & NY State



## Regional Challenges

- ➤ Committee and Leadership Challenges
  - Lack of committee members to support the chair.
  - Developing a committee to support the chair is essential to prevent dependence on a single individual.
  - Very few GAC Chairs have GAC experience.
  - Few chapters have long-standing relationships with policy-makers.
  - Varying degrees of government relationships across the region.
- > Fast-Changing Technological and Political Landscape
  - Refrigerant Transitions
  - Decarbonization
  - IAQ focus for schools

## **RVC Lessons Learned**

- > Enhance Communication Among Chapter Chairs
  - Frequent communication allows for regional alignment and shared guidance.
  - This facilitates continuity if a chair leaves, as knowledge is shared.
- > Improve Follow-Up
  - Better focus on consistent follow-up, not just immediately after meetings.
- Collaborate more with Jacob
  - Work more closely on policy/legislation commenting, bill tracking, and testimonies.

















## Lessons Learned

- Organized & Motivated Chairs
- Build A Team
  - Promote Involvement
  - Present Chapter Chapter Board, Officers, membership
- Write Articles/Updates Newsletter and/or LinkedIn
- Cross Pollinate Chapter's
- Work with Jacob Karson as often as you can



## 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

RVC Report for Region 2	
ACTIVITY	
CRC	
Total number of chapters in region	9
Number of chapters present	8
Number of GA chapter chairs present	6
Percentage of participation	88%
Percentage of GA chapter chair participation	66%
No. of planning sessions held	5
PAOE	
No. of Chapters Reporting PAOE Points:	5
No. of Chapters Making Society Minimum:	2
No. of Chapters Making Society PAR:	1
Highest PAOE Points by a Chapter:	1000
Percentage of chapters reporting	55%
Percentage of chapters making Society Minimum	55%
Percentage of chapters making Society PAR	11%
CHAPTER VISITS	
No. of visits made:	0
No. of visits scheduled:	2
Percentage of chapters visited:	0%
GAC AWARDS	
Government. Affairs Award	No nominations known
<b>Government Outreach Days</b>	
No. of Chapters Participating	4
No. of government officials visited	4
No. of ASHRAE members participating	12
No. of Chapters reporting	4
No. of days duration	9



# Region II GA Update



Adrianne Mitani – Region II RVC (SY '24-'25) Global Affairs & Public Policy Sub-Committees Orlando February 2025

# Chapter Status

Chapter	CRC	Planning	RVC Visit	PAOE (Par = 1000)	Meetings Held
Windsor	Υ	N		0	0
London	Υ	N		450	1
Hamilton	Υ	Y		900	0
Toronto		Υ		0	0
Ottawa	Υ	Y		400	0
Montreal	Υ	N		0	2
Quebec		Y		1000	3
Halifax		Υ		300	3
NB / PEI	Υ	N		0	0



# Accomplishments

- Many chapters are having chapter meetings on GA topics and inviting officials
- Participated in Sub Committees (Global Affairs and Public Policy)
  - Works on SME task team for GOE program
- Administrative
  - Some chapters submitting initial year plan
  - Monthly RVC email update with action items



## Chapters / Meetings

- Quebec & Montreal joint meeting with 3 officials at Hydro Quebec
- Halifax presented at NS Building Officials Conference (NSBOA) on Standards referenced in building code
  - GAC themed dinner meeting
- Hamilton had GA themed dinner meeting with GA topic
  - Hamilton met with Minister of Health to talk about ASHRAE Std 241



## Goals for 2025

- RVC visits to 2-3 chapters
- Canada Day on the Hill planning
- Support chapters with government outreach events



## 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 III** 

ACTIVITY	<b>REGION III – GAC Report January 2025</b>
CRC	
Total number of chapters in region	11
Number of chapters present	6
Number of GA chapter chairs present	4
Percentage of participation	55%
Percentage of GA chapter chair participation	36%
No. of planning sessions held	7
PAOE	
No. of Chapters Reporting PAOE Points:	7
No. of Chapters Making Society Minimum:	2
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	900
Percentage of chapters reporting	64%
Percentage of chapters making Society Minimum	18%
Percentage of chapters making Society PAR	0%
CHAPTER VISITS	
No. of visits made:	1
No. of visits scheduled:	6
Percentage of chapters visited:	9%
GAC AWARDS	
Government. Affairs Award	
<b>Government Outreach Days</b>	
No. of Chapters Participating	2
No. of government officials visited	2
No. of ASHRAE members participating	4
No. of Chapters reporting	1
No. of days duration	1



# ASHRAE Region III

Government Affairs Winter 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 Winter 2024/2025

ACTIVITY	REGION III — GAC Report January 2025
CRC	
Total number of chapters in region	11
Number of chapters present	6
Number of GA chapter chairs present	4
Percentage of participation	55%
Percentage of GA chapter chair participation	36%
No. of planning sessions held	7
PAOE	
No. of Chapters Reporting PAOE Points:	7
No. of Chapters Making Society Minimum :	2
No. of Chapters Making Society PAR :	0
Highest PAOE Points by a Chapter:	900
Percentage of chapters reporting	64%
Percentage of chapters making Society Minimum	18%
Percentage of chapters making Society PAR	0%

ACTIVITY	REGION III — GAC Report January 2025
CHAPTER VISITS	
No. of visits made:	1
No. of visits scheduled:	6
Percentage of chapters visited:	9%
GAC AWARDS	
Government. Affairs Award	
Government Outreach Days	
No. of Chapters Participating	2
No. of government officials visited	2
No. of ASHRAE members participating	4
No. of Chapters reporting	1
No. of days duration	1



## Regional Accomplishments

- Increased communication within the Region on Localized Activities
- Participated in Member Mobilization and Policy & Programs Sub-Committees
- Worked to fill 2 additional GA Chair roles within Chapters
- Connected affiliated organizations to ASHRAE to pair common goals (ASPE, ASME)
- Established localized connections within region (Philadelphia)
- National Engineers Week Activities



## In-Work Activities

- "Day on the Hill" Activities
  - Pennsylvania
  - Virginia
  - Maryland
- Outreach to new PA Senate and House Representation
- City of Baltimore
- NAVFAC Outreach
- Coaching Chapters without GA Chairs



## 2024/2025 Goals Status

- (3) Day on the Hill Activities
  - Pennsylvania
  - Maryland
  - Virginia
- (1) DC-Based Activity
  - Activity based on local codes proposed
- (3) Major City Based Activities [Philadelphia, Pittsburg, Allentown, etc.]
  - Allentown
  - Philadelphia
  - TBD



## Mid-Year Lessons Learned

- Many chapters within region are struggling to fill chair positions
- Change in federal has changed participation
- More work in build to base resources needed than initially realized



#### 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 4** 

RVC Report for Region 4  ACTIVITY	
CRC	
Total number of chapters in region	7
Number of chapters present	6
Number of GA chapter chairs present	6
Percentage of participation (vs 57%)	86%
Percentage of GA chapter chair	
participation	86%
No. of planning sessions held (vs 6)	6
PAOE	
No. of Chapters Reporting PAOE Points	: 7
No. of Chapters Making Society Minimu	ım: 2
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter: (vs 1500)	1025
Percentage of chapters reporting: (vs 100%)	100%
Percentage of chapters making Society Minimum (vs 14%)	29%
Percentage of chapters making	
Society PAR	0%
CHAPTER VISITS	
No. of visits made:	0
No. of visits scheduled:	2
Percentage of chapters visited:	0%
GAC AWARDS	
Government. Affairs Award 1 sub	mitted
<b>Government Outreach Days</b>	
No. of Chapters Participating	2
No. of government officials visited	7
No. of ASHRAE members participating	3

No. of Chapters reporting	2
No. of days duration	2



# ASHRAE 2025 Winter Conference Orlando, Florida February 7th, 2025

**Government Affairs Update** 



GAC: Region IV Report

Weston Hockaday, GAC RVC



## Region IV Overview







## Our Team

## ASHRAE REGION IV 2024-2025 GAC CRC TEAM

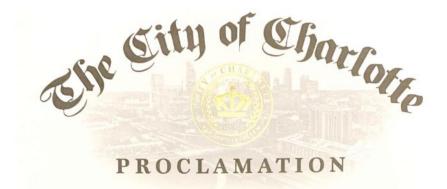
GAC ROSTER

UPDATED 7/31/24			
NAME	CHAPTER/POSITION	PHONE	EMAIL
Billy Austin	South Piedmont / GAC Chair	704.618.1959	baustin@shultzeg.com
Pete Conroy	Charleston / GAC Chair	843.818.8062	petec@jmpco.com
Chris Norwood	Triangle / GAC Chair	919.845.1960	chrisn@jmpco.com
Michael Davis	Triangle / GAC Chair	919.619.4311	mike.davis@hbtech.com
Weston Hockaday	Triangle / GAC RVC	919.524.3668	whockaday@dewberry.com
James Guignard	South Carolina GAC Chair	803.920.1690	perrin.guignard@jci.com
Sam Harvey	Atlanta / GAC Chair	470-210-6302	sharvey@mingledorffs.com
Matthew Morganti	North Piedmont / GAC Chair	336-316-8000	matthew.morganti@heattransfersales.com
		864-268-1803	
Jim Ridenhour	Greenville / GAC Chair	(text) 864-434-1416	jfridenhour@yahoo.com
Rodney Hinton	Greenville / GAC Chair	864.303.5722	rhinton@palmettoairbalance.com
Haylee deWeerdt	Atlanta / GAC Co-chair	812.350.8071	haylee.deweerdt@jci.com
Colby Suits	North Piedmont / GAC Chair		colby.suits@bradyservices.com





## Special Mention Activities



WHEREAS, ASHRAE (The American Society of Heating, Refrigerating, and Air Conditioning Engineers) (www.ashrae.org) is an international engineering society whose mission is "To serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields"; and

WHEREAS, on Thursday, February 23, 2025, the local Charlotte Chapter of ASHRAE (called the Southern Piedmont Chapter), represented by Chapter President Erica Powell, will make an official local announcement at its monthly chapter meeting; and

WHEREAS, every February, engineers around the world celebrate National Engineers Week; National Engineers Week was founded by the National Society of Professional Engineers in 1951 and is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers:

NOW, THEREFORE, I, Vi Alexander Lyles, Mayor of Charlotte, do hereby proclaim the week of February 16 -22, 2025 as

#### "NATIONAL ENGINEERS WEEK"

in Charlotte and commend its observance to all citizens.

WITNESS MY HAND and the official Seal of the City of Charlotte.









## Special Mention Activities

- Wake County GSA Wake County Energy Advisory Commission
  - Ginger Scoggins presented and discussed the design and technologies utilized for the ASHRAE Headquarters to the Wake County Energy Advisory Commission on Tuesday December 10, 2024. The purpose was to share the techniques and technologies implemented for the facility as these may be useful in advancing Wake County Governments new and renovation projects towards net energy and carbon neutral.





## Special Mention Activities

- Combined CRC Training and MBO Planning Sessions
  - Efficient use of volunteer's time
- Incorporating ASHRAE staff into planning meetings
  - Critical for connectivity and they are essential staff to sustaining activity.







## CRC and PAOE Status

PAOE Point Summary									
As of 1/24/25									
			PAOE Points						
			Reported						
Chapter	Attended CRC	MBO Goals Meeting	(min=500; par 1250)						
Atlanta	YES	YES	250						
Charleston	YES	YES	250						
Greenville	YES	YES	200						
North Piedmont	No	No	0						
Southern Piedmont	YES	YES	1025						
South Carolina	YES	YES	250						
Triangle	YES	YES	750						







## 2025 Outlook

- Improving Meaningful Government Outreach
   Events Day on the Hill all 3 states
  - NC DOTH Scheduled for 5/14/25
  - SC DOTH Scheduled for 4/30/25
  - GA DOTH Scheduled for 2/26/25
- Continue to Develop Local Level Contacts: City, County, and Schools.
- Increase Chapter Level Engagement with Joint & GAC Theme Meetings & GAC RVC Chapter Visits
  - February Triangle Chapter
  - March Southern Piedmont
- Take pictures at events.





## End of Report





#### 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 – February 2025** 

ACTIVITY	Univ - Pebruary 2023					
CRC	July 26-27, 2024 (Cincinnati, OH)					
Total number of chapters in region:	13					
Number of chapters present:	13					
Number of GA chapter chairs present:	3 (Cincinnati, Cleveland, Central IN)					
Percentage of participation:	100%					
Percentage of GA chapter chair participation:	23%					
No. of planning sessions held:	4					
PAOE						
No. of Chapters Reporting PAOE Points:	5 (Cincinnati, Cleveland, Ft. Wayne, Central IN, W. Mich)					
No. of Chapters Making Society Minimum:	1 (Cincinnati)					
No. of Chapters Making Society PAR:	0					
Highest PAOE Points by a Chapter:	550 (Cincinnati)					
Percentage of chapters reporting:	38%					
Percentage of chapters making Society Minimum:	8%					
Percentage of chapters making Society PAR:	0%					
CHAPTER VISITS						
No. of visits made: 0	0					
No. of visits scheduled:	3 Planned (Indy, Columbus, W MI)					
Percentage of chapters visited:	23%					
GAC AWARDS						
Government. Affairs Award:	None					
Government Outreach Days						
No. of Chapters Participating: TBD	TBD					
No. of government officials visited: TBD	TBD					
No. of ASHRAE members participating: TBD	TBD					
No. of Chapters reporting: TBD	TBD					
No. of days duration: 2 planned	2 Planned					

#### 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							
CRC							
Total number of chapters in region	11						
Number of chapters present	10						
Number of GA chapter chairs present	9						
Percentage of participation	91%						
Percentage of GA chapter chair participation	82%						
No. of planning sessions held							
PAOE							
No. of Chapters Reporting PAOE Points:	0						
No. of Chapters Making Society Minimum:	0						
No. of Chapters Making Society PAR:	0						
Highest PAOE Points by a Chapter:	0						
Percentage of chapters reporting	0%						
Percentage of chapters making Society Minimum	0%						
Percentage of chapters making Society PAR	0%						
CHAPTER VISITS							
No. of visits made:	0						
No. of visits scheduled:	0						
Percentage of chapters visited:	0%						
GAC AWARDS							
Government. Affairs Award	No						
Government Outreach Days							
No. of Chapters Participating	8						
No. of government officials visited	0						
No. of ASHRAE members participating	0						
No. of Chapters reporting	8						
No. of days duration 3							

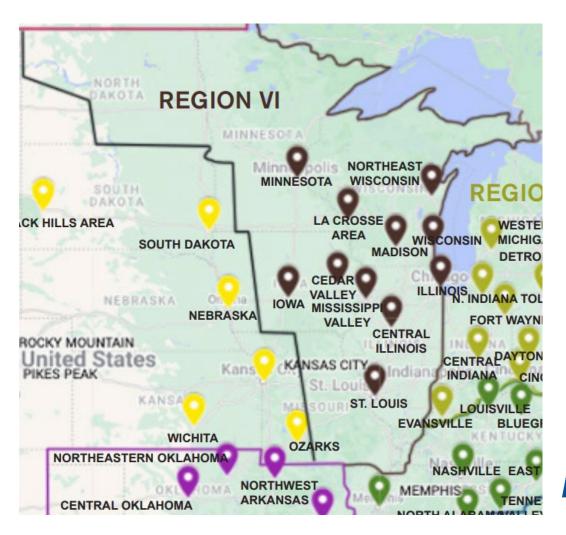


# Government Affairs Region VI

2024-2025 ASHRAE
Winter Conference Update

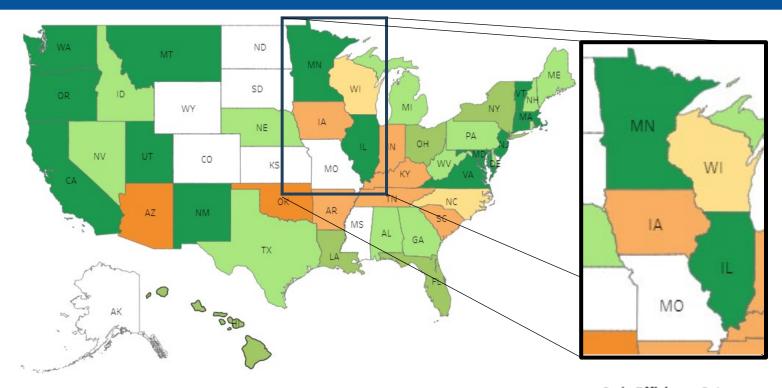
## Government Affairs Committee Chairs

- Cedar Valley: Ryan Collins
- Illinois Chicago: Cory Abramowicz
- Illinois Central: Elizabeth Blankenship
- lowa: Matt Jesson
- Mississippi Valley: Allen Poppe
- Minnesota: Brian Freeman
- Wisconsin La Crosse: [Open position]
- Wisconsin Madison: Jason Boatman
- Wisconsin Milwaukee: Victor Niño
- Wisconsin Northeast: Eric Erdman





## Status Commercial Building Code



https://www.energycodes.gov/state-portal

# Code Efficiency Category 90.1-2019 90.1-2016 90.1-2013 90.1-2010 90.1-2007 <90.1-2007 No statewide code

#### Illinois & Minnesota:

 Adopted code equivalent to ASHRAE 90.1-2019.

