

# **MINUTES**

# GOVERNMENT AFFAIRS COMMITTEE SATURDAY, JANUARY 29, 2022 8:00 AM – 12:00 PM PST ~Hybrid Meeting~

# Approved by the GAC on May 5, 2022.

# **ATTENDANCE**

Members Present	Members Absent	<u>Guests</u>	<u>Staff</u>
Chad Smith, Chair	None	Blake Ellis, PLC	Alice Yates
Darryl Boyce, Vice Chair *		Matt Jesson	<b>Emily Porcari</b>
George "Billy" Austin		Jim Wolf	Isla Kennedy *
Cindy Callaway *		Samantha Slater	Patricia Ryan
Bryan Holcomb		Dennis Knight	
Michael Wolf		Erin Kempster, Energy Solu	tions
Sheila Hayter *		David Underwood	
Meghan McNulty *		Ryan Williams	
Nanette Lockwood *		Doug Cochran	
Artorius "Arthur" M. Reyes		Trent Hunt	
Mike Genin *		Robert Bryant	
RJ Hartman *		Don Weeks	
Tim Ashby *		Alara Apcin	
Louis Van Belle		Matt Young	
Beth Tomlinson *		Tim Campbell, Dallas Chapt	ter
Jessica Gardner *		Harrisan Kesling, LeaDRS	
Damon McClure		Heitor Tremea, LeaDRS	
Andrea Phillips *		Artoro Thor de Koos	
Colin Laisure-Pool		Ayman Eltalouny	
Daryl Collerman *		John Constantinide	
Tim Theriault			
Yew "Albert" Sin*			
George Pantelidis *			
Gian Chand Modgil *			
Sonya Pouncy			
Ken Fulk			
Eduardo Conghos *			
Ginger Scoggins			

<sup>\*</sup>Indicates virtual attendance.

# CALL TO ORDER, WELCOME AND ROLL CALL

Chad Smith called the meeting to order at 8:02 a.m. PST and welcomed the attendees, acknowledging that there were both in-person and virtual attendees. A quorum was present.



# **GUEST INTRODUCTIONS** – Chad welcomed the following guests:

- Blake Ellis, Planning Committee
- Matt Jesson, former GAC RVC for Region 6
- Samantha Slater, AHRI
- Jim Wolf, ASHRAE Presidential Member and former Chair of the GAC
- Dennis Knight, International Standards Task Force

### ASHRAE CODE OF ETHICS

Smith read the summary of the Code of Ethics commitment.

In this and all other 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 we shall avoid all real or perceived conflicts of interests.

(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: https://www.ashrae.org/about/ashrae-s-core-values)

# ASHRAE COMMITMENT TO CARE STATEMENT

Smith read the following statement which was needed due to the coronavirus pandemic:

The health and safety of all ASHRAE conference attendees is a top priority. Out of respect for our fellow attendees, we commit to wear masks indoors, monitor our health, seek medical attention if symptoms develop and adhere to all <u>ASHRAE Commitment to Care</u> protocols. We are committed to the well-being of one another.

### HYBRID MEETING BEST PRACTICES

Smith reviewed best practices for operating in a hybrid meeting (See Attachment).

## **REVIEW OF AGENDA**

Smith reviewed the agenda, noting that it should be Version 6 from basecamp and asked if there were any items or modifications to the agenda as presented. No changes were requested and the agenda was accepted as proposed.

# APPROVAL OF MINUTES FROM DECEMBER 2, 2021 MEETING

Smith asked to review the minutes from the last GAC meeting on December 2, 2021. No comments or revisions were identified.

**MOTION:** To approve the minutes of December 2, 2021 as written.

Motion made by Colin Laisure-Pool and seconded by Artorius Reyes.

MOTION PASSED: APPROVED BY VOICE VOTE (CNV). NO OBJECTIONS.



### **UPDATE ON ACTION ITEMS**

Yates reported on the status of Action Items (see Attachment).

### REPORT FROM ASHRAE GOVERNMENT AFFAIRS OFFICE

The staff team (Alice Yates, Emily Porcari, and Isla Kennedy) reported on what staff is involved with. Yates also introduced Isla Kennedy as the newest staff member and explained that she will be staff liaison to the GAC Global Affairs Subcommittee. Yates also reported that they should have a hire for Jeremy Pollack's replacement in two weeks. (Presentation is provided in the Attachment)

### SUBCOMMITTEE REPORTS AND MBO STATUS

Chairs of each of the GAC Subcommittees reported on the work of their subcommittees and provided updates on their MBOs (see Attachment for a summary of the updates).

<u>Executive Subcommittee</u> – Smith reported that have met 3 times, and noted that the GAC subcommittee chairs do a phenomenal job, and he appreciates everyone's work.

<u>Policy and Programs Subcommittee</u> - Tim Ashby reported that this subcommittee has done a lot of work reviewing and updating the PPIBs and will bringing revised and updated PPIBs as well as a couple of new PPIBs (possibly wildfire and indoor air quality and electric nicotine delivery systems) to the GAC at its spring meeting.

<u>Member Mobilization Subcommittee</u> - Colin Laisure-Pool reported that they are working with the RVCs on outreach events, and should be able to meet the GAC goals (See Attachment) Chad Smith reminded the RVCs to encourage chapter chairs to submit GOE reports.

**MOTION:** That the Government Affairs Committee send the attached response to Members Council concerning a motion from Region VII (Louisville Chapter)

# MOTION PASSED: APPROVED BY VOICE VOTE (CNV). NO OBJECTIONS.

ACTION ITEM: Staff will add a slide to the CRC PPT training that speaks to this topic (i.e., chapters within a state should work together on advocacy). Due Date: Before Spring CRCs.

Global Affairs Subcommittee - Gian Modgil was not on the call at this time.

<u>Rules Subcommittee</u> - Darryl Boyce thanked the subcommittee members for their work on the GAC governing documents. The subcommittee proposed a revision of the MOP to clarify responsibilities for the PAOE recommendations.

**MOTION:** That the Government Affairs Committee recommend to Members Council that it approve a revision to the MOP (see Attachment) to clarify PAOE responsibilities.

MOTION PASSED: APPROVED BY VOICE VOTE (CNV). NO OBJECTIONS.



<u>Nominating Subcommittee</u> - Sheila Hayter reported that the nominating subcommittee did a nice job carefully considering several options to fill leadership roles.

The remainder of her report was conducted in Executive Session.

<u>Government Affairs Award Nomination</u> – Colin Laisure-Pool led this segment of the meeting, which was conducted in Executive Session.

<u>Mentor Program and Trainings</u> – Chad Smith provided an update on the mentorship program, and encouraged everyone to keep up the momentum on mentoring new GAC members.

# REPORTS FROM REGIONAL VICE CHAIRS

The GAC RVCs reported on highlights from their regions.