#### Wisconsin:

- DSPS (Wisconsin gov. agency) proposed adoption of v2019 in 2022.
- Lawmakers blocked update (administrative rule) in 2023.
- Wisconsin gov. sued lawmakers on rejecting several administrative rules. Case in review by Wisconsin Supreme Court.



## Regional Updates

- Cedar Valley
- Illinois Chicago
- Illinois Central
- lowa
- Mississippi Valley
- Minnesota
- Wisconsin Madison
- Wisconsin Milwaukee
- Wisconsin Northeast

#### • Wisconsin:

- Day on the Hill planned in March.
- Milwaukee: Benchmarking ordinance passed.
- Next step: Building Performance Standards (ASHRAE 100).
- ASHRAE 90.1 training to building inspectors.

#### Minnesota:

- Day on the Hill planned in March.
- ASHRAE 100 in state bill and into law. Process stagnant, waiting for special elections.

#### • Illinois:

- Coordinating with AIA and other Illinois chapters a Day on the Hill.
- Test & balance, and ventilation codes training to building inspectors.

#### • lowa:

• Planning a Day on the Hill in Iowa.



### **2024-25 RVC Report for Region VII**

RVC: Douglas Cage, PE

25-Jan-2025

CRC (Jan 2025) (July 2023)  Total number of chapters in region 14 14 14 14 14 15 Number of chapters present 14 13 15 Number of GA chapter chairs present 8 7 Percentage of participation 100% 93% Percentage of GA chapter chair participation 57% 50% No. of planning sessions held 11 5 5	ACTIVITY	2024-25	2023-24
Number of chapters present1413Number of GA chapter chairs present87Percentage of participation100%93%Percentage of GA chapter chair participation57%50%No. of planning sessions held115PAOENo. of Chapters Reporting PAOE Points:1311No. of Chapters Making Society Minimum:39No. of Chapters Making Society PAR:14Highest PAOE Points by a Chapter:13502850Percentage of chapters reporting93%79%Percentage of chapters making Society Minimum21%64%Percentage of chapters making Society PAR7%29%CHAPTER VISITSNo. of visits made:012No. of visits scheduled:1414Percentage of chapters visited:0%86%GAC AWARDSGovernment. Affairs Award00Government Outreach DaysNo. of Chapters Participating33No. of government officials visited622	CRC	(Jan 2025)	(July 2023)
Number of GA chapter chairs present 8 7 Percentage of participation 100% 93% Percentage of GA chapter chair participation 57% 50% No. of planning sessions held 11 5  PAOE  No. of Chapters Reporting PAOE Points: 13 11 No. of Chapters Making Society Minimum: 3 9 No. of Chapters Making Society PAR: 1 4 Highest PAOE Points by a Chapter: 1350 2850 Percentage of chapters reporting 93% 79% Percentage of chapters making Society Minimum 21% 64% Percentage of chapters making Society PAR 7% 29%  CHAPTER VISITS  No. of visits made: 0 12 No. of visits scheduled: 14 14 Percentage of chapters visited: 0% 86%  GAC AWARDS  Government Outreach Days No. of Chapters Participating 3 3 No. of government officials visited 6 22	Total number of chapters in region	14	14
Percentage of participation Percentage of GA chapter chair participation No. of planning sessions held 11 5  PAOE No. of Chapters Reporting PAOE Points: No. of Chapters Making Society Minimum: No. of Chapters Making Society PAR: Highest PAOE Points by a Chapter: Percentage of chapters reporting Percentage of chapters making Society Minimum Percentage of chapters making Society Minimum Percentage of chapters making Society PAR  CHAPTER VISITS No. of visits made: No. of visits scheduled: Percentage of chapters visited:  GAC AWARDS Government Affairs Award  O  Government Outreach Days No. of government officials visited 6 22	Number of chapters present	14	13
Percentage of GA chapter chair participation No. of planning sessions held  PAOE  No. of Chapters Reporting PAOE Points: No. of Chapters Making Society Minimum: No. of Chapters Making Society PAR: Highest PAOE Points by a Chapter: Highest PAOE Points by a Chapter: Percentage of chapters reporting Percentage of chapters making Society Minimum Percentage of chapters making Society Minimum Percentage of chapters making Society PAR  CHAPTER VISITS No. of visits made: No. of visits scheduled: No. of visits scheduled: Percentage of chapters visited:  GAC AWARDS Government Affairs Award  O  Government Outreach Days No. of Chapters Participating No. of government officials visited  6  22	Number of GA chapter chairs present	8	7
No. of planning sessions held  PAOE  No. of Chapters Reporting PAOE Points:  No. of Chapters Making Society Minimum:  No. of Chapters Making Society PAR:  Highest PAOE Points by a Chapter:  Percentage of chapters reporting  Percentage of chapters making Society Minimum  Percentage of chapters making Society Minimum  Percentage of chapters making Society PAR  Percentage of chapters making Society PAR  Percentage of chapters waking Society PAR  No. of visits made:  No. of visits scheduled:  No. of visits scheduled:  Percentage of chapters visited:  O%  RACAWARDS  Government. Affairs Award  O  O  Government Outreach Days  No. of Chapters Participating  No. of government officials visited  6  22	Percentage of participation	100%	93%
PAOE  No. of Chapters Reporting PAOE Points: 13 11  No. of Chapters Making Society Minimum: 3 9  No. of Chapters Making Society PAR: 1 4  Highest PAOE Points by a Chapter: 1350 2850  Percentage of chapters reporting 93% 79%  Percentage of chapters making Society Minimum 21% 64%  Percentage of chapters making Society PAR 7% 29%  CHAPTER VISITS  No. of visits made: 0 12  No. of visits scheduled: 14 14  Percentage of chapters visited: 0% 86%  GAC AWARDS  Government. Affairs Award 0 0  Government Outreach Days  No. of Chapters Participating 3 3  No. of government officials visited 6 22	Percentage of GA chapter chair participation	57%	50%
No. of Chapters Reporting PAOE Points:  No. of Chapters Making Society Minimum:  No. of Chapters Making Society PAR:  Highest PAOE Points by a Chapter:  Percentage of chapters reporting  Percentage of chapters making Society Minimum  Percentage of chapters making Society Minimum  Percentage of chapters making Society PAR  CHAPTER VISITS  No. of visits made:  No. of visits scheduled:  No. of visits scheduled:  Percentage of chapters visited:  O  Sovernment. Affairs Award  O  O  Government Outreach Days  No. of Chapters Participating  No. of government officials visited  6 22	No. of planning sessions held	11	5
No. of Chapters Making Society Minimum:  No. of Chapters Making Society PAR:  Highest PAOE Points by a Chapter:  Percentage of chapters reporting  Percentage of chapters making Society Minimum  Percentage of chapters making Society Minimum  Percentage of chapters making Society PAR  CHAPTER VISITS  No. of visits made:  No. of visits scheduled:  No. of visits scheduled:  Percentage of chapters visited:  O  GAC AWARDS  Government. Affairs Award  O  O  Government Outreach Days  No. of Chapters Participating  No. of government officials visited  6  22	PAOE		
No. of Chapters Making Society PAR:  Highest PAOE Points by a Chapter:  Percentage of chapters reporting  Percentage of chapters making Society Minimum  Percentage of chapters making Society PAR  Percentage of chapters making Society PAR  Percentage of chapters making Society PAR  Percentage of chapters wisited:  No. of visits made:  No. of visits scheduled:  No. of visits scheduled:  Percentage of chapters visited:  No. of Chapters visited:  Owwermment. Affairs Award  Oo  Government Outreach Days  No. of Chapters Participating  No. of government officials visited  6 22	No. of Chapters Reporting PAOE Points:	13	11
Highest PAOE Points by a Chapter: 1350 2850 Percentage of chapters reporting 93% 79% Percentage of chapters making Society Minimum 21% 64% Percentage of chapters making Society PAR 7% 29%  CHAPTER VISITS No. of visits made: 0 12 No. of visits scheduled: 14 14 Percentage of chapters visited: 0% 86%  GAC AWARDS Government. Affairs Award 0 0  Government Outreach Days No. of Chapters Participating 3 3 No. of government officials visited 6 22	No. of Chapters Making Society Minimum:	3	9
Percentage of chapters reporting Percentage of chapters making Society Minimum Percentage of chapters making Society PAR  CHAPTER VISITS No. of visits made: No. of visits scheduled: No. of visits scheduled: Percentage of chapters visited:  GAC AWARDS Government. Affairs Award  O  O  Government Outreach Days No. of Chapters Participating No. of government officials visited  6  22	No. of Chapters Making Society PAR:	1	4
Percentage of chapters making Society Minimum Percentage of chapters making Society PAR Percentage of chapters making Society PAR Percentage of chapters making Society PAR  CHAPTER VISITS No. of visits made:  No. of visits scheduled:  No. of Chapters visited:  No. of Chapters Award  No. of Chapters Participating No. of government officials visited  No. of government officials visited  No. of government officials visited	Highest PAOE Points by a Chapter:	1350	2850
Percentage of chapters making Society PAR 7% 29%  CHAPTER VISITS  No. of visits made: 0 12  No. of visits scheduled: 14 14  Percentage of chapters visited: 0% 86%  GAC AWARDS  Government. Affairs Award 0 0  Government Outreach Days  No. of Chapters Participating 3 3  No. of government officials visited 6 22	Percentage of chapters reporting	93%	79%
CHAPTER VISITS  No. of visits made:  No. of visits scheduled:  No. of visits scheduled:  No. of visits scheduled:  14 14  Percentage of chapters visited:  0% 86%  GAC AWARDS  Government. Affairs Award  0 0  Government Outreach Days  No. of Chapters Participating  No. of government officials visited  6 22	Percentage of chapters making Society Minimum	21%	64%
No. of visits made:  No. of visits scheduled:  No. of visits scheduled:  Percentage of chapters visited:   GAC AWARDS  Government. Affairs Award  O  Government Outreach Days  No. of Chapters Participating  No. of government officials visited  O  12  14  14  14  16  26  86%	Percentage of chapters making Society PAR	7%	29%
No. of visits made:  No. of visits scheduled:  No. of visits scheduled:  Percentage of chapters visited:   GAC AWARDS  Government. Affairs Award  O  Government Outreach Days  No. of Chapters Participating  No. of government officials visited  O  12  14  14  14  16  26  86%			
No. of visits scheduled: 14 14 Percentage of chapters visited: 0% 86%  GAC AWARDS Government. Affairs Award 0 0  Government Outreach Days No. of Chapters Participating 3 3 No. of government officials visited 6 22			
Percentage of chapters visited:  GAC AWARDS Government. Affairs Award  O  Government Outreach Days  No. of Chapters Participating  No. of government officials visited  O  86%			
GAC AWARDS Government. Affairs Award  Government Outreach Days  No. of Chapters Participating  No. of government officials visited  GAC AWARDS  0 0 0 0 6 22			
Government. Affairs Award 0 0  Government Outreach Days  No. of Chapters Participating 3 3  No. of government officials visited 6 22	Percentage of chapters visited:	0%	86%
Government. Affairs Award 0 0  Government Outreach Days  No. of Chapters Participating 3 3  No. of government officials visited 6 22			
Government Outreach DaysNo. of Chapters Participating33No. of government officials visited622		_	-
No. of Chapters Participating33No. of government officials visited622	Government. Affairs Award	0	0
No. of government officials visited 6 22	<b>Government Outreach Days</b>		
-	No. of Chapters Participating	3	3
No. of ASHBAE members participating	No. of government officials visited	6	22
No. of Ashrae members participating	No. of ASHRAE members participating	6	10
No. of Chapters reporting 3 3	No. of Chapters reporting	3	3
No. of days duration 4 15	No. of days duration	4	15





## Region VII GA RVC

Douglas Cage, PE GPCP ERYT Senior Engineer / Group Lead Mason & Hanger – Lexington, KY ASHRAE circa 1996 Sophomore RVC



# RVC Report – Region VII

#### 2024-25 RVC Report for Region VII RVC: Douglas Cage, PE 25-Jan-2025 ACTIVITY 2024-25 2023-24 CRC (July 2023) Total number of chapters in region 14 14 13 Number of chapters present 14 Number of GA chapter chairs present 7 Percentage of participation 100% 93% 57% 50% Percentage of GA chapter chair participation No. of planning sessions held 11 5 PAOE No. of Chapters Reporting PAOE Points: 13 11 No. of Chapters Making Society Minimum: 3 9 No. of Chapters Making Society PAR: 4 Highest PAOE Points by a Chapter: 1350 2850 93% 79% Percentage of chapters reporting 21% 64% Percentage of chapters making Society Minimum Percentage of chapters making Society PAR 7% 29% CHAPTER VISITS No. of visits made: 0 12 14 14 No. of visits scheduled: Percentage of chapters visited: **GAC AWARDS** Government, Affairs Award **Government Outreach Days** 3 No. of Chapters Participating 22 No. of government officials visited No. of ASHRAE members participating 10 3 No. of Chapters reporting 15 No. of days duration





## PAOE

### SY2425 RegionVII GAC PAOE Metrics (Details)

(as of 21Jan2025)

3										,					ı			,		
	F	미		time		su	bs				meetin	gs					RVC			
max	500	300	150	100	50	300	250	200	200	200	200	200	400	600	150	no limit	200	100	300	4400
Chapter	GA1	GA2	GA3	GA4	GA5	GA6	GA7	GA8	GA9	GA10	GA11	GA12	GA13	GA14	GA15	GA16	GA17	GA18	GA19	totals
BLUEGRASS	50	100	50		50		200		200	50			300		150	100	100	100		1450
NASHVILLE	200		50		50		150			50					150	200	100	100		1050
LOUISVILLE			50		50		200								150			100		550
BIRMINGHAM			50		50										50		100	100		350
WEST VIRGINIA															150			100		250
EAST TENNESSEE															150			100		250
MISSISSIPPI																	100	100		200
MOBILE																	100	100		200
MEMPHIS																	100	50		150
NORTHWEST FLORIDA	4														50			100		150
NEW ORLEANS																	100			100
TENNESSEE VALLEY															50			50		100
NORTH ALABAMA																	100			100
BATON ROUGE																				
REGION	250	100	200		200		550		200	100			300		900	300	800	1000		4900
	theme	decarb	comm	train	cttc	award	article	joint	engwk	cert	gov official	ga topic	public	legislation	CRC	contacts	issues	MBOset	MBOmet	

## Chapter Activities / Issues

#### Birmingham (Ben Sellers)

- Personal issues in October--now in catch-up mode.
- Developing list of government employees within Chapter.
- Started adding newsletter articles with more to come.

#### Bluegrass (Derek Rowe)

- HBC Advisory Committee Code Update Task Force
- Booth for Engineer's Day @ University of Kentucky
- I've had several key conversations with our inspectors (Boiler and HVAC) on the new refrigeration code and ASHRAE 15. I've given them white papers on understanding ASHRAE's perspective on this and how it affects our systems along with the environment.
- Attending the monthly building committee meeting if my time allows.
- Our local government in Lexington also contacted our chapter to be a part of Technical focus group of stationary energy and to help make our city a better place to live aiding in overall energy and pollution.
- Day on the Hill which includes sitting in our bills of action and offering our assistance to our state officials for resources on behalf of bluegrass ASHRAE

#### Memphis (Mike Bilderbeck)

 Had conversation with the Fire Marshall of the city of Cape Girardeau, MO. Topic was surprising differences between the IMC and the IFC

#### Mississippi (KP Peoples - Pres)

- Get involved with Engineer's Week at one of the local universities this spring. It will most likely be Mississippi State University. Ryan is part of ERG (Engineering Resource Group) and they do a lot of work for this university already.
- We won't be able to do a chapter meeting with a code official this fiscal year, but maybe in the Fall.
- I followed up with one of our ".gov" members at our last meeting. I plan to set up a meeting with him and explain how this benefits our chapter.

#### Mobile (Jacob Harkins)

- Added our CTTC chair (Beth Sellers) to the GAC
- Scheduled a chapter meeting regarding decarbonization for this May

#### Nashville (Jim Murphy)

- Alan Parker PE was the speaker at our October chapter meeting (See attachment).
- Nov 7th meeting with Gov Bill Lee, Dennis Knight, Scott Peach, Ben Buckner, and myself (photo attached). This visit was featured in the recent National GA newsletter.
- GA articles in our October and November Nashville chapter newsletter. You should have those copies.
- I submitted the contact information to national on the Alan Parker October meeting. You should have also received a copy.
- Still need to submit contact info on the Gov Bill Lee visit. z

#### New Orleans (Jacob Alter)

- New Orleans has been working with AIA NOLA COTE (committee on the environment) to help
  the city of New Orleans Department of Safety and Permits steam line the energy code
  compliance documentation.
- The New Orleans Chapter has submitted for a request a proclamation for Engineer's Week to our Governor.

#### North Alabama (Nick lannuzzi - Pres)

• GA Chair quit in fall - President struggling to build committee



## **MBOs**

- ☐ Facilitate Code & Standard Adoptions
  > 90.1 Evolution to KY Task Force
- ☐ Outreach to Chapter Chairs/Presidents

  ➤ Office Hours (Teams), Cold Calls

  ➤ Raise Awareness of GA Mission
  - - - **□ PAOE Template**

log	short description	forgef	egrned	available	max	progress/notes
dental	Initiatives					W
GA1	Pres Initiatives topic discussed w/government official			50	500	
GA2	DeCarb discussed					
	of Time			1000	10000	
	GA committee with two members	100		50	150	Austin Fackler, Chris Tyler, Zak McKinney (add government employee for +50pts)
GA4	GA training for offices & future leaders	50		50	100	
GA5	CTIC Chair on GA committee	50		50	50	Abby Hoovier
				100000	122.00	
	rbmission Activities					
	society or regional GA award entry			100	300	
GA6	newsletter articles			50	250	femized below
1000	323, 33, 03, 03, 03, 03, 03, 03, 03, 03, 0	50		50.00		Sep- 23
		50				Nov-23
		50				Jon-23
		50				Mar-23
		50				May-23
	resentations, or Events					
GA7	oint chapter meeting w/govt entity	100	_	100	200	1 (9)(19)(1)
GA8	national engineer's week (or other equal) activity	200	_	100	200	Itemized below
			_			Professional Engineer's Day (3Aug2022) - social media postings
			_	_		SOct 2022 Energy Efficiency Day Proclamation - Lexington KY
			_			20-25Feb2023 Engineer's Week - social media, Lexington proclamation
			_			29Feb2023 Engineer's Day event at University of Kentucky - Chapter booth reserved
			_		-	World Engineering Day (24Mar2023) - social media
GAP	ashrae certification ad in govt newsletter	100	_	50	200	ideas on newslettes?
3A10	ga chapter program (45min)	100	-	50	200	Two programs targeting GA issues
			_	_		Climate Change and Decarbonization (Colliver DL)
5A11			_	100	400	Code Enforcement
	Chapter member presenting astrose at public meeting			200		to a comment and a comment of the co
3A12	member legislation sponsored local or state		_	200	600	unaware of any membership participation in legislation
lonal		11000	_	_		
GA13	CRC workshop attendance	150	1	50-150	150	Affended Workshop
	documented personal contact w/govt official	100		50-100	130	X Documented Contacts
	local issues reports	200		100	200	January and May - emails to self
	planning/good setting with RVC	100		50-100	100	Discussed during CRC, follow up on 295ep via email
	achieving gods	300		10-300	300	SCHOOLSEC MET 18 SCHOOL SECSON SECSON ROUGH TO CHINE
201.11	DE-110-11-16-2-3-0-01					
	fotot	1800	0		3900	<del>'</del>
	min:	500				
	por	1000				
	-	1000				
URCES						
://energy	ashrae.org/about/government-affairs/member-resources-advocacy-toolkit					
://wbona	org/wa-content/uploads/2021/05/21VBCOA, Directory, Complete pdf					

#### 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 2025
CRC	
Total number of chapters in region	15
Number of chapters present	15
Number of GA chapter chairs present	13
Percentage of participation	50%
Percentage of GA chapter chair participation	70%
No. of planning sessions held	6
PAOE	
No. of Chapters Reporting PAOE Points:	6
No. of Chapters Making Society Minimum :	3
No. of Chapters Making Society PAR :	2
Highest PAOE Points by a Chapter:	1650 (central oklahoma)
Percentage of chapters reporting	46%
Percentage of chapters making Society Minimum	20%
Percentage of chapters making Society PAR	13.3%
CHAPTER VISITS	
No. of visits made:	1
No. of visits scheduled:	2
Percentage of chapters visited:	6.6%
GAC AWARDS	
Government. Affairs Award	0 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



# "POLITICS IS TOO SERIOUS A MATTER TO BE LEFT TO POLITICIANS"



**CHARLES DE GAULE** 

Chapter Name	Minimum 500; PAR 1250
ARKANSAS	0
HOUSTON	780
ALAMO	300
AUSTIN	0
DALLAS	0
CENTRAL OKLAHOMA	1650
NORTHEASTERN OKLAHOMA	490
FORT WORTH	0
WEST TEXAS	0
EAST TEXAS	0
SOUTH TEXAS	0
MEXICO CITY	0
MONTERREY	<i>1290</i>
GUADALAJARA	<i>390</i>
NORTHWEST ARKANSAS	0



NOTE: REGION VIII
CRC TAKES PLACE IN
APRIL 2025, AND THE
CHAIRS BEGIN THEIR
ACTIVITIES IN
JULY/AUGUST 2024.
6 ACTIVE CHAPTERS
FROM A TOTAL OF 15.







CONVINCE THE CHAIRS TO USE
THE LINK TO REPORT GOE

HELP CHAPTER LEVEL
TO DEVELOP REGIONAL
LEADERSHIP TO
ENHANCE CONTINUITY

**OPPORTUNITY AREAS** 



# **ACHIEVEMENTS**

## **CENTRAL OKLAHOMA**

- DAY ON THE HILL COORDINATED EVENT WITH NEOK CHAPTER AND SUCCESSFULLY MET WITH HANDFUL OF STATE SENATORS AND REPRESENTATIVES OF OUR ASHRAE MEMBERS IN ATTENDANCE
- OKLAHOMA UNIFORM BUILDING CODE COMMISSION ATTENDING OPEN MEETINGS AND ADVOCATING FOR IMPROVED BUILDING ENERGY CODES IN THE STATE.
- MARCH 2025 LEADING URBAN LAND INSTITUTE LUNCHEON ON DECARBONIZED BUILDING STRUCTURE





































I have this as the list of interested volunteers

also, Austin chapter will host their technical session on march 5th (one day after the DOTH) if anyone is interested!





ALL TEXAS CHAPTERS COORDINATING AND LEADING THE NEXT DOTH—AN EXCEPTIONAL INITIATIVE BY THE HOUSTON CHAPTER WITH GREAT COMMITMENT FROM THE VOLUNTEERS.





Meeting with the National Ministry of Argentina—joint event between Region 12 and Region 8 to address energy efficiency in residential air conditioning and the transition to lower GWP refrigerants

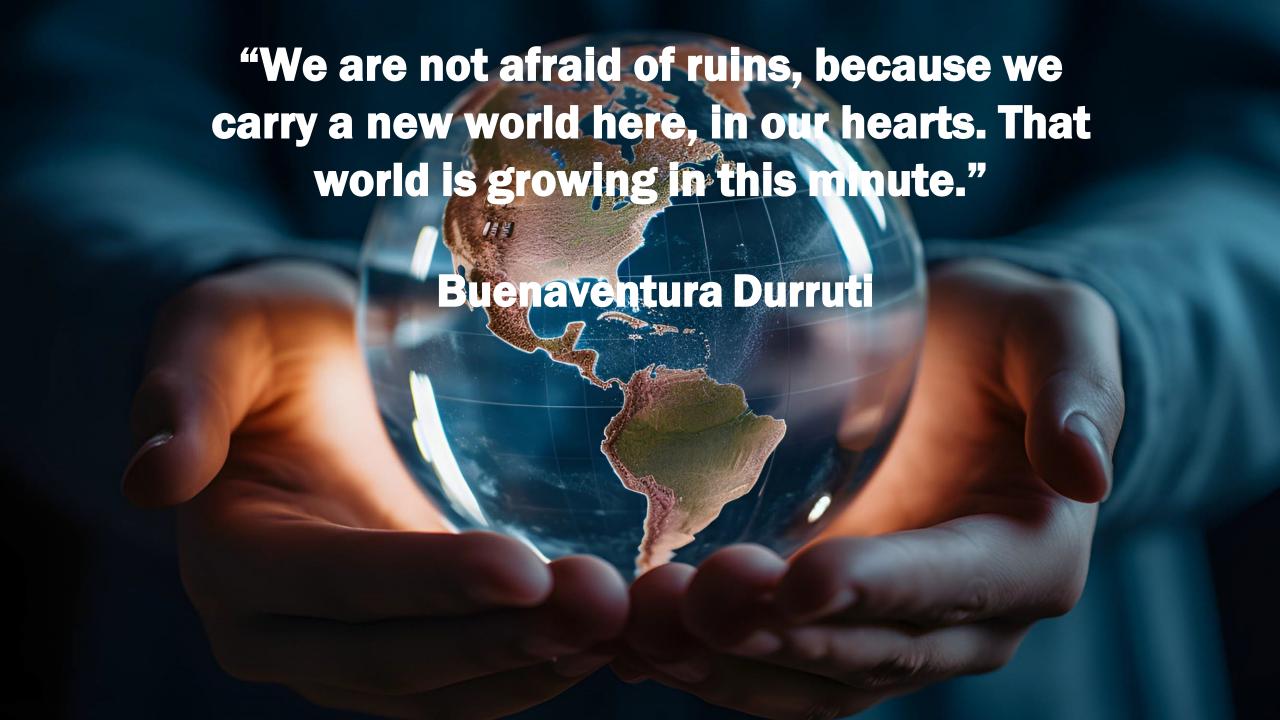


We successfully positioned IAQ as a priority for the new Monterrey (Mexico) city council, referencing Standard 62.1-2022 as the primary guideline for evaluating buildings.





Voluntary agreement between ASHRAE Monterrey chapter and the State to support the energy sector in the state energy efficiency project.





#### 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.

#### Winter RVC Report for Region IX

ACTIVITY
# for current year (# for previous year)
CRC
Total number of chapters in region: 13 (13)
Number of chapters present: 8 (7)
Number of GA chapter chairs present: 6 (6)
Percentage of participation: 61.5% (54%)
Percentage of GA chapter chair participation: 46% (46%)
No. of planning sessions held: (6)
PAOE
No. of Chapters Reporting PAOE Points: 8 (9)
No. of Chapters Making Society Minimum: 0 (1)
No. of Chapters Making Society PAR: 0 (0)
Highest PAOE Points by a Chapter: 300 (650)
Percentage of chapters reporting: 61.5% (69%)
Percentage of chapters making Society Minimum: 0 (8%)
Percentage of chapters making Society PAR: 0% (0%)
CHAPTER VISITS
No. of visits made: 3 (3)
No. of visits scheduled: 1 (1)
Percentage of chapters visited: 23%
GAC AWARDS
Government. Affairs Award: No submittals
<b>Government Outreach Days</b>
No. of Chapters Participating: 2
No. of government officials visited: TBD
No. of ASHRAE members participating: TBD
No. of Chapters reporting: TBD
No. of days duration: TBD



#### Region IX Winter Report 2025

Big Sky



El Paso

**New Mexico** 

Ozarks Pikes Peak



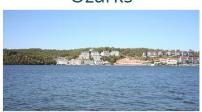








Chapter# 077





Chapter# 131 Idaho

Kansas City

Chapter# 127

Chapter# 072

Rocky Mountain Nebraska

Chapter# 150 South Dakota

Chapter# 148 Utah

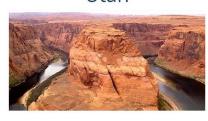












Chapter# 135

Chapter# 053

Chapter# 075

Chapter# 073

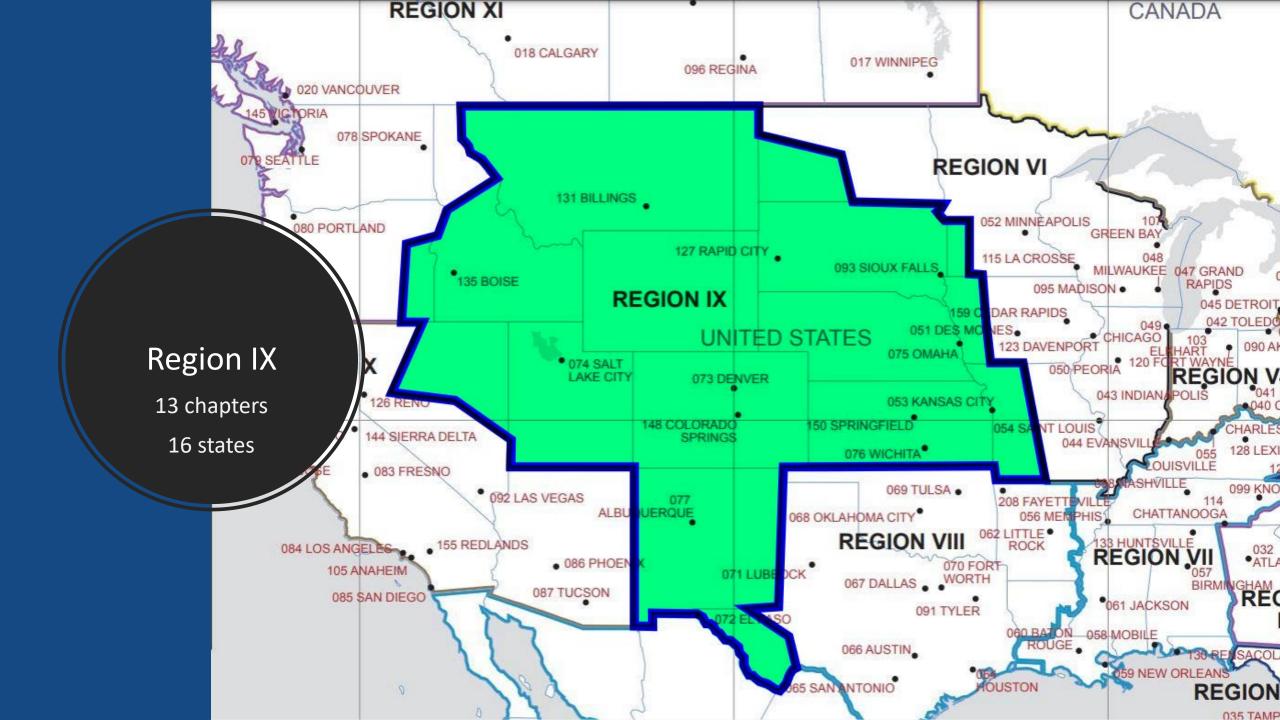
Chapter# 093

Chapter# 074

Wichita

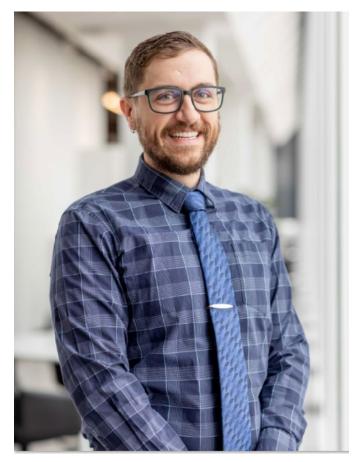


Chapter# 076



#### Region IX RVC Bio.

- Peter Koneck-Wilwerding
- Mechanical Section Manager at HDR
- Omaha, Nebraska, USA
- Nebraska Chapter #75
- GA Chapter Chair 2018/19, 2019/20, 2020/2021
- On BOG for NE (Treasurer)
- Third Year RVC (of 3-year term)





#### Region IX Chapter Status

Chapter code	Chapter Name	Chapter AAM	Government Affairs: Minimum 500; PAR 1250	ChapterPAOEpointTotals	% Chapter Total
93	SOUTH DAKOTA	112	400	4473	9%
135	IDAHO	192	400	5210	8%
75	NEBRASKA	384	250	5890	4%
76	WICHITA	146	200	2432	8%
73	ROCKY MOUNTAIN	979	150	7009	2%
74	UTAH	329	150	10030	1%
148	PIKES PEAK	121	150	2930	5%
53	KANSAS CITY	602	100	5490	2%
72	EL PASO	59	0	1140	0%
77	NEW MEXICO	153	0	3345	0%
127	BLACK HILLS	50	0	1350	0%
131	BIG SKY	118	0	2540	0%
150	OZARKS	62	0	1255	0%



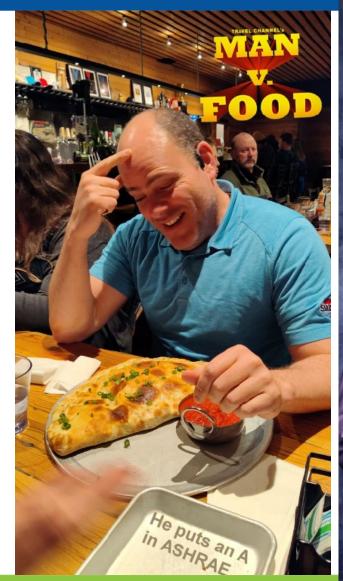
#### Region IX Attention Needed

- Chapters struggling to staff committees
  - Focus on President-Elect training
  - Recruiting members for committees





#### Region IX P.E.T. 2025









#### PRESIDENT-ELECT TRAINING 2025 WEATHER ALERTDAY









#### Region IX Positives

- Strong GA Chairs in participating chapters.
- Outreach events are annual events in participating chapters.
- Seeing some movement in adopting energy codes.