- Region I Artorius Reves reported for Region I.
- Region II Mike Genin reported for Region II.
- Region III RJ Hartman reported for Region III.
- Region IV Tim Ashby reported for Region IV.
- Region V Louis Van Belle reported for Region V.
- Region VI Beth Tomlinson reported for Region VI.
- Region VII Jessica Gardner reported for Region VII.
- Region VIII Damon McClure reported for Region VIII.
- Region IX Andrea Phillips was not present for this part of the meeting.
- Region X Colin Laisure-Pool reported for Region X.
- Region XI Darryl Collerman reported for Region XI.
- Region XII Tim Theriault reported for Region XII.
- Region XIII Albert Sin reported for Region XIII.
- Region XIV George Pantelidis reported for Region XIV.
- Region at Large Gian Modgil reported for the Region at Large.



## **REPORTS**

- a. ExO Report Ken Fulk presented a report from the Society Leadership (see Attachment)
- b. <u>Communications Coordinator Report</u> Sonya Pouncy provided an update on the MBO assigned to this position:

**MBO #9:** Improve the effectiveness of the Government Affairs Website (in cooperation with the PPSC and the MMSC)

Pouncy has developed a survey on the website, and is encouraging responses. So far, she has received about 25 responses (there are over 200 chapters)

- c. <u>Technology Council Representative Report</u>: Billy Austin explained that Tech Council is meeting later during the winter conference. Some other highlights include:
  - ETF continues to meet monthly, with the goal to sunset the ETF at the end of SY21-22, along with a transition plan so that its work is integrated into Society.
  - TAC developed a series of Leadership Training block videos, and these are a resource for all of ASHRAE. TAC is working to make PDH credits available for those who participate.
  - TFBD continues to meet bi-weekly and is making progress on many fronts.
  - Several Positions Documents are being written and updated including Building Decarbonization, Infectious Aerosols, Limiting Indoor Mold Growth and Dampness in Building Systems, Indoor Carbon Dioxide, and Filtration/Air Cleaning.
- **d.** <u>Members Council Representative Report</u> Bryan Holcomb reported that Members Council meets after the GAC, so he has no report.
- **e.** <u>Pub-Ed Council Representative Report</u> Cindy Callaway reported that the TFBD is holding several ALI courses in Toronto. The Global Training Center continues to operate virtually.
- f. <u>TFBD Update</u>—Smith reported that as we go into outreach season, it's important to report back to the GAC what public officials are looking for with regards to decarbonization.

# REPORTS FROM GAC COMMITTEE LIAISONS

<u>Building EQ Committee</u> – Darryl Collerman was recently appointed to this position and moving forward, he will be attending Building EQ Committee meetings.

<u>Environmental Health Committee</u> – Meghan McNulty and Don Weekes reported that they are meeting on Monday, Jan. 31.



<u>International Standards Task Force</u> – Dennis Knight reported that ASHRAE's International Standards Task Force is part of a strategic plan to bring ASHRAE's standards to the world. Knight has a more extensive report and will present it at the next GAC meeting, as time was too short at the Winter meeting.

### **GUEST REPORTS**

- a. UNEP Ayman Eltalouny, International Partnerships Coordinator, OzonAction-UNEP provided a report (see Attachment)
- b. AHRI Samantha Slater, Senior Vice President of Government Affairs, reported that AHRI is working to get building codes updated with ASHRAE Standards 15 & 34 so that the next generation of refrigerants can be used. AHRI wants to collaborate on advocacy with ASHRAE, and AHRI will coordinate with the staff team.
- c. Building EQ Update John Constantinide reported that the Building EQ Committee is considering adding a carbon metric, and they will be publishing an article in the ASHRAE *Journal* on a case study involving Building EQ.

### **OTHER BUSINESS**

Darryl Boyce asked for any recommended changes to the PAOE to be provided to him ASAP.

Jim Wolf reported that the Development Committee is working on a decarbonization proposal which should attract private funding.

### **NEXT COMMITTEE MEETING**

Smith reported that the next committee conference call meeting will be scheduled for sometime in March.

## MOTION TO ADJOURN

The meeting was Motion made by Colin Laisure-Pool and seconded by Damon McClure.

MOTION PASSED: APPROVED BY VOICE VOTE (CNV). NO OBJECTIONS.

Chad Smith adjourned at 12:29 PST

Respectfully submitted, Alice M. Yates, Staff Liaison

# **ASHRAE Commitment to Care Statement**



The health and safety of all ASHRAE conference attendees is a top priority. Out of respect for our fellow attendees, we commit to wear masks indoors, monitor our health, seek medical attention if symptoms develop and adhere to all ASHRAE Commitment to Care protocols. We are committed to the well-being of one another.



# **Hybrid Meeting Best Practices**

- 1. In the meeting room, **project your voice** and speak clearly.
- 2. Prior to speaking, whether in person or remote, **state your name** so others know who is talking.
- 3. When making or seconding a motion state your name
- 4. In the room **avoid all side conversations**. If you must have a side conversation, please step out in the hallway.
- 5. If you are in-person, please DON'T join the GoToMeeting due to bandwidth issues. If for some reason you must join (e.g., screen-sharing), please MUTE yourself, or we will have horrible feedback issues.
- 6. Remote participants: **please send a chat** when you wish to speak. If for some reason, you are not being recognizing, please speak up without being recognized.
- **7.** We can't guarantee that the remote function will work. We will do our best, but the conference was designed to be in-person.
- 8. **Thank you** for your patience and for working together through these challenges!



# ACTION ITEMS GOVERNMENT AFFAIRS COMMITTEE

Last Updated: January 27, 2022

#	Action	Assigned To	Due Date	Status	C/O
1	Provide a list of needs (resources, tools, educational products, etc.) that policy makers and elected officials are looking for from a technical perspective; please provide these lists to Chad and/or GovAffairs@ashrae.org In the list you send, please provide the name of the government group that was looking for this information, and/or the context for the request	All GAC Members	Oct. 22	11/22: Nothing yet received	O
2	Send recommendations to Hayter for SY22-23 GAC leadership.	All GAC Members	Nov. 30		О
Add	ded at 12-02-2021 meeting				
	None				
	ded at 01-29-2022 meeting (ASHRAE	Winter Meetin	ig)		
3					
4					



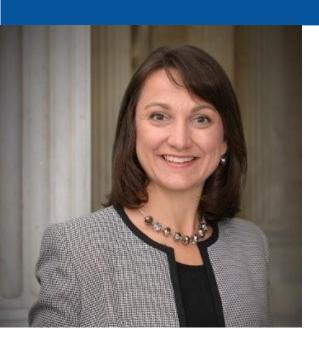
# Staff Report: Government Outlook and Opportunities for Engagement

Winter Meeting – January 2022

Alice Yates, Director of Government Affairs Emily Porcari, Manager of State and Local Government Affairs Isla Kennedy, Government Affairs Coordinator/Project Manager

# **Government Affairs Staff: Who Are We?**





Alice Yates
Director



Position to be Filled Federal

We have a team that is ready to support you!

Contact any of us at GovAffairs@ashrae.org

Isla Kennedy Coordinator/PM



**Emily Porcari State/Local** 



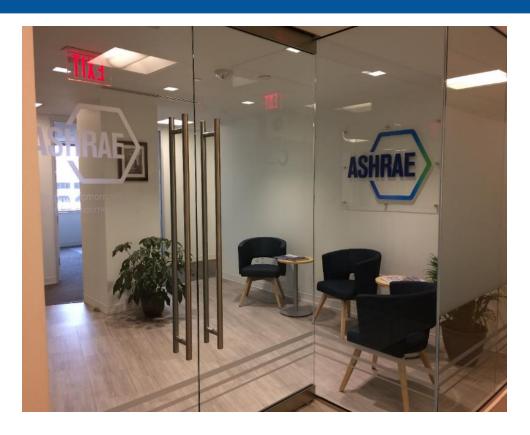


Patricia Ryan
Office Manager

# Where is the ASHRAE Government Affairs Office?







Our Office: 1255 23<sup>rd</sup> Street NW, Suite 825, Washington, DC You are welcome to visit when it is safe...

# What Staff Have Been Assigned To Do



# **ASHRAE Government Affairs Mission Statement:**

- To establish ASHRAE as a leading source for expertise in the built environment and a resource for policy-makers in the development of legislation and regulations affecting the public, the HVAC&R community, and the engineering profession.
- To this end the ASHRAE Washington D.C. office will:
  - Build relationships between the Society and all levels of government in the United States and with the appropriate international community representatives.
  - Facilitate the transfer of technical counsel and assistance on matters affecting the public, engineering profession and ASHRAE professional community.
  - Collect, digest and disseminate to members and staff relevant information regarding current or anticipated government actions.
  - Pursue technology transfer and government funding opportunities independently or jointly with other appropriate organizations.

# **Key Areas of Focus for Government Affairs Staff**



- Bi-Weekly Government Affairs Updates: sign up here!
- Support and planning for Government Outreach Events
- Planning and managing Senior Officer Meetings in DC
- Tracking legislation and regulations, drafting letters and testimony, connecting members with agencies and elected officials, strengthening relationships with aligned organizations



Public Law 110-140 110th Congress

To move the United States toward greater energy independence and security, to ncrease the production of clean renewable facts, to protect consumers, to increase he officiency of products, buildings, and vehicles, to promote research on and

(a) SHORT TITLE.-This Act may be cited as the ependence and Security Act of 2007 b) TABLE OF CONTENTS .- The table of contents of this Ac

Subtitle A-Increased Corporate Average Fuel Economy Standard

Sec. 104. Credit trading program Sec. 105. Consumer information.

106. Continued applicability of existing standards. Sec. 107. National Academy of Sciences studies.
Sec. 108. National Academy of Sciences study of medium-duty and heavy-duty

Periodic review of accuracy of fael economy labeling procedure

Use of civil penalties for research and developmen

clusion of electric drive in Energy Policy Act of 1992.

Supporting webinars, briefings, and hearings for policy makers

Supporting government grant applications and contracts (new)

# **GAC Staff Support**

Executive Subcommittee: Alice

Policy & Programs: Alice (temp)

*Member Mobilization*: Emily

Global Affairs: Isla

Nominating: Alice

Rules: Emily

# Aligned Organizations: Opportunities for Collaboration



- American Institute of Architects
- National Association of State Energy Officials
- International Code Council
- Green Building Initiative
- U.S. Green Building Council
- Air Conditioning and Refrigeration Institute
- International Facility Management Association
- International Institute of Refrigeration
- International Societies through the AASA





# **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 are in demand!



# Overall Global Outlook



- As a part of COP26, <u>136 countries</u> included building efficiency/decarbonization in their climate goals, up from 88 countries in 2015
  - 80 countries have national or sub-national building energy codes, 43 of which have mandatory codes.
  - However, 82% of estimated population growth by 2030 (and subsequent building construction) is in countries without mandatory building energy codes and 44% in countries without any building energy codes.
  - More nations and cities endorsed commitments to net-zero emissions than ever before. Over a thousand cities have now signed up to <u>Cities Race to</u> <u>Zero</u> to achieve net-zero carbon emissions by 2050 at the latest.

Sources: GlobalABC 2021; UNFCC Race to Zero

# U.S. Federal Efforts / the Biden Administration



- Set a new nationally determined contribution for the U.S. to achieve 50-52% reduction in GHGs in 2030 compared to 2005 levels
- By 2030: Establish a new net-zero emissions standard for all new commercial buildings
- By 2035: Cut in half the carbon footprint of the building stock through establishing building performance standards for existing buildings
- By 2035: Carbon-free power sector
- By 2050: U.S. achieves net-zero emissions
- Multiple Executive Orders Issued to advance these objectives

# Key U.S. Legislation of Relevance to the Buildings Industry



- Covid Relief: funds still being distributed
- Infrastructure: about \$1T-\$550B new money
  - EECBG-\$550M; SEP-\$500M; WAP-\$3.5B; state energy codes-\$225M; INSULATE Act \$250M; energy auditor training-\$40M; \$500M schools
- Build Back Better Act: \$3.5T → \$1.75T → ?
  - \$500B for Climate: \$320B for clean energy tax incentives; \$105B for resilience
- Appropriations: funds all Federal Government Agencies 12 bills
  - FY 2022 current CR expires February 18
  - FY 2023 Begins October 1, 2022
- Kigali Treaty: Received Nov. 16 needs two-thirds support

# Regulations of Interest



- DOE Energy Efficiency Standards
  - Over 30 efficiency standards are overdue for an update;
  - DOE has released multiple regulator proposals
  - For ASHRAE Equipment to be generally based on Standard 90.1
  - Proposed "Process Rule" to change regulatory development framework
- EPA Phasedown of HFCs (Implementation of the AIM Act)
  - Need to continuing working with states to adopt updated Standards 15 & 34
  - Concerns about cost increases for HFC refrigerants
- Implementation of American Rescue Plan (ARP), Infrastructure Bill, BBB\*

# State and Local Outlook and Targeting Outreach



- Legislatures are currently in session in **39** states, and will be starting in **8** more states in the next few weeks and months of 2022.
  - Contact staff for information on planning a Government Outreach Event!
- Many states are directing their federal COVID relief funding towards improving building systems and IAQ, especially in schools.
- States and cities are also focusing on their climate goals, including specific goals for building decarbonization.
  - Look for articles on these goals in the biweekly Government Affairs Update!
- Ongoing opportunities to support the adoption of ASHRAE standards
  - Standard 188 re: Legionella, Standard 100 re: Energy Efficiency in Existing Buildings