#### Region IX Talking Points

- South Dakota
- Nebraska
- Rocky Mountain
- Kansas City



#### **Region X Chapters**

086 Central Arizona - Phoenix, AZ

082 Golden Gate - San Francisco, CA

082 Golden Gate - Napa, CA

• Redwood Empire Section

108 Hawaii - Honolulu, HI

126 Northern Nevada - Reno, NV

105 Orange Empire - Anaheim, CA

081 Sacramento Valley - Sacramento, CA

085 San Diego - San Diego, CA

083 San Joaquin - Fresno, CA

101 San Jose - San Jose, CA

144 Sierra Delta - Stockton, CA

084 Southern California - Los Angeles, CA

084 Southern California - Santa Barbara, CA

Western Section

092 Southern Nevada - Las Vegas, NV

155 Tri-County - Redlands, CA

087 Tucson - Tucson, AZ



## REGION X GOVERNMENT AFFAIRS

#### "Where the Desert Meets the Ocean"



#### TRACEY JUMPER

RVC-GAC SONV CHAPTER

ASHRAE WINTER MEETING FEB 7, 2025

Region X – GAC Report Feb 2025	
ACTIVITY	
CRC – Tempe 2024	
Total number of chapters in region	14
Number of chapters present	9
Number of GA chapter chairs present	8
Percentage of participation	64%
Percentage of GA chapter chair participation	57%
No. of planning sessions held	4
PAOE	
No. of Chapters Reporting PAOE Points:	3
No. of Chapters Making Society Minimum:	1
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	600
Percentage of chapters reporting	21%
Percentage of chapters making Society Minimum	7%
Percentage of chapters making Society PAR	0%
CHAPTER VISITS	
No. of visits made:	1
No. of visits scheduled:	3
Percentage of chapters visited:	7%
GAC AWARDS	
Government. Affairs Award	0
Government Outreach Days	
No. of Chapters Participating	2
No. of government officials visited	2
No. of ASHRAE members participating	6
No. of Chapters reporting	0
No. of days duration	2

#### RVC REPORT - MID YEAR



#### 2024-25 GOAL PROGRESS

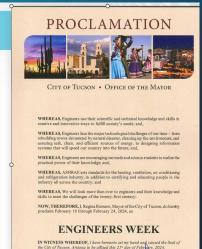
- Tracking, Local Action on Legislation
- GOEs
- DOTH: AZ, CA Set... NV?, HI?
- Chapter Visits 3
- E-Week, World Refrigeration Day Proclamations
- Newsletters and Reporting
  - TO DO Making GAC business as usual







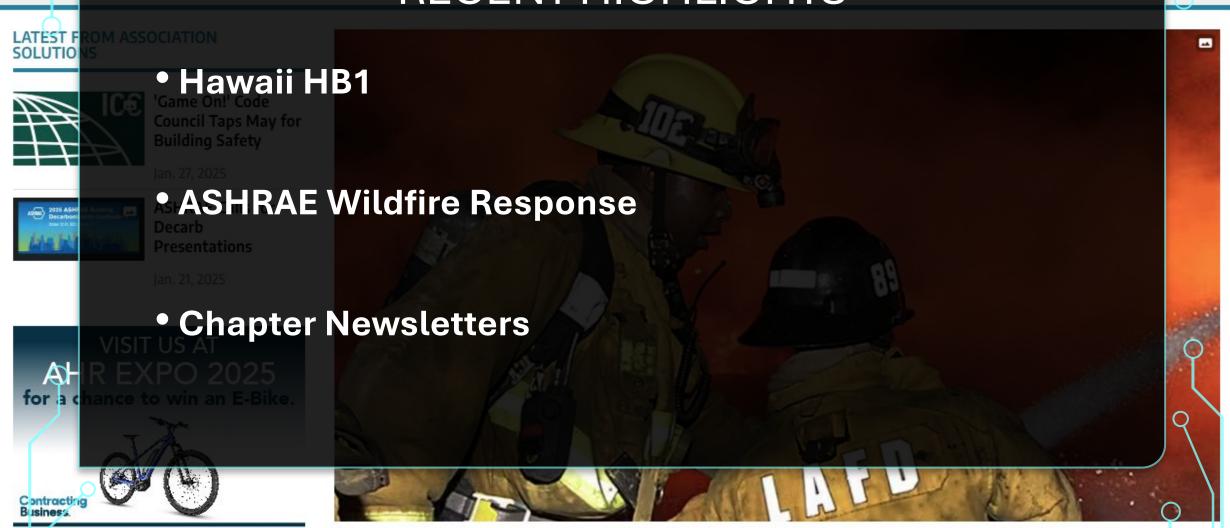






ASSOCIATION SOLUTIONS









### Region XI GA RVC Report

Winter Conference Orlando 2025



Geoff Jenks, PE Region XI RVC

503.358.8697 gjenks@sazan.com



#### Chapter Status

Chapter	CRC	RVC Visit	PAOE (Par = 1250)	Chair Activity
Alaska	Υ		0	Strong
British Columbia	Υ	Spring?	550	Moderate
Inland Empire	Υ	Spring?	0	None
Manitoba			50	Moderate
Northern Alberta	Υ		0	Minimal
Oregon	Υ	Yes	0	Moderate
Puget Sound		2/2025	400	Strong and Growing
Regina			500	Strong
Saskatoon	Υ		0	Strong
Southern Alberta			0	Moderate
Vancouver Island		Spring?	0	Moderate

#### **Notes**

- CRC is in Spring
- Typical slow start
- GA chair activity is improving overall.



#### Accomplishments

- Currently Oregon has a day on the hill planned for March.
- Washington might also have a day on the hill event.
- We've increased the number of GA Chairs across the Region
- Managed to hold 3 Government Affairs Round Tables since our last meeting.



#### Goals for 2025

- RVC visits to visit at least 3, hopefully 4 chapters by the annual meeting
- Hoping for our region to participate in the Canada Day on the Hill
- Get all chapters to file GA PAOE points.



#### 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 12** 

RVC Report for Region 12	
ACTIVITY	
CRC	
Total number of chapters in region	16
Number of chapters present	16
Number of GA chapter chairs present	14
Percentage of participation	100%
Percentage of GA chapter chair participation	87.5%
No. of planning sessions held	14
PAOE	
No. of Chapters Reporting PAOE Points:	16
No. of Chapters Making Society Minimum:	4
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	1050
Percentage of chapters reporting	100%
Percentage of chapters making Society Minimum	25%
Percentage of chapters making Society PAR	0%
CHAPTER VISITS	
No. of visits made:	2
No. of visits scheduled:	6
Percentage of chapters visited:	12.5%
GAC AWARDS	
Government. Affairs Award	1 nomination
<b>Government Outreach Days</b>	
No. of Chapters Participating	10
No. of government officials visited	21
No. of ASHRAE members participating	25
No. of Chapters reporting	4
No. of days duration	-



# ASHRAE 2025 Winter Conference Orlando, Florida February 7th, 2025

Mid Year 24-25 Report Region XII

Luis Alvarado, GAC RVC

#### 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



**Past RVC** 



aRVC US Chapters

**Leandro Astorga** 



aRVC LATAM Chapters

**Region Advisors** 







#### Our Big Team

Chapter Name	Full Name		
JACKSONVILLE	Mr Peter R House		
FLORIDA WEST COAST	Mr Matt David Walters		
MIAMI	Dr Haleh Moghaddasi		
CENTRAL FLORIDA	Mr Bruce B Lindsay		
GOLD COAST	Mr Corey Balko		
PUERTO RICO	Mr Alberto L Aponte		
SOUTHWEST FLORIDA	Trevor John Citek		
BRASIL	Mrs Juliana Pellegrini Lemos Trigo		
ARGENTINA	Mr German Daniel Martinez, Eng		
COLOMBIA	Mr Luis Eduardo Sanchez Aguirre		
CHILE	Mr Rene Gabriel Gonzalez Portales, Ing		
ECUADOR	Mr Santiago Garcia		
PARAGUAY	Mr Gustavo Adrian Villamayor Hermosa, Sr		
ASHRAE CARICOM	Mr lan 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	МВО	%
JACKSONVILLE	Yes	Yes	50	250	400%	880	28%
FLORIDA WEST COAST	Yes	Yes	600	500	-17%	3520	14%
MIAMI	Yes	Yes	400	1050	163%	3440	31%
CENTRAL FLORIDA	Yes	Yes	0	200	-	3600	6%
GOLD COAST	Yes	Yes	0	200	-	1040	19%
PUERTO RICO	Yes	Yes	0	200	-	745	27%
SOUTHWEST FLORIDA	Yes	Yes	600	450	-25%	920	49%
BRASIL	Yes	Yes	200	250	25%	3120	8%
ARGENTINA	Yes	Yes	0	950	-	1760	54%
COLOMBIA	Yes	Yes	0	200	-	1280	16%
CHILE	Yes	Yes	300	250	-17%	3840	7%
ECUADOR	Yes	Yes	200	200	-	880	23%
PARAGUAY	Yes	Yes	0	200	-	680	29%
ASHRAE CARICOM	Yes	Yes	300	350	17%	1840	19%
SOUTH BRAZIL	Yes	Yes	1550	900	-42%	4160	22%
PERU	Yes	Yes	0	150	-	2960	5%



#### First Steps - Status - Classification

US Chapters











SOUTHWEST FLORIDA CHAPTER

- LATAM Chapters
  - Beginner









Intermediate



Chapter





Advance









#### Things to do

- > Collect information per country
  - Updated data and contacts
- > Reinforce teamwork per chapter
  - Any team need to grow up, new members new ideas new contacts
  - GAC near ASHRAE Members
- > Step by step
  - Frequently monthly meeting, no more than 20 minutes.
  - What we are doing, next objective
- > Always communicated
  - WhatsApp work great, mail is best way to talk with staff.
- > Find Strategic Partnerships
  - Such GTIC, COSUDE, UNEP, IDB, CONFEA (more contact same objectives)
- Don't forget to take pictures at event
  - We need to show what we do!!!!!





#### Special Mention Activities

















# Government Affairs Committee Region XIII Report

#### ASHRAE Winter Conference February 2025

**Syed Mubarak** 

Regional Vice Chair

GAC (2024 - 2027)

asyedmubarak@gmail.com



#### **ASHRAE Region XIII CRC**



**Chapter Chairs (2024 – 2025)** 

50% of GAC continue from previous term





















	<b>CHAPTER</b>	CHAPTER CHAIR	CONTACT NO.
1	SINGAPORE	Xiao MAN	+6591158433
2	HONG KONG	HUANG Hung Man Patrick	+85260772053
3	MALAYSIA	CHEA Suei Keong	+60123333500
4	TAIWAN	SUN Ting-Jui	+886926787798
5	PHILIPPINES	Benedicto S. Buenaventura	+639175481846
6	INDONESIA	Nanik RAHMAWATI	+628122650740
7	THAILAND	Pachern SANGBUTSARAKUM	+66982646636
8	JAPAN	Hajime Onojima	+818012569094
9	SOUTH KOREA	KWAG Byung-Chang	+821029713273
10	MACAU	CHAN Ching Ka	+85363684560

# nusxiaoman@gmail.com patrickhuang@swireproperties.com suei.keong.chea@gmail.com mizarluka@hotmail.com bsbuenaventura@gmail.com nrahmawati75@gmail.com pachernsang@gmail.com onojima.hajime@obayashi.co.jp byungchang.kwag@lh.or.kr sam.kc.chan@galaxyentertainment.com

#### Region XIII GAC MBO/Targets for 2024-2025





Minimum 3 chapters visit by RVC

Achieve 100% PAR by all chapters

Achieve Codes & Standards by all Chapters

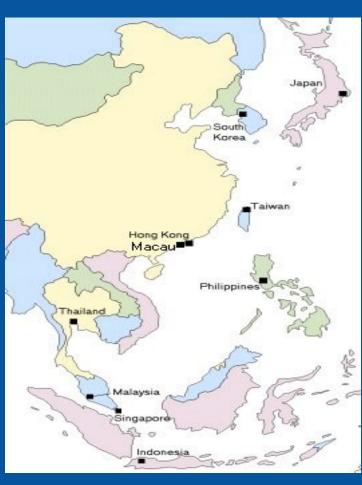
Decarbonisation
Position Policy
Initiatives

Enhance Government Engagement Programs

ASHRAE Certification Program

GAC Award Submission





> 15 GA Meetings and Events

>7 Government Agencies engaged

### **Key Focus Areas**

- 1. Decarbonization
- 2. Minimum Energy Performance
  - 3. Low GWP Refrigerant
    - 4. Energy Efficiency
  - 5. Water Conservation
    - 6. Energy Transition





Government Affair

Ministry of Energy Transition and Water Transformation (PETRA) 2025 Budget Dialog

Venue: Leo Moggie Convention Centre, TNB Platinum, Bangsar

Date: 29 Aug 2024

Time: 9:30am - 1:30pm

Download: More Information



Government Affair

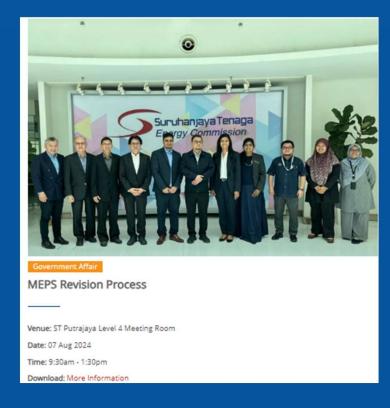
Focus Group Duscussion (FGD) With Interested Parties For The Current Status Review Study Of The National Green Labelling Scheme

Venue: Palm Garden Hotel, Putrajaya

Date: 03 Sep 2024

Time: 9:30am - 4:30pm

Download: More Information







Government Affair

Briefing of the Energy Efficiency and Conservation (EECA) to Manufacturers and Importers Information Regarding Ratings Minimum Energy Performance Stan

Venue: Bangi Avenue Convention Center (BACC)

Date: 11 Sep 2024

Time: 9:30am - 4:30pm

Download: More Information



Government Affair

Working Group on Smoke and Heat Control System (NSC13TC4/WG3) for Malaysian Standard MS 2586

Venue: Department of Standards Malaysia

Date: 30 Jul 202

Time: 9:30am - 12:30



Government Affair

Kigali Implementation Plan (KIP) Meeting under the Montreal Protocol with the World Bank.

Venue: Moxy Hotel, Putrajaya

Date: 14 Aug 2024

Time: 9:30am - 1:30pm

Download: More Information



The title: Smoke Kills More People Than Fire

The article highlights MS1780:2017 Smoke Control System using Natural (Displacement) or Powered (Extraction) Ventilation.



HIGHLIGHTING MS 1780:2017
SMOKE CONTROL SYSTEM USING
NATURAL (DISPLACEMENT) OR
POWERED (EXTRACTION)
VENTILATION (FIRST REVISION) IN
CONJUNCTION WITH THE WORLD
STANDARDS DAY 2024: SMOKE
KILLS MORE PEOPLE THAN FIRE

On average, about 6,000 premises are destroyed by fire every year nationwide. About 40 per cent of these involve residential, while the remaining 60 per cent involve other types of buildings such as offices, factories, schools, and shop-houses. The idioms, "there is no smoke without fire" and "smoke kills more people than fires" are well entrenched. In fact, smoke kills more people during fires than heat, flames or structural collapse, and statistically, smoke inhalation injuries cause 50 to 80% of fire deaths!

The global study on smoke control is continuously evolving and Malaysia has developed local standards and guidelines on Smoke Control Design and Application over the last 3 decades. In conjunction with this very dynamic subject, it is informative to understand the significant milestones achieved for fire protection in Malaysia.



Up till 1999, smoke control requirements for local projects were designed mainly on the basis of the Uniform Building By-Laws (UBBL) 1984 and Sarawak Building Ordinance (SBO) 1994 as well as other established Standards/ Codes/Guidelines & Performance Based Approach. The need for a uniform smoke control standard was recognized by the industry and



Ir. Chen Thiam Leong
Chairman
Technical Committee on Smoke
Management (NSC 13/ TC 4), and
Member of National Standard
Committee on Fire Safety (NSC 13)





RVC-GA meet up in Malaysia and Indonesia in Sep &Oct 2024









 On-going updates by the chapters on adaptation of ASHRAE Standards into local building codes

Chapter Name	Local Codes/ Standards Input	Reference to ASHRAE Guidelines/Standards
Singapore	Yes	
Hong Kong	Yes	
Malaysia	Yes	
Taiwan	Yes	
Philippines	Yes	
Thailand	Yes	
Indonesia	Identified ASHRAE Standards used in Indonesia  Building Codes	
Japan	Identified ASHRAE Standards used in Japan Building Codes	
South Korea	Yes	
Macao	Yes	

# RVC-GA as Reviewer (2024 – 2025)

- ☐ Public Policy Information Brief (PPIB)
  - ☐ Building Decarbonisation
  - ☐ Building Electrification



BUILDING DECARBONIZATION

THE ISSUE



**BUILDING ELECTRIFICATION** 

THE ISSUE

# Region XIII GAC PAOE (2024-2025)



- Target to achieve 100% PAR by all chapters.
- Keep encouraging chapters to update PAOE points in a timely manner.

Chapter Name	2023 - 2024	2024-2025
Singapore	2100	700
Hong Kong	2400	150
Malaysia	3550	2800
Taiwan	2550	150
Philippines	2550	950
Thailand	1350	750
Indonesia	1350	150
Japan	500	150
South Korea	250	150
Macao	150	150

Note: From 2023-2024; Par 1250, Min. 500



The End



### 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 XIV** 

ACTIVITY	Region XIV – GAC Report February 2025
CRC	
Total number of chapters in region	9
Number of chapters present	9
Number of GA chapter chairs present	9
Percentage of participation	100%
Percentage of GA chapter chair participation	100%
No. of planning sessions held	
PAOE	
No. of Chapters Reporting PAOE Points:	4
No. of Chapters Making Society Minimum:	2
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	900
Percentage of chapters reporting	44 %
Percentage of chapters making Society Minimum	22%
Percentage of chapters making Society PAR	-
CHAPTER VISITS	
No. of visits made:	7
No. of visits scheduled:	7
Percentage of chapters visited:	22%
GAC AWARDS	
Government. Affairs Award	-
<b>Government Outreach Days</b>	
No. of Chapters Participating	1
No. of government officials visited	20
No. of ASHRAE members participating	70+
No. of Chapters reporting	1
No. of days duration	15





# ASHRAE 2025 Winter Meeting Orlando, Florida February 7th, 2025

Dr. Eng. Ioan Silviu DOBOSI

RVC-GA Region XIV

Danube Chapter



### Dr. Eng. Ioan Silviu DOBOŞI

### Regional Vice Chair Government Affairs - ASHRAE Region XIV Europe



Graduate of "Politehnica" University of Timișoara, Faculty of Civil Engineering, Building Services Department in 1988.

Doctor in Civil Engineering at the "Politehnica" University of Timișoara in 2007.

In 1994, establishes SC Dosetimpex SRL, today one of the main competitors on the market of building services in Romania.

Associate professor at the Faculty of Architecture from the "Politehnica" University of Timisoara since 1993.

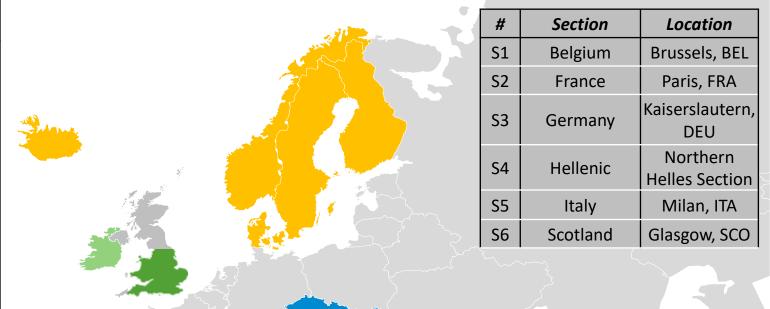
- 1993 Member of AIIR- Romanian Association of Building Services Engineers
- 2007-2016 Vice President of AIIR Romanian Association of Building Services Engineers
- 20216-2020 Prime Vice President of AIIR Romanian Association of Building Services Engineers
- 2020 -2024 President of AIIR Romanian Association of Building Services Engineers
- 2024 -2028 President of AIIR Romanian Association of Building Services Engineers
- 2007 2016 Vice President of REHVA Federation of European Heating, Ventilation and Air Conditioning Associations
- Fellow REHVA
- From April 1th, 2004, member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers,
- Secretary of ASHRAE Danube Chapter
- Region XIV Europe, Member Council Representative of ASHRAE 2020-2023
- Regional Vice Chair Government Affairs ASHRAE Region XIV Europe 2023-2026
- Fellow ASHRAE





# **The Region XIV**

#	Chapter	GA Chair
168	Hellenic	<b>✓</b>
176	Danube	$\checkmark$
177	Portugal	$\checkmark$
182	Spain	$\checkmark$
203	Cyprus	$\checkmark$
204	Ireland	$\checkmark$
214	Israel	$\checkmark$
223	Ashrae UK	✓
225	Nordic	<b>✓</b>







# **Accomplishments – Current situation**

### **GA Workshop – Virtual**

Discussion on how the Region can participate in ASHRAE's effort to be more global

**Total Assigned Members: 1278** 

#	Chapter	Area Assigned Members	GA Chair
168	Hellenic	148	Iliana Georgia Georgakakou
176	Danube	106	Liviu Drughean
177	Portugal	80	Luis P. Coelho Neto
182	Spain	29	Andres J Sepulveda
203	Cyprus	83	Polyvios Ch Eleftheriou
204	Ireland	112	Edith Eileen Blennerhassett
214	Israel	91	Rafael Aharoni
223	Ashrae UK	507	Vanda Dimitriou
225	Nordic	122	Jani Kristian Heikkila





# Goals for SY 2024 - 2025

- ✓ Establish communication with EU commission
- Development of relations and collaboration between ASHRAE and REHVA, CIBSE, National Associations from Europe
- ✓ Engage more GA chairs to participate and achieve PAOE points
- ✓ All chapters to have GA chairs





# **GAC - RVC Report for Region XIV**

### 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 XIV** 

ACTIVITY	Region XIV – GAC Report June 2024
CRC	
Total number of chapters in region	8
Number of chapters present	8
Number of GA chapter chairs present	8
Percentage of participation	100%
Percentage of GA chapter chair participation	100%
No. of planning sessions held	
PAOE	
No. of Chapters Reporting PAOE Points:	7
No. of Chapters Making Society Minimum:	4
No. of Chapters Making Society PAR:	1
Highest PAOE Points by a Chapter:	1250
Percentage of chapters reporting	87.5 %
Percentage of chapters making Society Minimum	50%
Percentage of chapters making Society PAR	12.5 %
CHAPTER VISITS	
No. of visits made:	5
No. of visits scheduled:	5
Percentage of chapters visited:	25%
GAC AWARDS	
Government. Affairs Award	-
Government Outreach Days	
No. of Chapters Participating	1
No. of government officials visited	10
No. of ASHRAE members participating	2
No. of Chapters reporting	1
No. of days duration	1

### 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 XIV** 

ACTIVITY	Region XIV – GAC Report February 2025
CRC	
Total number of chapters in region	9
Number of chapters present	9
Number of GA chapter chairs present	9
Percentage of participation	100%
Percentage of GA chapter chair participation	100%
No. of planning sessions held	
PAOE	
No. of Chapters Reporting PAOE Points:	4
No. of Chapters Making Society Minimum:	2
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	900
Percentage of chapters reporting	44 %
Percentage of chapters making Society Minimum	22%
Percentage of chapters making Society PAR	-
CHAPTER VISITS	
No. of visits made:	7
No. of visits scheduled:	7
Percentage of chapters visited:	22%
GAC AWARDS	
Government. Affairs Award	
Government Outreach Days	
No. of Chapters Participating	1
No. of government officials visited	20
No. of ASHRAE members participating	70+
No. of Chapters reporting	1
No. of days duration	15





# **ASHRAE European Policy Update**



Welcome to ASHRAE's European Policy and Funding Update! This monthly publication features information on policy and funding-related activities of interest to ASHRAE members in Europe. Archives of previous updates are available from the ASHRAE European Policy and Funding Updates webpage.

- EU Regulatory Updates
- EU National Updates
- United Kingdom National Updates
- Events
- Glossary

https://www.magnetmail.net/Actions/email\_web\_version.cfm? publish=newsletter&user\_id=ASHRAE&message\_id=24189064





# Events 2024 – CHISNAU, REP. MOLDOVA







# Events 2024 – REGION XIV CRC OXFORD, UK













# Events 2024 – ASHRAE CRC Region XIV Oxford, UK

### The new Memorandum of Understanding ASHRAE - REHVA

- Meeting in Oxford
- ASHRAE /REHVA working group
  From ASHRAE
  Bill McQuade President-Elect, Sarah Maston Treasurer,
  Mahroo Eftekhari DRC Reg. XIV, Eduardo Maldonado RMCR Reg. XIV,
  Andres Sepulveda CRC GENERAL CHAIR, Ioan Silviu Dobosi RVC GA Reg. XIV

From REHVA - online Cătălin Lungu - President, Livio Mazzarella - President Elect,

- ASHRAE The MoU draft was debated and agreed in the final form by the representatives of Ashrae and the representatives of Rehva
- Future meetings of the working group 2025 ASHRAE Winter Conference Orlando 2025 REHVA Clima Word Congress Milan.





# Events 2024 – Danube Chapter, Sinaia, Romania









# Region XIV Events 2024 – 55 KGH, Belgrade, Serbia, Danube CHAPTER







# Events 2024 – Hellenic Chapter





Technical Workshop LEED TRAINING International Conference
ASHRAE
CLEANROOMS
EXCELLENCE 2024

International Conference
"ENERGY in BUILDINGS
2024"





# Events 2024 – Spain Chapter







# Events 2024 – Ireland Chapter

ASHRAE Ireland Technical Seminar **DESIGN BUILD FOR GREEN BUILDINGS** 

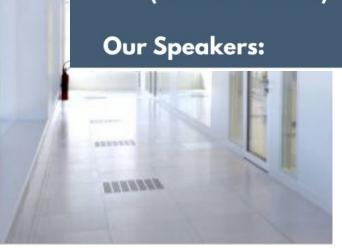
**Date:** 5th December 2024

**Time:** 16.00 - 18.00

**Venue:** Clayton Hotel, Fonthill Rd,

Liffey Valley, Dublin, D22 X4W6

(HYBRID EVENT)







Date:

Time:

**Environments** 

Airmid Healthgroup, 2056 Castle Dr, Citywest Rd, Citywest Business Campus, Dublin 24, D24 YH58

**Our Speakers: (HYBRID EVENT)** 

**ASHRAE Ireland Technical Seminar** 

29th October, 2024

Tour of Airmid Healthgroup from 15.00 followed by seminar from 16.00

**Design Strategies for Controlled** 

15.00 - 18.00

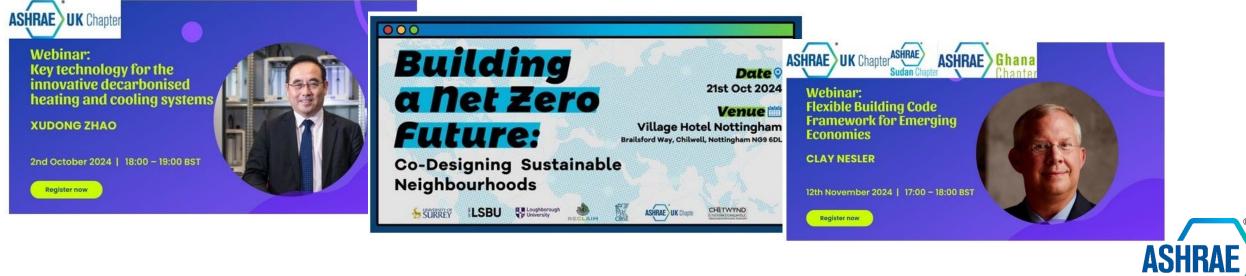




# Events 2024 – ASHRAE UK Chapter









# Events 2024 – Nordic Chapter Newsletters





### Newsletter

Historical Article: Swegon This month, learn about the history behind Swegon, a global leader in the HVAC&R industry!

Read more on page 2

Regulatory Efforts in Copenhagen: Paving the Way for a Healthy and Sustainable Built Environment

Read about the recent legislative measures and initiatives in Copenhagen which will shape the built environment in the future.

Read more on page 4

New Website for ASHRAE Nordic Chapter

The ASHRAE Nordic Chapter has a new website, to be filled with content in the coming months!

Read more on page





lecember 2024 lume 1, Issue 6



### Newsletter

Promoting a Healthy and Sustainable Built Environment in Reykjavik

This month, learn about how Reykjavik, the capital of Iceland, is creating a healthy and sustainable built environment for all its residents!

Read more on page 2

ASHRAE Taiwan Chapter participated in the "Refrigeration & HVAC Taiwan (RHVAC Taiwan)" on October 23, 2024 – Taiwan Industry Week 2024

Read about Taiwan's leadership in energy-efficient climate control technologies. .

Read more on page 4

Establish a Scholarship Fund with the ASHRAE Foundation

ASHRAE presents a solution for easily managing scholarships for Regions and Chapters that create scholarships with the ASHRAE Foundation. Let professional fund managers handle your assets so Members can focus on distributing scholarships without stress!

Read more on page 5







# Events 2025 – 60 CN AIIR 2025, Sinaia, Romania











# Dr. Eng. Ioan Silviu DOBOŞI

Regional Vice Chair Government Affairs - ASHRAE Region XIV Europe

# Thank you for your attention!





# Government Affairs Committee Region XV

1<sup>st</sup> July to 31<sup>st</sup> December 2024

Dr. Varun Jain 9810826529 varun@sanelac.in

# **RVC** Bio

Dr. Varun Jain

Self Employed Consulting Engineer

Sanelac Consultants Pvt Ltd,

New Delhi, India

GA Chapter Chair 2024/2025

Chapter President 2019/2020

First Year of 3 Year GA RVC Team 2024/2025



# In-the-works/On-the-go

GAC Training Workshop for Region XV,
 September 20<sup>th</sup> to 22<sup>nd</sup> 2024.