# GAC MBOs: Status Update SY2021- 2022

**Updated: 01-24-2022** 

MBO	Subcommittee Assigned	Metric	Status
1. Develop a long-term strategic plan for the GAC that will maximize the impact of member engagement.	Executive Subcommittee	Plan is developed by June 30, 2022.	A preliminary plan will be brought to the GAC in March 2022.
2. Increase the participation of ASHRAE members in Government Outreach Events and other advocacy opportunities by hosting promotional GAC meetings, webinars, and other events to non-GAC ASHRAE members to increase awareness about the GAC.	Member Mobilization	Hold a "intro to GAC" session at the 2022 Winter Conference that targets ASHRAE members who are not on the GAC. Host 2 "Office Hour" events. Create a DL presentation on the benefits of Government outreach for ASHRAE members.	Additional GAC "Office Hours" are being planned. Two Office Hours are planned for this Society Year, tentatively scheduled for the end of February and May.
3. Increase effectiveness of volunteer members through formalizing the GAC member mentorship program and the multimodule training system.	Member Mobilization	Mentorship program and training program are included in Resource Manual.	Staff has provided examples of mentoring documents for Subcommittee review. Subcommittee members will provide edits and additions to the Chair prior to the next Subcommittee meeting. Any proposed updates to the Resource Manual will then be shared with the Rules Subcommittee for review.
4. Build the foundation of a consistent global government engagement program by planning and identifying country- or region-specific events attended by government officials for the purpose of outreach and advocacy.	Global Affairs	Each global RVC identifies at least two events per region that are held annually.  Each global chapter chair holds a minimum of one government outreach event.  Each global chapter chair identifies the schedule for revision of Energy Codes/Building Codes of the country/state and lists	Subcommittee members are reaching out to GAC Chapter Chairs to ask what information or tools are needed by these chapters.  A list of events have been completed for Region XI.

MBO	Subcommittee Assigned	Metric	Status
		out the possibility of ASHRAE standards that can be referred in the relevant sections.  Each global affairs chapter chair develops list of the officer/s associated with the revision of codes and devise the means to get involved with the committee responsible for revision of codes.  The chair identifies the pool of expert speakers on ASHRAE standards and arrange meetings of these experts with the committee responsible for revision of codes so as to apprise them of the wealth of knowledge available in ASHRAE resources.	
5. Identify ASHRAE resources and develop advocacy materials that can help state, provincial, federal, and global governmental entities reach their 2030/2050 goals	Policy & Programs	Create at least one piece of advocacy collateral material to support outreach efforts.	Subcommittee is assessing needs, including from a global perspective. Subcommittee is also reviewing technical resources and assessing how they can be used for advocacy efforts. The 2030/2050 goals spreadsheet developed by staff will be posted to Basecamp and could be helpful for outreach efforts.
6. Work with International Standards Task Force to increase ASHRAE advocacy efforts, including through the tracking and adoption of ASHRAE standards around the world.	Global Affairs	Long-term coordination structure defined. Each global affairs chapter chair identifies societies/associations working towards sustainability, climate change, green/efficient/smart buildings. Each global affairs chapter chair identifies	GAC Member Pantelidis, the liaison to this group, is attending their meetings and assessing how the GAC should best coordinate with this task force.  Dennis Knight will be providing a presentation to the GAC at the Winter Meeting, which will help to clarify how the GAC will interface with this Task Force.

MBO	Subcommittee Assigned	Metric	Status
		sustainability/climate change/energy efficiency/decarbonization programs/schemes by all UN/International agencies working in the region.  Each global affairs chapter chair holds at least one outreach event with every organization.	
7. Assess how EHC and Residential Committee Emerging Issue Briefs can be used to inform ASHRAE advocacy	Policy & Programs	Review process for EHC Emerging Issue Briefs developed and defined.	Tim Ashby is conducting a review and will be working with Meghan McNulty to complete this review.
8. Establish a GAC Advisory Board made up of senior staff from various government bodies; this group would advise ASHRAE on what technical resources they need.	Policy & Programs	A group is formed that provides input to ASHRAE on resources needs for governmental purposes.	A couple of initial advisory groups were formed through outreach conducted by a WG of the TFBD.  The subcommittee is exploring how the advisory boards can be expanded, including through emphasizing soliciting feedback at Government Outreach Events.
9. Improve the effectiveness of the Government Affairs Website	Communicatio ns Coordinator, in cooperation with PPSC and MMSC	GAC evaluation indicates improvement.	Sonya Pouncy has been working with Emily Porcari to identify areas for updates. Pouncy also sent out a survey in December, to be completed by RVCs and chapter chairs, that is due in early February.



Last Updated: 01-20-2022

	Existing PPIBs	GAC PPSC Member	Recommendation
	LAISTING FF IDS	Responsible	Recommendation
1	Building Decarbonization	Nanette Lockwood	Edits Submitted
			Needs to be sent to TFBD to review.
2	Building Energy Benchmarking	Artorius Reyes	Leave As-Is
3	Climate Change and the Built Environment	Tim Ashby	Recommendation Needed
4	Consensus Standards- Expert Solutions to Meet Global Needs	Andrea Phillips	Minor Edits Submitted
5	Environmental Tobacco Smoke	Tim Ashby	Needs revisions so that it includes ENDS Consider renaming PPIB
6	Indoor Air Quality	Nanette Lockwood	Edits submitted; Jeremy made additional changes.
7	Refrigerants and Their Responsible Use	Nanette Lockwood	Minor edits submitted; Jeremy made additional changes.
8	Resiliency in the Built Environment	RJ Hartman	Minor Updates Completed (metrics have been reviewed and updated; RJ verified new values from NOAA) – uploaded to Basecamp
9	STEM Education & Workforce	Damon McClure	Some had earlier suggested making minor changes to make it more global.
			1/19/2022: Damon recommends to leave it as-is
	Potential New PPIB Topics	GAC PPSC Member Responsible	Recommendation
10	Wildfires and Indoor Environmental Health	Tim Ashby	Develop new PPIB?
11	Electronic Nicotine Delivery Systems (ENDS)	Tim Ashby	Merge with ETS PPIB
12	Carbon Pricing	Nanette Lockwood	Nanette sent draft to Tim Ashby for his review. 1/20: Discussed whether a carbon pricing "Info-Brief" would work, rather than a PPIB. Nanette will work with Alice on this.