# **REGION XV COMPRISES OF 12 CHAPTERS**





# CRC Region XV, September, 2024



- ASHRAE GAC Mission and GAC Responsibilities
- Year 24-25 Public Policy Priorities (Presidential Initiatives)
- Key Activities of GAC
- Chapter Chair Responsibilities
- Planning a Government Outreach Event
- Planning and Reporting



# **ASHRAE GAC Region XV Meeting Schedule**

S.No.	Date	Meeting Detail	Location
1	20 & 22 Sept 2024	Government Affairs Committee Region XV GAC Training	Udaipur
2	18th Oct 2024	GAC Discussion on Region XV	Online
3	15th Nov 2024	GAC Discussion on Region XV	Online
4	20th Dec 2024	GAC Discussion on Region XV	Online
5	17th Jan 2025	GAC Discussion on Region XV	Online
6	21st Feb 2025	GAC Discussion on Region XV	Online
7	21st Mar 2025	GAC Discussion on Region XV	Online
8	18th April 2025	GAC Discussion on Region XV	Online
9	16th May 2025	GAC Discussion on Region XV	Online
10	20th Jun 2025	GAC Discussion on Region XV	Online



# **Government Affairs Award Nomination**

- Originally the date was 15<sup>th</sup> September
- Email was sent to Society with a request to extend the Date of Nominations
- The Date was extended to 31st of October
- Region –XV Submitted 2 nominations
  - ➤ ASHRAE Mumbai Chapter
  - ➤ ASHRAE India Chapter



### Plan of Activities of Government Affairs Committee

S.No.	Description		Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	TARGET
1	Presidential Initiatives	GA1													
_	Tresidential initiatives	GA2													
	Essions House	GA3													
,	Efficient Use of Volunteers' Time	GA4													
		GA5													
3	Awards & Submission	GA6													
,	Activities	GA7													
		GA8													
		GA9													
		GA10													
4	Meetings, Presentations or Events	GA11													
		GA12													
		GA13													
		GA14													
		GA15													
	nua i m	GA16													
	RVC AssignsThe Following Points	GA17													
	1 Old Hing I Ollids	GA18													
		GA19													
	Target PAOE			•			•	•							



### Plan of Activities of GAC – Bangladesh Chapter

Poi	nt Table_I	Planned_G	AC_ASHRA	<b>AE Banglad</b>	esh Chapter(J	Anua	ry 202	5)						
	SL	Activity	Point	Target	Accountable	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
Presidential Initiative	1	GA1	0/500	500	100			1						
	2	GA2	0/300	300	50									
Effective Use of Volunteers Time	3	GA3	0/150	250	250									
	4	GA4	0/100	150	150									
	5	GA5	0/50	50	50									
Aswards & Submission Activities	6	GA6	0/300	300										
	7	GA7	0/250	200										
Meetings Presentations or Events	8	GA8	0/200	100										
	9	GA9	0/200	100										
	10	GA10	0/200	100										
	11	GA11	0/200	150	50									
	12	GA12	0/100	50										
	13	GA13	0/400	250										
	14	GA14	0/600	200										
RVC Assigns The Following Points	15	GA15	0/150	150						<u> </u>				
	16	GA16	0											
	17	GA17	0/200	200						<u> </u>				<u> </u>
	18	GA18	0/100	100										<u> </u>
	19	GA19	0/300	250										
				3400	650									



### Plan of Activities of GAC – Mumbai Chapter

		Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	TARGET	ACHIEVED
Describeration Institutions	GA1		50+50		50	50	50	50	50	50	50	50		500	100
Presidential Initiatives	GA2				100	100	100							300	100
	GA3	150												150	150
Efficient Use of Volunteers' Time	GA4				100									100	100
	GA5	50												50	50
Awards & Submission Activities	GA6				100			100						200	100
Awards & Submission Activities	GA7					50	50	50	50	50				250	
	GA8				100			100						200	100
	GA9				100		100						100	200	200
	GA10		50			50	50+50	50	50					200	150
Meetings, Presentations or Events	GA11	A11 100+100					200	200							
	GA12					50				50				100	
	GA13		100						100		100	100		400	100
	GA14						200							200	
	GA15			150										150	150
	GA16							50			50			100	
RVC Assigns The Following Points	GA17						100				100			200	
	GA18				100									100	100
	GA19												300	300	
												TAR	GET PAOE	3900	1600

PINK colour shows activities that were planned and completed
GREEN colour shows activities that are planned
RED colour shows activities that were planned but not completed
BLUE colour shows actitivies that were completed on unplanned dates



### My Ask as RVC

- Book containing all ASHRAE Standards, with category.
- Complementary copy to Government Organisation approval process.



### **Bangladesh Chapter Outreach Event**

name:	Shekhar Chandra Biswas
email:	biswasshekhar5@gmail.com
chapter participating:	BANGLADESH
region:	0
event date:	12/23/2024 12:00 AM
location:	in-person large group
engagement type:	State
volunteer number:	4
volunteer names:	1. Shekhar Chandra Biswas, Membership # 8450476, GAC Chair, ASHRAE Bangladesh Chapter 2.M Akram Hossain Boby, Membership # 8361840, GAC Co-Chair, ASHRAE Bangladesh Chapter 3. Md. Moniruzzaman Bapari, Membership # 8471166, GAC Member, ASHRAE Bangladesh Chapter 4. Mr Bankim Bairagi, Membership # 8452600, GAC Member, ASHRAE Bangladesh Chapter
gov officer num:	14
gov officer names:	Mir Monzurur Rahman, Chief Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 2. Md. Asifur Rahman Bhuyian, Additional

Chief Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 3. Mohammad Ferdous Hassan Khan, Superintending Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 4. Md. Ali Ashraf Dewan, Superintending Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 5. Nusrat Jahan, Executive Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 6, Syed Rezaul Morshed, Executive Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 7. Mohsena Siddika, Executive Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 8. Md. Habibul Quaium, Executive Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 9. Asaduzzaman Noor, Executive Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 10. Md. Abdullah Al Mamun, Executive Executive Engineer, Public Works Department, Ministry of Housing & Public Works, Dhaka, Bangladesh 11. Rubaya Jesmin, Senior Assistant Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 12. Shahary Shobnom Kabir, Assistant Architect, Department of Architecture, Ministry of

1/2/25, 3:54 PM Sanelac.in Mail - Fwd: Form received Housing & Public Works, Dhaka, Bangladesh 13. Arafat Nawaz Aunkur, Assistant Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh 14. Sharmin Sultana, Assistant Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh policy makers contacted: 1 other activities: No other organization was involved The most successful finding was that the architect professionals were enthusiastic about learning ASHRAE activities. ASHRAE Bangladesh Chapter needs to enhance student branch activities in more universities. More and more university teachers should be involved in teaching the main followup: themes and guidelines of ASHRAE. Particularly, Bangladesh should consider establishing local standards considering the tropical situation and climate vulnerability of Bangladesh following ASHRAE and including them in the National Building Code. further engagement: ASHRAE could introduce more offline training in Bangladesh Our ASHRAE Bangladesh Chapter plans to maintain very good relationship to enhance relationship plans professional competency Actually, the outreach event was very interactive. The architects were expecting to get further information: more knowledge-sharing sessions from ASHRAE like 'Building Thermal Insulation', Sustainable building materials, Building Envelope, Passive Cooling issues, etc.

Shekhar Chandra Biswas
GAC Chair, AHRAE Bangladesh Chapter
&
Superintending Engineer
PWD E/M Design Circle, Dhaka, Bangladesh

- 1. Chief Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh.
- 2. Additional Chief Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh.
- 3. Superintending Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh.
- 4. Executive Architect, Superintending Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh.
- 5. Executive Engineer, Public Work Department, Ministry of Housing & Public Works, Dhaka, Bangladesh.
- 6. Senior Assistant Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh.
- 7. Assistant Architect, Department of Architecture, Ministry of Housing & Public Works, Dhaka, Bangladesh.



#### **GAC Outreach Event**

ASHRAE India Chapter is Planning a Government Outreach event on 20<sup>th</sup> November.

### Key Invitees are:

- Airport authority of India
- CPWD
- NCRTC
- NHSRCL
- BEE
- EESL



# Meeting with Department of Architecture Punjab organized by Chandigarh Chapter



The Chief Architect of Punjab is enthusiastic about collaborating with the ASHRAE Chandigarh Chapter to host workshops that will aid in decision-making and adopting ASHRAE standards.

At present, they are interested in organizing a workshop on waste segregation and waste-to-energy solutions



# Meeting with GAMDA organized by Chandigarh Chapter Punjab



In INDIA, we require a formal agreement to collaborate with the government department.

On request of Chandigarh Chapter, we approached the society and we got approval on an agreement.



# Meeting with GAMDA organized by Chandigarh Chapter Punjab

#### ASHRAE CHANDIGARH CHAPTER



Date: 4th July 2024

Chief Architect, Department of Architecture, Punjab

Subject: Letter of Intent for Collaboration with ASHRAE CHANDIGARH regarding

Standards & Trainings on Sustainable HVAC System Selection.

Ma'am,

Greetings from ASHRAE Chandigarh Chapter!

The ASHRAE Chandigarh Chapter is pleased to express its intent to collaborate with Deptt. of Architecture to develop and deliver a comprehensive training program focused on sustainable HVAC system selection. This training initiative aims to enhance the skills and knowledge of professionals in the HVAC industry, promote energy efficiency, and support environmental sustainability in line with government policies and goals.

#### Objectives of the Collaboration-

The primary objectives of this collaboration include:

Curriculum Development: Jointly creating a detailed curriculum that covers the principles and best practices of selecting sustainable HVAC systems.

Training Delivery: Conducting training sessions that provide participants with practical knowledge and skills to choose energy-efficient HVAC systems.



### Meeting with PGIMER HOSPITAL by Chandigarh Chapter, Punjab



- Govt. Meeting happened with PGIMER HOSPITAL Heads, Chandigarh (One of the premier healthcare institute) during visit of ASHRAE Society President, at Chandigarh.
- There ask is to provide Decarbonizing Hospital Building Guideline

## Discussion on ASHRAE guideline 12-2020 with Goa State Pollution Control Board, Govt. of Goa (5<sup>th</sup> August 2024)



Ms Denza, Microbiologist (GSPCB), Prof. Balkrishna Chodankar, Government Affairs Chair AMC, Dr Mohan Girap, Scientist (GSPCB) & Mr Mahesh Prabhu, President AMC)

- ASHRAE guideline 12-2020 Managing the Risk of Legionellosis associated with Building Water Systems was discussed with Scientist Dr Girap and Microbiologist Ms Denza of Goa State Pollution Control Board on 5th August 2024.
- ASHRAE guideline 12 provides information and guidance for control of legionellosis associated with building water systems.

## Discussion with Directorate of Health Services, Govt. of Goa on ASHRAE Standards 514 & 241 (16th August 2024)



Prof Balkrishna Chodankar, Government Affairs Chair, AMC, Dr. Uttam Desai, Deputy Director of Health Services, Government of Goa & Mr Mahesh Prabhu, President ASHRAE Mumbai Chapter)

- ASHRAE Standard 514 and ASHRAE Standard 241 were discussed with Deputy Director of Health Services Dr Uttam Dessai, Govt of Goa on 16th August 2024.
- The purpose ASHRAE Standard 514 is to establish minimum requirements to reduce illness and injury from physical, chemical, and microbial hazards from water systems in buildings.

## Presentation on ASHRAE Standards 241 & 62.1 to Directorate of Health Services, Govt. of Goa (16<sup>th</sup> August 2024)



- Standard 62.1 specifies minimum ventilation rates and other measures intended to provide indoor air quality (IAQ) that's acceptable to human occupants and that minimizes adverse health effects.
- Standard 241 establishes minimum requirements to reduce the risk of airborne disease transmission, such as SARS-COV-2 virus, which causes COVID-19, the flu virus and other pathogens in buildings like single and multi-family homes, offices, schools and healthcare facilities.

Dr. Kanekar, Directorate of Health Services, Govt. Of Goa & Mr. Mahesh Prabhu, President ASHRAE, Mumbai Chapter)

# Presentation on ASHRAE Standard 514-2023 to Scientists and officers of Goa State Pollution Control Board, Govt. of Goa (28th August 2024)



Mr Mahesh Prabhu, President ASHRAE Mumbai Chapter (AMC) and Prof Balkrishna Chodankar, GAC Chair (AMC) with the delegates )

 ANSI ASHRAE Standard 514, Risk Management in Building Water Systems: Physical, Chemical and Microbiological Hazards provides minimum practices to manage overall risk from Microbial hazards (other than Legionella) including chemical and physical hazards associated with Potable and Non Potable Building Water Systems.



### Technical presentation on 'Optimizing Indoor Air Quality in Healthcare Facilities', on 10<sup>th</sup> October 2024



The programme was attended by Senior officials from Directorate of Health Services, Government of Goa. The attendees included about 10 senior doctors and about 35 Facility Management Engineers and other professionals.



ASHRAE Mumbai Chapter in collaboration with The Directorate of Health Services (Govt. of Goa) and Goa Medical College SSB

#### Technical Seminar on

Optimizing Indoor Air Quality in Healthcare Facilities: Essential HVAC Design Strategies for Infection Control

- Date: Thursday, Oct 10, 2024
- Time: 2 pm − 5 pm
- Venue: Seminar Hall, GMC-SSB, Goa

#### SPEAKER- Mr. B. Gautham Baliga

- ASHRAE Mumbai Chapter Member
- · Subject Matter Expert

#### **Abstract of the Presentation**

In healthcare facilities, HVAC systems are critical for comfort and controlling the spread of airborne diseases. This seminar will cover essential strategies for achieving optimal indoor air quality, including filtration, air change rates, fresh air and exhaust systems, pressure gradients, and UV-C irradiation for air purification. The lecture will also discuss ASHRAE Standard 241, applicable during respiratory pandemics, emphasizing the importance of precise and robust HVAC design for infection control.

#### **Program Flow**

230 PM - 2:40 PM	Opening comments by Official from Directorate of Health Services, Govt of Goa
2:40 PM - 2:45 PM	Welcome address by Mr. Mahesh Prabhu (President-AMC)
2:45 PM - 2:50 PM	Introduction to the Topic /Speaker - Kartik Kommireddi (CTTC Chair -AMC)
2:50 PM - 4:50 PM	Presentation by Mr Gautham Baliga: AMC Member and Expert Speaker
4:50 PM - 5:00 PM	Q/A - Open House
5:00 PM - 5:10 PM	Felicitation
5:10 PM - 5:15 PM	Vote of Thanks - Prof Balkrishna Chodankar: (Secretary -AMC)



## Presentation on ASHRAE Position Paper on Building Decarbonization to Goa College of Engineering





Faculty, staff and students of Civil Engineering Department, Goa College of Engineering, Government of Goa

## ASHRAE Standards for Govt Building Design to R & B Telengana on 01/10/2024



- Chief Engineer Mr. Linga Reddy attended the Event.
- 18 Engineers attended the Program.



### **Meeting With Deputy Chief Minister – Andhra Pradesh**



ASHRAE Deccan had the Opportunity to meet the Deputy Chief Minister of Andhra Pradesh Shri. Pawan Kalyan.

 On 15/12/2024 ASHRAE Deccan had the Opportunity to meet the Deputy Chief Minister of Andhra Pradesh Shri. Pawan Kalyan.

 In the meeting it was about conveyed ASHRAE and the importance of ASHRAE Standards.



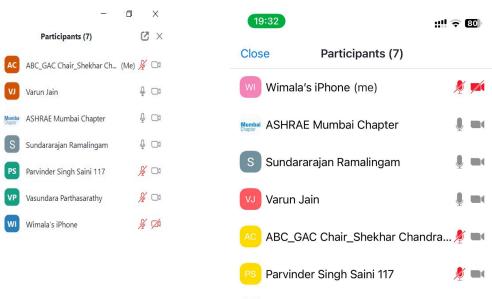
# MEETING WITH <u>Municipal Administration & Urban Development</u> – Andhra Pradesh 20/12/2024



- 20/12/2024 Deccan President met Municipal Administration & Urban Development Minister of Andhra Pradesh Shri.Ponguru Narayana.
- Explained the importance of Net zero and Ashrae standrad 228 for the same
   Spoke about Latest Development in Air Conditioning industry.







VP Vasundara Parthasarathy



To to Settings to activate Windows

Invite

Unmute Me

Claim Host



**/** 

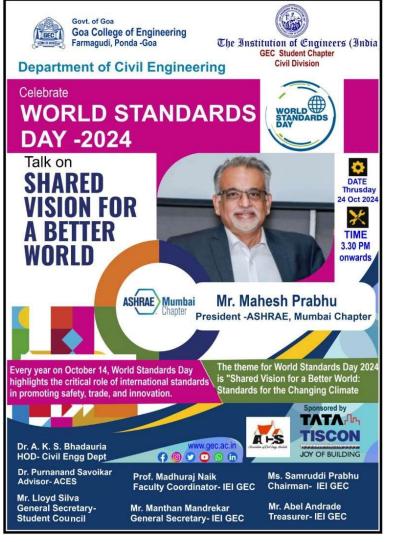
# ASHRAE's position document on Building Decarbonization with Principal and faculty members of Government Polytechnic Panaji, Goa on 30th December, 2024





# World Standards Day celebration in association with Institution of Engineers (India) Goa State Centre and Goa College of Engineering on 24th October 2024.







# ational Energy Conservation Day celebration in association with Institution of Engineers (India) Goa State Centre on 13th December 2024 at International Centre Dona Paola, Goa











Co-Founder & Director at Electro-Mech Consultants Pvt. Ltd., Mumbai Co-Founder & COO at Qi Square Pte Ltd., Singapore Global Head of Digital Twin & Allied Services at SoftTech Engineers Ltd., Pune

Leading a team of engineers specializing in Digital Twin, Virtual Environment, Energy Efficiency, Net Zero Buildings, LEED Certifications, and Dynamic Simulation to enhance building design and power savings for new and existing buildings.

#### WHO CAN ATTEND

Energy Consultants Facility Managers HVAC Professionals ECBC Consultants

Any one involved in Energy

Conservation of Built Environment

#### FREE REGISTRATION



Programme followed by Networking Dinner



RSVP The Institution Of Engineers Organization(India)- Goa State Centre- +91 9325029277 Email : goasc@ieindia.or Balkrishna Chodankar -+91 9822483951 - Email : chodankarbalkrishna@gmail.com

# Meeting with Faculty of Civil Engineering Department, Goa College of Engineering, Government of Goa, on 14th December 2024





## Meeting with faculty of Indian Institute of Technology, Goa, on 14th December 2024.





### Thank you to ASHRAE Staff

We appreciate the exceptional support and guidance provided by the ASHRAE staff. Thank you for your continuous help!

Alice Yates, Chris Miller, Emily Porcari, Jacob Karson and Jason Davidson







ASHRAE Region At Large GOVERNMENT AFFAIRS 2024/2025 Orlando winter meeting



### RVC BIO:

Ahmed M. Bolbol

**Consulting Engineer** 

Cairo, Egypt

**Chapter 211 Pyramids** 

**GA** Chapter Chair 2014/2017

**Chapter President** 2023/2024

Third Year of 3 Years GA RVC Term 2022/2025



### RAL 21 chapters

- Alexandria
- Bahrain
- Cairo
- Central
- **Pakistan**
- Faisalabad
- Jordan
- Kuwait
- Lebanon
- Libya
- Nigeria

- Northern Pakistan
- Oman
- Pakistan
- Pyramids
- Qatar
- Saudi Arabia
- South Africa
- Sudan
- Turkey
- UAE (Falcon)



### CRC Report (Pakistan 2024)

#### 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 RAL - GAC Report Jan 2025
CRC	
Total number of chapters in region	21
Number of chapters present	20
Number of GA chapter chairs present	10
Percentage of participation	95%
Percentage of GA chapter chair participation	50%
No. of planning sessions held	2
PAOE	
No. of Chapters Reporting PAOE Points:	8
No. of Chapters Making Society Minimum :	6
No. of Chapters Making Society PAR :	2
Highest PAOE Points by a Chapter:	1650
Percentage of chapters reporting	40%
Percentage of chapters making Society Minimum	20%
Percentage of chapters making Society PAR	12%
CHAPTER VISITS	
No. of visits made:	0
No. of visits scheduled:	2
Percentage of chapters visited:	0%
GAC AWARDS	
Government. Affairs Award	
Government Outreach Days	
No. of Chapters Participating	8
No. of government officials visited	100+
No. of ASHRAE members participating	25
No. of Chapters reporting	0
No. of days duration	8



### CRC workshop in Karachi, Pakistan





### RAL RPM in Cairo (May, 2024)





### During RPM Discussion and Training workshop

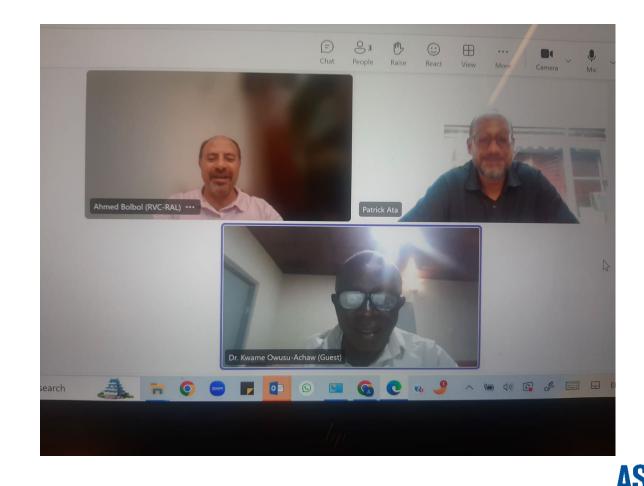






### ONLINE Meetings invited by Sudan & Ghana Chapters





### Falcon Chapter Achievement



# Standard 241 Adoption by UAE Authorities







# North Pakistan in GA nights





# Jordon chapter: Towards zero-energy buildings lecture by Rupesh lyenger in the Ministry of Public Works & Housing in 2-12-2024







# Central Pakistan & UNIDO with Federal Ministry for Economic Affairs & Climate





# Pyramids chapter activities

 Egyptian Ministry of Environmental with UNEP Training and gathering to decrease global warming









# Regional Accomplishments:

- ✓ Falcon chapter achieved the standard 241 adoption as the first chapter between all ASHRAE chapters worldwide.
- ✓ North and central Pakistan had a government outreach nights where gathering many governmental entity and persons to discuss an ASHRAE issues.
- ✓ Pyramids Chapter had many numbers of government outreach to support discuss Environmental and global warming
- ✓ Jordan chapter had a multi seminars with governmental authorities.



# Challenges

- 1) To have better reports from the GAC.
- 2) Two online meetings for the next half year
- 3) More Chapter visits (RVC and RAL responsibility).
- 4) To have a GA committee in each chapter.



# Lessons Learned

- 1) More support for struggle chapters (Libya, Sudan, South Africa ... etc.)
- 2) Be sure that each chapter has GA Committee
- 3) Increase the online meeting specially to under-standing the reporting.
- 4) Interacting between the GA activities with other committee and increase the outreach attendance.



# THANK YOU



ABOUT -

TECHNICAL RESOURCES -

PROFESSIONAL DEVELOPMENT -

**CONFERENCES** -

**COMMUNITIES** -

MEMBERSHIP -



# 2025 ASHRAE WINTER CONFERENCE

ORLANDO, FEB 8-12 | AHR EXPO, FEB 10-12

LEADERSHIP PRESENTATION

# **ASHRAE Policies**



**ABOUT** 

**TECHNICAL RESOURCES** 

PROFESSIONAL DEVELOPMENT

**CONFERENCES** 

**COMMUNITIES** 

**MEMBERSHIP** 

#### 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.

#### 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.

#### 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.



**ABOUT** 

**TECHNICAL RESOURCES** 

PROFESSIONAL DEVELOPMENT

**CONFERENCES** 

COMMUNITIES

**MEMBERSHIP** 

## MARKETING CENTRAL

ASHRAE has a NEW TAGLINE! Shaping Tomorrow's Global Built Environment Today.



**Download Now at Marketing Central** 

**Download** 

# 2025-28 ASHRAE Strategic Plan



**ABOUT** 

**TECHNICAL RESOURCES** 

PROFESSIONAL DEVELOPMENT

**CONFERENCES** 

**COMMUNITIES** 

**MEMBERSHIP** 

# **2025-28 Strategic Plan Available for Committees and Councils**



A preview of the new Strategic Plan is available for committees, councils and chapters to reference while planning for the upcoming Society year.



The complete 2025-28 Strategic Plan will be announced at the 2025 ASHRAE Annual Conference.

Download the Strategic Plan at ashrae.org/strategicplan

**Download** 

# **ASHRAE Board of Directors**



**ABOUT** 

TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

CONFERENCES

COMMUNITIES

**MEMBERSHIP** 

**President** 



M. Dennis Knight, P.E. BEMP, Fellow Life Member ASHRAE Mt. Pleasant South Carolina

**President-Elect** 



Bill McQuade, P.E., CDP Fellow ASHRAE Jessup, Maryland

**Treasurer** 



**Sarah Maston, P.E., BCxP**, LEED AP Hudson, Massachusetts





**Jeff Littleton**Peachtree Corners,
Georgia

**Vice Presidents** 



**Devin Abellon, P.E.**Portland, Oregon



Kenneth Fulk, P.E. Allen, Texas



Wade Conlan, P.E. BCxP, CxA Maitland, Florida



**Chandra Sekhar, Ph.D., CPEng.** Fellow ASHRAE Singapore

# **ASHRAE Director and Regional Chairs**



**ABOUT** 

**TECHNICAL RESOURCES** 

PROFESSIONAL DEVELOPMENT

**CONFERENCES** 

**COMMUNITIES** 

**MEMBERSHIP** 

**Region I** 



**Charles Bertuch** Manlius, New York

**Region II** 



**Genevieve Lussier** Quebec, Canada

**Region III** 



Sherry Abbott-Adkins, P.E., CPD, GPD, **LEED AP** Westminster, Maryland

**Region IV** 



**Bryan Holcomb** Oak Ridge, North Carolina

**Region V** 



James Arnold, P.E. Dublin, Ohio

**Region VI** 



Susanna Hanson Sturgeon Bay, Wisconsin

**Region VII** 



Scott Peach, P.E. Mobile, Alabama

**Region VIII** 



Oklahoma City, Oklahoma

**Region IX** 



Jonathan Smith, P.E. Lenexa, Kansas

**Region X** 

Buzz Wright, P.E. Tucson, Arizona **Region-at-Large** 

**Region XI** 



**Rob Craddock** Saskatchewan, Canada

**Region XII** 



John Constantinide, P.E. Merritt Island, Florida





Cheng Wee Leong, P.E., Singapore



**Joseph Sanders** 

**Region XIV** 



Mahroo Eftekhari, CEng., DPhil Loughborough, UK

**Region XV** 

Richie Mittal, Fellow ASHRAE New Delhi, India



Bassel Anbari, P.E. Abu Dhabi, United Arab Emirates

# **ASHRAE Directors at Large**



**ABOUT** 

TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

CONFERENCES

COMMUNITIES

**MEMBERSHIP** 



**Doug Cochrane, P.Eng., CDP**Mississauga, Ontario, Canada



Blake Ellis, P.E., CDP Overland Park, Kansas



**Patrick Marks, P.E.** York, PA



**Corey Metzger, P.E.** Omaha, NE



**Carrie Brown, Ph.D**. Oakland, California



**Wei Sun, P.E.**Ann Arbor, Michigan



**David Yashar, Ph.D.**Gaithersburg, Maryland



**Luke Leung, P.E, BEMP** Clarendon Hills, Illinois



**Heather Schopplein-Anderson, P.E.** Santee, California

# **Government Affairs**

ASHRAE

**ABOUT** 

**TECHNICAL RESOURCES** 

PROFESSIONAL DEVELOPMENT

**CONFERENCES** 

**COMMUNITIES** 

**MEMBERSHIP** 

#### **GOVERNMENT OUTREACH**



**Get Involved! 136** Government Outreach Events during the 23-24 SY

#### **GOVERNMENT AFFAIRS UPDATE**



### **BI-WEEKLY NEWSLETTER**

Sign up for the Government
Affairs Update
online or email
GovAffairs@ashrae.org

#### **LETTERS & TESTIMONY**



180 Technology Parkway, NW • Peachtree Corners, GA 30092-2977 • Tel: 404.636.8400 • Fax: 404.321.5478

Ginger Scoggins 2023-2024 ASHRAF Presiden Engineered Designs, Inc. 1151 SE Cary Pkwy., Ste. 200 Cary, NC 27518 Phone: (919) 851-8481

November 17, 2023

California Energy Commission Docket Unit, MS-4 Docket No. 22-BSTD-01 715 P Street Sacramento, California 95814

Sent via email to: docket@energy.ca.gov

RE: Docket 22-BSTD-01: 2025 Update to California Energy Code

Dear Chair Hochschild and Commission Members

Thank you for the opportunity to comment on Docket 22-BSTD-01, California's proposed 2025 Building Energy Efficiency Standards.

ASHRAE is a technical and professional society with a mission to serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields. Our more than 51,000 members include over 3,000 members in California. Since 1894, ASHRAE has been involved in improving technology for the built environment, including through research, voluntary consensus-based standards development, training/education and certification.

# **Government Affairs**



**ABOUT** 

**TECHNICAL RESOURCES** 

PROFESSIONAL DEVELOPMENT

CONFERENCES

**COMMUNITIES** 

**MEMBERSHIP** 

## Share your Expertise with Government Officials through the new **SMEs for GOEs** Program





Policymakers and elected officials need your expertise to make better decisions as they craft legislation and regulations impacting HVAC&R and the built environment.

The Government Affairs Committee (GAC) has developed a new program to identify Subject Matter Experts (SMEs) who can effectively communicate with non-technical audiences such as government officials

**BE THE SOURCE** of technical expertise for these decisions!

Sign up online or email GovAffairs@ashrae.org

# RP and ASHRAE Foundation: Supporting ASHRAE's Mission



**ABOUT** 

**TECHNICAL RESOURCES** 

PROFESSIONAL DEVELOPMENT

CONFERENCES

**COMMUNITIES** 

MEMBERSHIP

# Society Year ending June 30, 2024



**\$2.7M Research Promotion Campaign** (Research, YEA, ALI, Scholarships, General)



**\$1.5M** Raised for Endowments



**\$232,100** Awarded through 52 Scholarships



\$1.9M Raised for Research



**\$57,600** Raised by College of Fellows and Life Members Club



**\$1.18M** Given by ASHRAE Regions, Chapters and Sections

More than 4,000 contributions from Members, Organizations and other Associations

# **Center for Excellence in Building Decarbonization (CEBD)**



**ABOUT** 

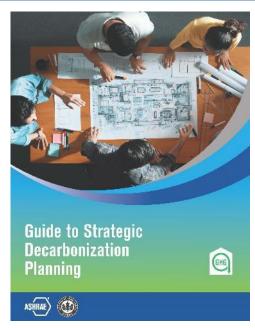
**TECHNICAL RESOURCES** 

PROFESSIONAL DEVELOPMENT

CONFERENCES

COMMUNITIES

**MEMBERSHIP** 





- Developed Project Summaries for eight (8) CEBD projects
- New eLearning Course on Grid Interactive Buildings
- Publication of Guides:
  - Grid Interactive Buildings for Decarbonization Design
  - Decarbonizing Hospital Buildings
  - ✓ TM65 Addendum for North America with CIBSE
  - Building Decarbonization Retrofits for Commercial & Multifamily Buildings
  - ✓ Decarbonizing Building Thermal Systems: A Guide for Applying Heat Pumps & Beyond with NREL
  - ✓ Whole Life Carbon Guide for Building Systems: In Process
  - Guide to Strategic Decarbonization Planning with USGBC: In Process