# TRACKING GOVERNMENT OUTREACH EVENTS SY2021-2022

# PROGRESS CHART

	Target	Held	Scheduled	Planned	Delta
City/Local	32	20	0	25	13
State	24	19	4	18	18
Federal	15	4	0	9	-2
Global	13	7	0	19	14
In-Person		38	4	71	113
Virtual		12	0	0	12
Total	83	50	4	71	42

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

Note: Totals may not add up due

to rounding

	Number of		
SY21-22 SUMMARY	Attendees	Number of	
TOTALS (to date):	(ASHRAE Members)	Meetings	Number of Events
Local	10	10	20
State	8	6	19
Federal	3	5	4
Global	8	2	7
TOTAL:	29	23	50

	_						
In	Со	m	n	n	rıc	n	n

in Comparison			
	Number of		
	Attendees	Number of	
PREVIOUS YEAR (SY20-21)	(ASHRAE Members)	Meetings	Number of Events
State and Local	171	66	47
Federal	7	4	4
Global	126	54	24
TOTAL:	304	124	75

					Number of		Govt		
					Attendees		Outreach		
	Marie Provident	5	61		(ASHRAE	Number of	Form	Note if	
LOCAL	Meeting Description	Date	Chapter	Region	Members)	Meetings	Submitted?	Virtual	Comments
Held	Brevard County Energy Transition Plan (ETP) Meeting	9/22/2021	Gold Coast	XII	2	4	yes		Further meetings will be held on the ETP; also possible engagement on ASHRAE standards.
Ticia	HOLD for additional Gold Coast chapter	3/22/2021	Cold Codst	A			763		engagement on visitati standards.
	event	TBD		XII			no		
									re: proposed city ordinance (which was ultimately tabled),
	Event in Reno	9/20/2021		x			no		cannabis industry asked about Environmental Tobacco Smoke information
	Event in Keno	9/20/2021		^			110		Shared ETF resources with school facility managers and
	Meeting with Gwinnett County Public								officials. Plan to follow up with more technical info from
	Schools	10/4/2021	Atlanta	IV	4	1	yes	virtual	ETF Schools team if needed.
									Shared knowledge on city ordinances and building
	Meeting with Minneapolis and Indianapolis		Milwaukee and						decarbonization. Victor Nino will be meeting bi-weekly as technical support re: Standard 211 and Standard 100 in
	Offices of Sustainability	10/13/2021	Indianapolis	VI	2	1	yes	virtual	Milwaukee's city ordinance.
	HOLD for meeting with code officials in	,,			_		, ==		
	Cleveland	12/1/2021		VI			no		
	Kansas City meeting with code officials	TBD	Kansas City	IX			no		4
	meeting with Houston code officials	TBD	Houston	VIII			no		4
	HOLD for West Virginia meeting HOLD for West Virginia meeting	TBD TBD	West Virginia West Virginia	VII			no no		1
	HOLD for West Virginia meeting	TBD	West Virginia	VII			no		1
	HOLD for West Virginia meeting	TBD	West Virginia	VII			no		]
	HOLD for West Virginia meeting	TBD	West Virginia	VII			no		
	HOLD for West Virginia meeting	TBD	West Virginia	VII			no		4
	HOLD for West Virginia meeting HOLD for West Virginia meeting	TBD TBD	West Virginia West Virginia	VII			no no		-
	HOLD for West Virginia meeting	TBD	West Virginia	VII			no		†
									Discussion was on the draft Energy Transition Plan to be
									created by the Workgroup on Innovative Solar Energy
	Meeting with Brevard County	11/3/2021	Gold Coast	XII	2	4	yes		Resources (WISER).
	City of Doc Mainer	11/12/2021	Iowa Chapter	VI	2	1	1105		Introductory meeting with Jeremy Caron, Sustainability
	City of Des Moines	11/12/2021	iowa Chapter	VI	2	1	yes		Program Manager for the City of Des Moines, Iowa.  A presentation by John Constantinide was made on behalf
									of the Workgroup on Innovative Solar Energy Resources
									(WISER) on the workgroup-issued Energy Transition Plan.
									Bruce Lindsay followed up with Public Comment with
	2	42/7/2024	6.14.6	XII	_				commentary on the Plan in relation to installation of solar
	Brevard County Commission Meeting  Total Local Held:	12/7/2021 <b>20</b>	Gold Coast	All	2 10	1 10	yes	2	photovoltaic panels.
Scheduled									
	Total Local Scheduled:	0			0	0		0	
									presentation to 25 municipal building inspectors/officials in St.
Planned	St. Charles County, MO	February		VI					Louis metro area.
	NC school board	TBD		IV					
	GA school board	TBD		IV		4			
	Hold for Richmond School District Hold for Richmond School District	TBD		111					
	Hold for Richmond School District Hold for Richmond School District	TBD TBD		III					
	Portsmouth Energy Dept.	TBD		III					
	Louisville chapter meetings	TBD		VII					
	WV local	TBD		VII					
<u> </u>	Nashville local	TBD		VII					
	Lexington	TBD TBD		VII					
-	Birmingham Region V- meeting with local officials	TBD		VII					
	Region VI placeholder	TBD		VI					
	Region VI placeholder	TBD		VI					
	Region VI placeholder	TBD		VI					
	Region VI placeholder Region VI placeholder	TBD TBD		VI VI					
-	Region VI placeholder	TBD		VI					
	Region VI placeholder	TBD		VI					
	Region VI placeholder	TBD		VI					
	Region VI placeholder	TBD		VI					
<b></b>		TBD	ļ	VI					
	Region VI placeholder	TOO							
	Region X school board	TBD		X		2			
		TBD TBD 25		X	0	3 <b>7</b>		0	
	Region X school board Region X school board	TBD			0			0	