# **Standards**



ABOUT TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

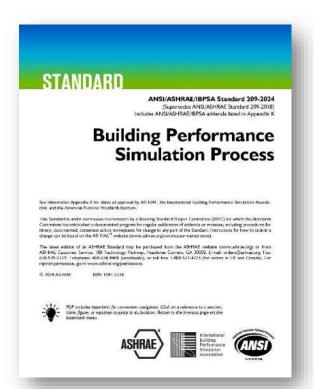
**CONFERENCES** 

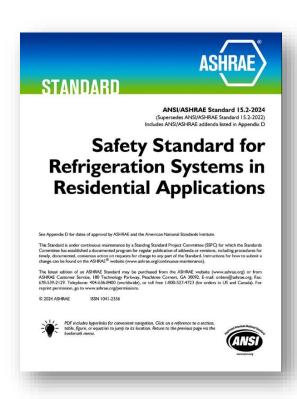
**COMMUNITIES** 

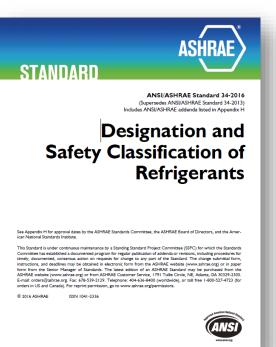
**MEMBERSHIP** 

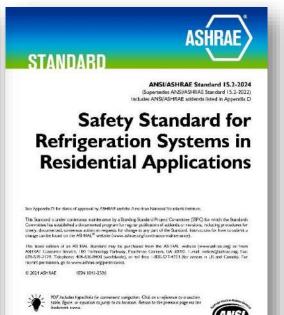
#### **Building Energy Modeling**

### **Updated Early! Refrigeration Safety Standards**









# **ASHRAE Bookstore**



ABOUT TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

CONFERENCES

COMMUNITIES

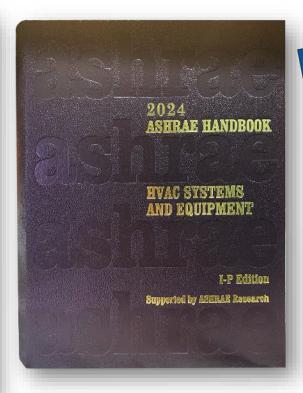
MEMBERSHIP

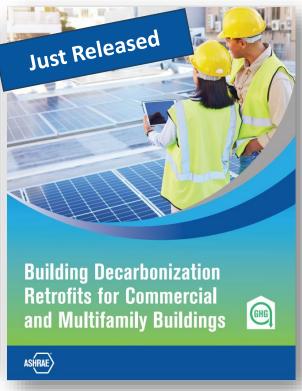
## **Get the Latest and Greatest Publications**

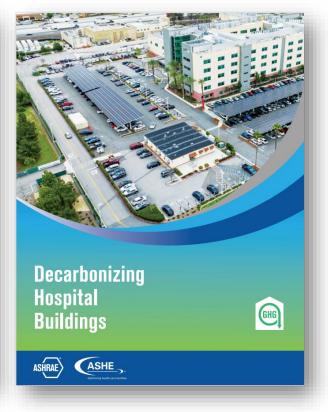
Handbook of Smoke Control Engineering

Second Edition

John H. Klote
James A. Milke
Paul G. Turnbull
Ahmed Kashef
Duncan A. Phillips
Douglas H. Evans
William A. Webb
Michael J. Roth







# **Professional Development**



ABOUT TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

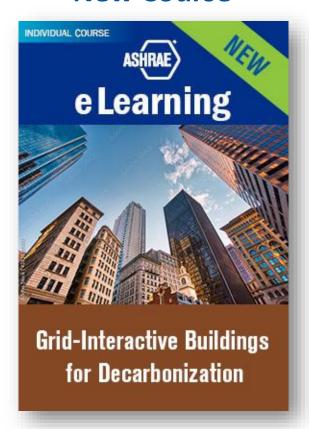
CONFERENCES

COMMUNITIES

**MEMBERSHIP** 

# **eLearning**

#### **New Course**



# **ASHRAE Learning Institute**

#### **New Training in Orlando**

Ultra-Low-Energy Buildings and Microgrids: Tools for Resilience and Decarbonization February 10 | 2:45 PM



Solar Energy Systems Design, Applications, and Real-World Best Strategies
February 11 | 9 AM

## Certification

#### **New Certification**



**Record Application Total in SY 2024** 

# **2025 Conferences**

**TECHNICAL RESOURCES ABOUT** 

PROFESSIONAL DEVELOPMENT

**CONFERENCES** 

COMMUNITIES

**MEMBERSHIP** 

Qatar, Doha, April 23-24, 2025

**Third International Conference on Energy** and Indoor Environment for Hot Climates

Denver, August 13-15, 2025

**2025 ASHRAE Conference for Integrated Design, Construction & Operations** 

Montreal, September 24-26, 2025

**IEQ 2025 Conference** Co-Organized by ASHRAE and AIVC

Chicago, October 22-24, 2025 **2025 ASHRAE Building Decarbonization Conference** 

Clearwater Beach, Fl, December 8-11, 2025

**Buildings XVI Conference** 



Registration opens in Spring 2025. See you in Phoenix!

# **ASHRAE** at the AHR Expo



ABOUT TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

**CONFERENCES** 

COMMUNITIES

# Meet and Greet with Dennis Knight at the **ASHRAE Booth (3201)** Monday at 3:00 PM



M. Dennis Knight, P.E., BEMP, Fellow ASHRAE 2024-25 ASHRAE President

Stop by the ASHRAE Booth 3201 and Bookstore 455 while at the AHR Expo.

Your paid conference badge provides entry to the show.

Grab your ASHRAE Member device charging lanyard while visiting the ASHRAE booth!

# **New ASHRAE Region XV**



ABOUT TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

CONFERENCES

**COMMUNITIES** 

**MEMBERSHIP** 



Director and Regional Chair: Bassel Anbari



Director and Regional Chair: Richie Mittal

# **Committees and Student Scholarships**



**ABOUT** 

**TECHNICAL RESOURCES** 

PROFESSIONAL DEVELOPMENT

CONFERENCES

**COMMUNITIES** 

**MEMBERSHIP** 

#### Find Committees and Nominate Yourself or Others

FEB 2025

February 14: Nominations for appointed committees are due.

JUN 2025 **June:** Speak with your committee ExO/CO if your current appointment/elected position ends to be nominated for another.

SEP 2025 **September:** Nominations for elected positions are due. (Publications & Education Council, Tech Council, RAC, TAC, Standards, Handbook, Nominating)

#### **Communities > Student Zone > Scholarships**

44 Society Scholarships Available for 2025-2026 SY

Each year the ASHRAE Foundation awards scholarships of up to \$12,500 USD each to qualified students.



**Spread the word** to students and encourage them to apply.



**Consider donating** to help support the scholarship program.

# Membership



**ABOUT** 

TECHNICAL RESOURCES

PROFESSIONAL DEVELOPMENT

**CONFERENCES** 

**COMMUNITIES** 

**MEMBERSHIP** 

# **Have you selected your Annual Membership Benefit?**

Benefits are selected during the join & renewal process. If you haven't done so, login and select from benefit options available.



## New, Full Dues Paying Members Automatically Get:



#### **HONORS & AWARDS**

The following award nominations have a May 1 deadline:

Fellow | Honorary Member | ASHRAE Hall of Fame | F. Paul Anderson Award ASHRAE Pioneers of the Industry | Award for Distinguished Public Service

# **Media Inquiries**





# Asked to make a statement on behalf of ASHRAE?

Please send all media inquiries to publicrelations@ashrae.org

before responding to members of the press.



# Thank you! Questions or Comments?

ashrae.org



# Status Update on Efforts to Improve the Effectiveness of the Government Affairs Website

Sonya M. Pouncy, Communications Coordinator Government Affairs Committee

SY 24-25 Winter Meeting

# 2025 WINTER MEETING

# UPDATE FROM THE GAC COMMUNICATIONS COORDINATOR





Effort: Work with other relevant ASHRAE bodies to 1) share needs from gov't officials and 2) improve ASHRAE's communicate via the web and social media

**Initiative 1:** 

Improve access to local and regional GAC leadership.

We are in the process of submitting the following suggestion to the Members' Council PAOE Subcommittee for SY25-26:

Value: 50 Points

Criteria: 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.

Status: Working with committee members and staff to get the

suggestion properly submitted



# 2025 WINTER MEETING

# UPDATE FROM THE GAC COMMUNICATIONS COORDINATOR





Effort: Work with other relevant ASHRAE bodies to 1) share needs from gov't officials and 2) improve ASHRAE's communicate via the web and social media

#### **Initiative 2:**

Increase the information pertaining to activities and opportunities internationally.

Concept: To expand ASHRAE's international GAC news by

establishing continental policy update pages

similar to the existing European Policy Update webpage. The first

expansion will establish an African Policies Update webpage.

Scope: The page will provide <u>quarterly</u> briefs on the political, legislative, and

regulatory developments in the heating, cooling, ventilation, air

conditioning, and refrigeration (HVACR) sector at the national levels in

African countries with ASHRAE chapters and sections (Egypt, Ghana,

Nigeria, and South Africa).

Status: Currently in conversation with Denton Global Advisers, who provide

monthly content for ASHRAE's European page, to also provide content

for an African Policies Update page

Current Budget Price: \$25,000 per year

Convening a "charrette" meeting with RAL and chapter leadership to

discuss the desired features and items of the new page.

## TECHNOLOGY COUNCIL Notes for GAC 2/7/25

These are notes that I (Heather Schopplein) think will be of interest to the GAC committee.

They are a small fraction of the work being done by the Council and its Standing

Committees.

Technology Council will be presenting a motion to the board to revise the ROB for Position Documents and Public Policy Issue Briefs. Quick notes on proposed changes:

- Definition is added about how new Position Documents requests are sent to the Technology Council chair for consideration. Technology Council would then recommend the new Position Documents to the Board of Directors Executive Committee for approval.
- Technology Council would be able to approve revisions to existing Position Documents if there are no proposed changes to the title, purpose and scope (TPS).
- Technology Council would recommend TPS changes to the Position Documents to the Board of Directors Executive Committee for approval.

The special projects subcommittee is working with CEBD to prioritize projects and develop/propose a budget for presentation to the Board of Directors here in Orlando.

The following motions will be presented to the Board of Directors from the council and/or one of its standing committees:

- Revision to the Energy Efficiency in Buildings position document (PD).
- Reaffirm the Limiting Indoor Mold and Dampness in Building Position Document.
- Title, Purpose and Scope (TPS) be approved and a new Guideline Project Committee be formed for "Operational Best Practices for Air Quality within Commercial Aircraft"
- IBPSA be approved as a cosponsor of Proposed ASHRAE Standard 229P, Protocols for Evaluating Ruleset Application in Building Performance Models, with ASHRAE as the lead

Technology Council approves that ASHRAE Staff be requested to create an infection control webpage (similar in design and purpose as the Epidemic Task Force (ETF) website)

Refrigeration/CPCC (REF-CPCC) is revising the *Refrigerants and their Responsible Use* Position Document. The final draft to be issued before the Phoenix Annual Meeting for Council approval.

Technology Council approved a motion from the Residential Building Committee to have a stakeholder's workshop to be held at the 2025 Building XVI Conference.

Global Technical Interaction Committee (GTIC) created formal liaisons with Government Affairs Committee (GAC) and ASHRAE Associate Society Alliance (AASA) were created.

Student Activities Committee Report to the GAC Bob Snow February 5, 2025

As a committee [Student Affairs] has discussed with our chapter chairs ways to get involved with day on the hill and other GAC events at their chapter level and to promote those events with their Student Branch Advisors. We have been working to find areas where our processes, competitions, etc. are unintentionally leaving certain groups or regions out or creating unnecessary hurdles for them and removing them as we find them. We have changed our design competition to include both SI and IP to remove the need to convert as non-US areas are not as accustomed to conversions as those in the US. We have continued to increase the numbers of grant applications we receive each year. This year we increased the prize amount for the top scoring applicant to be \$20,000, up from the \$5,000 that each selected applicant receives. We were able to do this without reducing the number of applicants that are awarded.

#### **GOVERNMENT AFFAIRS CATEGORY 2024-25 PAOE**

	MINIMUM: 500 POINTS	PAR: 1250 POINTS
Preside	ential Initiatives:	
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 Decarbonization position (Policy) document with a government, department, policy maker or agency
Efficien	t use of volunteers' time:	
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
Awards	and Submission Activities:	
GA6	100 points; (300 points maximum)	For each Chapter Government Affairs Award entry into Society or Regional competition (each Award entry counted only once)
GA7	50 points; (250 points maximum)	For each article on a government affairs activities-related (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)
Meeting	gs, Presentations or Events:	
GA8	100 points; (200 points maximum)	For each joint chapter meeting with local, state, or provincial government entity to discuss a built environment or HVAC&R industry-related topic (Must show RVC confirmation of joint planning with the other entity to promote the meeting)
GA9	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
GA10	50 points; (200 points maximum)	Holding a chapter meeting with a government official attending focusing on the <b>Society Theme</b> and the need for more people in the HVAC&R and buildings industry, including the need for capacity building within the building codes adoption and enforcement sector.
GA11	100 points; (200 points maximum)	For each chapter meeting with a government official in attendance with a technical presentation related to Building Decarbonization
GA12	50 points; (100 points maximum)	For each Chapter program on the topic of government activities (minimum 45 minute presentation; maximum 2)
GA13	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
GA14	200 points; (600 points maximum)	For each piece of legislation that ASHRAE chapter members are able to get sponsored at the local or state level. The legislation should 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

#### **GOVERNMENT AFFAIRS CATEGORY 2024-25 PAOE**

RVC Assigns/Enters the following points:						
GA15	50-150 points; (150 points maximum)	For the incoming Chapter GAC committee chair attending the GAC CRC workshop (50 points for chapter representative other than the chair who is a senior officer or member of GAC)				
GA16	50-100 points; (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 related subjects or Chapter goals and objectives, with notification and submit a record via the online portal sent to the ASHRAE Government Affairs Office (Points will only be given 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.)				
GA17	100 points; (200 points maximum)	For chapter submitting local issues related to ASHRAE and decarbonization, identified with goals and report(s) to RVC (with a cap of 200 points in one year)				
GA18	50-100 points; (100 points maximum)	For planning/goal setting session with RVC (points assigned by RVC by October 1 or 2 weeks after the CRC, whichever is later)				
GA19	10 –300 points; (300 points maximum)	For achieving goals established in goal-setting session with RVC (points assigned by RVC by June 30)				



# ACTION ITEMS GOVERNMENT AFFAIRS COMMITTEE SY 2023-2024

Last Updated: February 7, 2025

					G10				
#	Action	Assigned To	<b>Due Date</b>	Status	C/O				
	Added at 06-21-2024 Annual meeting								
1	Organize informal gathering at the	Karson	December	Karson is	С				
	2025 Winter meeting to discuss		2024	scheduling this					
	advocacy and ASHRAE positions.			meeting –					
	Target date would be Saturday.			targeting for Sat.					
A .1 .	1-1 10 20 2024			Feb. 8.					
Added at 10-30-2024									
2	Review the redline of the Resource	All GAC	November 30	11/07 – Persily	O				
	Manual and provide comments to	Members	30	provided					
	Jacob Karson ( <u>jkarson@ashrae.org</u> ) (Redline is available on Basecamp)			Jacob sent out an					
	(Redfine is available on Basecamp)			email to the GAC					
				on 11/22 asking for					
				any					
				comments/feedback					
				from the GAC					
				members; only					
				comment received					
				was "this looks					
				good."					
3	Submit PAOE recommendations to	Chairs of PPSC,	November						
	GAC Vice Chair (Meghan McNulty at	MMSC, and	30						
	meghan.k.mcnulty@pnnl.gov)	GASC							
4	Review the Manual of Chapter	All GAC	Nov. 15	Responses	C				
	Operations GAC Sections and provide	Members		provided by Hayter,					
	comments/edits as needed.			Persily, Johnston,					
	Please send to Sheila & Alice			Rivera.					
	(sheila.hayter@nrel.gov and			Suggestions sent to					
	ayates@ashrae.org)			Members Council					
	(Note that the GAC Sections of the			on November 26,					
	Manual of Chapter Operations is			2024.					
	available on Basecamp)	_							
5	Share feedback on the GAC mentoring	All GAC	December		С				
	program to Sheila Hayter	Members	31						
	(sheila.hayter@nrel.gov)								
	(bhona.nayor @ mor.gov)								
		<u> </u>		l l					



#	Action	Assigned To	Due Date	Status	C/O				
6	Send an email to the RVCs explaining the new legislative alert system that	Karson	ASAP	Email sent Nov. 5.	С				
	staff will use.								
Ada	Added at 02-07-2025 Winter meeting								
7	Send thank you notes to government officials who participated on the GAC Advisory Board	Staff	ASAP						
8	Prepare one slide on how to request complimentary copies of ASHRAE Standards (question came from Dr. Varun Jain)	Staff	ASAP						
9	Ask if the DL list can be categorized by PPPs (question came from Dr. Varun Jain)	Staff	ASAP						
10	Review new training slides from agenda item #15-a and consider modifying the language	Staff	ASAP						
11	Ask Honors and Awards Committee if something can be given to nominees for the Society Award, such as a certificate or if not possible than a letter ("special mention") and to the RVC who submitted the nomination	Staff	ASAP						
-									
			1						