					Number of				
STATE	Meeting Description	Date	Chapter	Region	Attendees (ASHRAE Members)	Number of Meetings	Govt Outreach Form Submitted?	Note if Virtual	Comments
	Flood Resistant Design TAG								
Held	Meeting with MN Dept. of Labor and Industry	7/20/2021	Minneapolis	VI	1	1	yes	virtual	Discussion of flood-resistant design and code revisions
	,	., ,			_	_	755		8
	MN Dept. of Labor and Industry								Home builders recommended changing footing depth
	and MN Home Builders	8/4/2021	Minneapolis	VI	1	1	yes	virtual	levels based on changing ASHRAE Climate Zones.
	Meeting with new Commissioner								Discussed current commission review of energy code
	on the Oklahoma State Uniform		Northeast						and advocated for current version of 90.1, along with
	Building Code Commission	9/20/2021	Oklahoma	VIII	2	1	yes		ETF resources.
	MD Rep. Stein meeting with	/= /							
	Baltimore chapter HOLD for WV state meeting	10/7/2021 TBD	Baltimore West Virginia	VII			no no		Rep. Stein attended and discussed multiple bills
	HOLD for WV state meeting	TBD	West Virginia	VII			no		1
	HOLD for WV state meeting	TBD	West Virginia	VII			no		
	HOLD for WV state meeting	TBD	West Virginia	VII			no		
	HOLD for WV state meeting HOLD for WV state meeting	TBD TBD	West Virginia	VII			no		-
	HOLD for WV state meeting	TBD	West Virginia West Virginia	VII			no no		
	HOLD for WV state meeting	TBD	West Virginia	VII			no		]
	HOLD for WV state meeting	TBD	West Virginia	VII			no		]
	HOLD for WV state meeting	TBD	West Virginia	VII			no		-
	Hawaii chapter attending meeting re: adoption of 2018							l	
	IECC	TBD	Hawaii	х			no		
	Puget Sound Chapter panel								
	discussion with City of Seattle								
	and state energy officials  Meeting with member of the	11/16/2021	Puget Sound	XI			yes		included in 12/2 GAU
	Oklahoma State Uniform Building								Discussed 2018 IBC, 2015 IRC adoption and work on
	Code Commission	10/12/2021	Central Oklahoma	VIII	1	1	yes	virtual	commerical IECC code adoption.
									Interested in examples of public policies to improve
									IAQ. Mandates are not well-received in GA, what other
	Meeting with GA Rep. Schofield	12/13/2021	Atlanta	IV	1	1	VOS	virtual	mechanisms have been used? I mentioned voluntary programs, technical support.
	Weeting with GA Rep. Schoneid	12/13/2021	Atlanta	10	1		yes	viituai	Would be interested in an ASHRAE HQ tour (daughter is
	Meeting with GA Sen. Kirkpatrick	1/4/2022	Atlanta	IV	2	1	yes	virtual	architect, son is mechanical engineer)
	Total State Held:	19			8	6		5	
									Day on the Hill- anticipating contact with over 100
Scheduled	South Dakota State Capitol	2/22/2022	South Dakota	IX	TBD	TBD			legislators
	MD testimony re: legionella	2/2/2022	Baltimore	III	TBD	TBD			
	Boise Chapter meetings with								
	State legislators	February	Boise	IX	TBD	TBD			
	Iowa State Capitol (AIA Design Professionals Day)	2/17/2022	lowa	VI	TBD	TBD			
	Total State Scheduled:	4	10114	••	0	0		0	
Planned	NC state building code council	TBD		IV		3			
	GA state building code council CA state building code council	TBD TBD		IV IV					
	Virginia state house (Day on the	.50							
	Hill event)	TBD		III					
	MD Day on the Hill	TBD		III					
	FL legislature (Day on the Hill event)	spring		XII					
	West Virginia High Performance	Spring		All					
	Buildings Day	TBD		VII					
	WV code council	TBD		VII					
	TN state AL state	TBD TBD		VII					
	PA state house (Day on the Hill	טפו		VII					
	event)	TBD		Ш					
	Region I placeholder	TBD		I					
	Region I placeholder	TBD		<u>I</u>					
	Region I placeholder OR state	TBD TBD		XI					
	AK state	TBD		XI					
	CA state	TBD		Χ					
	AZ state	TBD		Х		2			
	Total State Planned:	18			0	5		0	

	ı	1	1	1	Number of	1	1		
					Attendees		Govt Outreach		
					(ASHRAE	Number of	Form	Note if	
FEDERAL	Meeting Description	Date	Chantan	D:	(ASHKAE Members)		Submitted?	Virtual	Comments
FEDERAL	Meeting Description	Date	Chapter	Region	iviembers)	Meetings	Submitted?	virtuai	
Held		- 1 1							staff requested Building Decarbonization background;
	Meeting with Sen. Warnock's office	8/24/2021	Atlanta Chapter	IV	1	1	yes	yes	we sent PPIB
	Mark and a state of the state o		6.1161						EISA 432 compliance (Discussed usage of ASHRAE Standard
	Meeting with Jessica Northridge (DOE	0/4/2024	Gold Coast			_			211 to complete Level 1 Energy Audits, and Building EQ to
	EERE)	9/1/2021	Chapter	XII	1	1	yes	yes	assist in completing the audits)
	Meeting with Sen. Ossoff's office	9/14/2021	Atlanta Chapter	IV	1	1	yes	yes	
	ASHRAE HQ Grand Opening Event (Sen.								Repsentatives from both GA Senate offices made remarks at ASHRAE's HQ Grand Opening after previos meetings and a
	Ossoff & Warnock staff)	11/18/2021	Atlanta Chapter	IV		2	no		request from ASHRAE member Meghan McNulty
-	Total Federal Held:	4	Atlanta Chapter	IV	3	5	110	no 3	request from ASHKAE member Meghan McNulty
-	Total Federal Heid:	4			3	5		3	
Scheduled									
Scheduled									
	Total Federal Scheduled:	0			0	0		0	
	Total Federal Scheduled:	U			U	U		U	
Dlannod	NC federal	TBD		IV					
Flaillieu	GA federal	TBD		IV					
	TN federal	TBD		VII					
	AL federal	TBD		VII			İ		
	Region III placeholder	TBD		III					
	Region VI placeholder	TBD		VI					
	NV federal	TBD		Х					
	CA federal	TBD		Х					
	AZ federal	TBD		Х					
	Total Federal Planned:	9			0	0		0	

GLOBAL	Meeting Description	Date	Chapter	Region	Number of Attendees (ASHRAE Members)	Number of Meetings	Govt Outreach Form Submitted?	Note if Virtual	Comments
Held	Meeting with the Office of Efficiency Canada and Natural Resources	8/19/2021	multiple	II, XI	6	1	yes	yes	possible consensus on HVAC&R Standards and Guideline on Single Family Dwellings
		5, 25, 2522		.,	-		7	,	discussion on training in Standard 62.1 to mitigate COVID-19
			CARICOM						transmission, and promoting additional training and ASHRAE
	Meeting with Barbados Government	9/9/2021	Chapter	XII	2	1	yes	yes	standards
	HOLD for Brazil meeting	TBD	Chapter	XII	-	-	no	703	sandards
	HOLD for Monterrey meeting	TBD		XII			no		
	HOLD for meeting with school boards								
	and Toronto chapter	TBD		II			no		
	HOLD for Malaysia meeting	TBD		XIII			no		
	event in Pakistan	11/7/2021		RAL			no		
	HOLD for meeting with India energy	, -,							†
	minister	TBD		RAL			no		
	HOLD for state-level meeting in India	TBD		RAL			no		
	Argentina Chapter participating in Technical Advisory Committee	11/30/2021	Argentina	XII	8	1	yes	_	The Argentine Chapter of ASHRAE has been invited to be part of the technical advisory committee for the drafting of a standard on Air Treatment Systems in Public and Private Buildings entrusted to the Argentine Institute for Standardization and Certification IRAM requested at the initiative of the University of Buenos Aires.
	Total Global Held:	7			8	2		2	
Scheduled									
Scheduled									
	Total Global Scheduled:	0			0	0		0	
	Total Global Scheduled.	0			U	U		U	
Planned	Region II Canada federal event	TBD		1		TBD			
	Region II Canada federal event	TBD		II .					
	Region II Canada federal event	TBD		II .					
	Region II Canada local event	TBD		II					
	Region II Canada local event	TBD		II					
	Region II Canada local event	TBD		II					
	Region II Canada local event	TBD		II					
	Region II Canada local event	TBD		II .					
	Region II Canada local event	TBD		II					
	Region II Canada local event	TBD		II					
	Region II Canada local event	TBD		II .					
	Region II Canada provincial event	TBD		II .					
	Region II Canada provincial event	TBD		II					
	Region II Canada provincial event	TBD		II					
	Region II Canada provincial event	TBD		II					
	Region II Canada provincial event	TBD		II					
	Region II Canada provincial event	TBD		II					
	Region II Canada provincial event	TBD		II .					
	Region II Canada provincial event	TBD		II .					
	Total Global Planned:	19			0	0		0	



### MOTION ON MEMBERS COUNCIL REFERRAL

Motion: That the Government Affairs Committee (GAC) send the attached response to Members Council concerning a motion referred to the GAC.

**Background:** On November 5, 2021, Members Council referred a motion from Region VII (Louisville Chapter). That motion and the background provided from Region VII are included in the attached draft response. The GAC Executive Subcommittee considered these motions at its December 1, 2021 meeting, and referred the motion to the GAC Member Mobilization Subcommittee for the Subcommittee's recommendation. The Member Mobilization Subcommittee discussed the motion at its January 21, 2022 meeting, and **opposed** the motion **unanimously by voice vote**. The rationale for this vote is provided in the attached draft response to Members Council.

Fiscal Impact: NO	NE.
-------------------	-----

Vote:



**TO:** Joyce Abrams and Vickie Grant, Members Council Staff

**FROM:** Chad Smith, Government Affairs Committee Chair

**DATE:** January 29, 2022

**SUBJECT:** Response from the GAC to Members Council Referral: Motion 15

During the Members Council meeting on November 5, 2021, the motion below was referred to the Government Affairs Committee (GAC) for consideration. Below are responses from the GAC that were considered by the GAC Executive Subcommittee on December 1, 2021, by the GAC Member Mobilization Subcommittee on January 21, 2022, and by the full committee on January 29, 2022, which approved this response by a XX-XX vote.

### Region VII (Louisville Chapter) - CRC Motion 15:

That the Government Affairs Committee (GAC) through Members Council develop a strategy for States with multiple Chapters within the state, a process to work together to send a unified message to government officials.

# **Background (from the Louisville Chapter):**

Currently there are many chapters that share the same state. Current process for communicating to state government officials is entirely up to chapters. Developing a formal guideline for these chapters would better guarantee better unified message to officials and show ASHRAE in favorable light. This would also be effective use of volunteers time.

### **GAC Response:**

The GAC is not in favor of the motion. While the goal of the motion is commendable, a single strategy may not be able to capture differences across states. While we agree that single unified message may often be more effective from a government impact standpoint, states can have different requirements or expectations in terms of the process for members of the public and other organizations to communicate with government officials. Additionally, it may be appropriate for certain chapters to take a different approach to communication than others; for example, if a chapter member has an existing personal or professional connection with a government official, their communications would likely be different than a chapter member introducing themselves to a government official who is not already familiar with them, or aware of ASHRAE as an organization.

Going forward, the GAC plans to incorporate the topic of coordination between and among chapters within a state in the GAC training that is part of the CRCs. This will bring to the Chapter GAC Chairs' attention that it is important to coordinate with other chapters in their state when communicating on state-level issues, and that chapters can also reach out for additional guidance and coordination assistance to their GAC RVC as well as Government Affairs staff

We truly appreciate this motion and the thoughtful intent behind it. Thank you for helping to improve the training at the CRC accordingly.

Motion (Revisions to the GAC Manual of Procedures re PAOE): GAC Rules Subcommittee recommends that GAC recommends that Members Council approve the attached revisions to the GAC Manual of Procedures to clarify responsibilities concerning PAOE recommendations.

BACKGROUND: The GAC Rules Subcommittee, in its meeting on November 29, 2021, discussed proposed updates to the GAC Manual of Procedures (MOP) that would clarify the responsibility for reviewing and recommending changes to the PAOE criteria. Currently, the MOP lists "reviewing and recommending changes to the PAOE criteria" under the responsibilities of the Policy and Programs Subcommittee. However, the GAC Vice Chair is the GAC representative to the PAOE Subcommittee of Members Council. The proposed changes would consolidate primary responsibility for PAOE criteria under the duties of the Vice Chair, with recommendations coming from the Policy and Programs Subcommittee, Member Mobilization, and Global Affairs Subcommittees. A motion to advance these proposed changes to the MOP for consideration by the full GAC was approved unanimously by the GAC Rules Subcommittee in its meeting on January 10, 2022.

FISCAL IMPACT: NONE.



# **Government Affairs Committee**

**Manual of Procedures** 

Approved, as amended by Government Affairs Committee on June 16, 2021 and accepted by Members Council on June 22, 2021.

# Approved by Government Affairs Committee on June 16, 2021

# **Table of Contents**

1.	Introduction Pag	e 3
2.	Expectations of Committee Members Page	e 3
3.	Duties of Committee MembersPag	e 3
	a. Chair Pag	e 3
	b. Vice Chair Pag	e 3
	c. Communications CoordinatorPag	e 4
	d. Regional Vice Chairs Pag	e 4
	e. Representative of Technology Council Pag	e 5
	f. Representative of Members Council Pag	e 5
	g. Representative of Publishing and Education Council	e 5
	h. At Large Members Pag	e 5
	i. Ex Officio Member Pag	e 6
	j. Staff Liaisons Pag	e 6
4.	Subcommittees	e 7
	a. Executive Page	e 7
	b. Policy and Programs Pag	e 8
	c. Member Mobilization Pag	e 9
	d. Global AffairsPage	10
	e. RulesPage	10
	f. Nominating Page	12
5.	Committee Objectives (MBOs)Page	12
6.	Award ProgramsPage	13
	a. Government Activities Award	13

#### 1. INTRODUCTION

The Rules of the Board (ROB) for the Government Affairs Committee (GAC) define its scope and purpose, membership, and operation. This Manual of Procedures (MOP) details the operating procedures followed in carrying out the responsibilities of the Committee as prescribed in its ROB. This Committee is broadly responsible for organizing and conducting government activities at all levels and advising the BOD on such matters.

#### 2. EXPECTATIONS OF COMMITTEE MEMBERS

Committee members are expected to attend and actively participate in regular meetings, serve on assigned Subcommittees, quickly respond to requests from Government Affairs Office staff and Committee leadership, and engage in constructive dialogue.

#### 3. DUTIES OF COMMITTEE MEMBERS

#### a. Chair

Duties of the Chair consist primarily of directing the operation of this Committee and reporting to the Members Council as required. Specific duties include:

- 1. Attend meetings of this Committee and assigned Subcommittee meetings.
- 2. Preside over all meetings of this Committee and its Executive Subcommittee.
- 3. Review and coordinate approval of the Committee minutes, as prepared by the staff liaisons, for all Committee meetings.
- 4. Prepare the agendas for this Committee's meetings with the assistance of the staff liaisons and Committee members.
- 5. Preparing written reports, including MBO status, at Society Annual and Winter Meetings, and at other times as required.
- 6. In consultation with the GAC Nominating Committee, shall annually appoint the Chairs of the standing Subcommittees.
- 7. Annually appoint each member of this Committee to one or more standing Subcommittees.
- 8. Periodically review the expenditures and budget allocations of the Committee and take any action deemed necessary, in cooperation with the Executive Vice President, to stay within the established budget.
- 9. Appoint Ad Hoc Subcommittees, or working groups from the membership of this Committee, as necessary.
- 10. Oversee all liaisons activities. Generate liaisons report(s) for distribution to appropriate Society, ASHRAE Regional, and Chapter groups.

#### b. Vice Chair

Duties of the Vice Chair include the following:

- 1. In the absence of the Chair, the Vice Chair shall assume the Chair role at any scheduled or called meeting of this Committee.
- 2. In the event the Chair is unable to perform its duties, the Vice Chair shall assume all the duties of the Chair until a successor is selected.

- 3. Prepare recommended budgets for the operation of this Committee for the coming year, in consultation with this Committee's Executive Subcommittee, the staff liaisons, and the BOD ex-officio members, for consideration by this Committee.
- 4. Perform other duties which may be assigned by the Chair.
- 5. Serve as the Chair of the Rules Subcommittee.
- 6. Serve on this Committee's Executive Subcommittee.
- 7. Serve as GAC representative to the Members Council PAOE Subcommittee.
- 8. Coordinate all training activities, which include RVC training, at-large Member and Council Representative trainings held at Winter and Annual meetings, as well as throughout the year.

#### c. Communications Coordinator

Duties of the Communications Coordinator shall include working with members and staff to:

- 1. Work with staff to manage and update relevant ASHRAE webpages and social media outlets.
- 2. Produce newsletter and/or email updates on a quarterly basis, at a minimum.
- 3. Work with staff to manage distribution channels for government activity clearing house efforts to the membership.
- 4. Work with staff to solicit and publish *Journal* and *Insights* articles.
- 5. Serve on this Committee's Executive Subcommittee.

#### d. Regional Vice Chairs

Duties of the Regional Vice Chairs include:

- 1. Work closely with the Director and Regional Chair (DRC) to keep them informed regarding the Committee's activities and assist with public policy issues.
- 2. Attend and actively participate in full GAC committee meetings, serve on at least 1 subcommittee, prepare for and attend any special meetings, and perform other duties as directed by this Committee's Chair.
- Attend the regular meetings of this Committee at the Winter and Annual Meetings of the Society. Additionally, attendance at Subcommittee meetings during the Winter and Annual Meetings is highly encouraged.
- 4. Assist Chapters in planning, coordinating and administering government activities and assist with training for such activities.
- 5. Monitor PAOE and enter RVC assigned points for Chapter governmental activities within the Region.
- 6. Prepare and conduct Governmental Activities Workshops at Chapters Regional Conference (CRC).
- 7. Prepare reports, as required by the Society and this Committee's Chair.
- 8. Coordinate communication on government activities at the Chapter and Regionallevels.
- Administer this Committee's Government Affairs Awards Program within the Region, solicit
  entries for each award from the Chapters, and forward qualified entries for Society
  consideration.
- 10. Transfer all relevant GAC materials, information, standards, and related information to the successor RVC.

- 11. Visit as many chapters as possible during the 3-year term in coordination with DRC's plans for chapter visits from region officers (though some consideration shall be given to the RVCs in Region XIII, XIV and RAL).
- 12. RVC responsibility to help organize Government Outreach Events.
- 13. Coordinate with DRC regarding President Elect Training and Regional Training.
- 14. Coordinate planning calls with Chapter GAC Chairs.

### e. Representative of Technology Council

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

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

## f. Representative of Members Council

Duties of the Representative of Members Council include:

- 1. Serve as the liaison between GAC and Members Council.
- 2. Ensure that ASHRAE's grassroots interests are represented in public policy discussions and initiatives.
- 3. Serve on this Committee's Executive Subcommittee.

### g. Representative of Publishing and Education Council (PubEd)

Duties of the Representative of PubEd Council include:

- 1. Serve as the liaisons between GAC and PubEd.
- 2. Ensure that ASHRAE's publications, training, certification, and related products are represented in public policy discussions and initiatives.
- 3. Serve on this Committee's Executive Subcommittee.

## h. At-Large Members

Duties of the At-Large Members include:

- 1. Serve on the Committee's Subcommittees as assigned by the Chair
- 2. Provide support and advice as an advocate for assigned Committees in communication and interpretation of Committee's goals; guidance in fiscal planning, assistance in preparation and monitoring of annual objectives; assistance in developing and monitoring of action plans to achieve Strategic Plan Objectives; and assist in preparing recommendations to the Members Council.
- 3. Attend all meetings of the Committee.

4. Other duties from time to time as directed by the Committee Chair.

# i. Ex Officio Member

Duties of the BOD Ex-Officio member include:

- 1. Serve this Committee in an advisory capacity and provide liaisons with the BOD, Councils, and other Committees.
- 2. Provide support to this Committee as follows:
  - (a) Guidance in fiscal planning.
  - (b) Assistance in preparation of annual objectives.
  - (c) Monitoring of progress toward completion of annual objectives.
  - (d) Assistance in developing action plans to achieve Strategic Plan Objectives.
  - (e) Monitoring of progress toward completion of Strategic Plan Objectives.
  - (f) Ongoing review of the Committee's ROB and MOP.
  - (g) Assess the Committee's scope and operation, and suggest changes as needed.
- 3. Attend all meetings of the Committee, except in cases of conflict with BODmeetings.
- 4. Serve on this Committee's Executive Subcommittee and Rules Subcommittee.

## j. Staff Liaisons

The staff liaisons shall assist in carrying out Committee duties, including:

- 1. Generate, submit for approval to the Chair, and distribute meeting minutes within 10 business days after Committee meetings.
- 2. Distribute other supporting documents to Committee members in a timelymanner.
- 3. Assist the Chair in preparation of timely, informative reports to the Members Council and the BOD.
- 4. Welcome new members appointed to this Committee and send them copies of the current Committee roster, MOP, minutes of the past Committee meetings, and other pertinent information, as applicable.
- 5. Assist the Vice Chair with generating the Committee's budget.
- 6. Maintain a copy of accounting records and financial statements for the Committee.
- 7. Process appropriate transportation reimbursement requests for Committee members.
- 8. Support the Committee in carrying out Strategic Plan Objectives (SPO's).
- 9. Update this Committee's MOP as directed by the Committee.
- 10. Update and process materials for this Committee's workshops at CRC's.
- 11. Assist in the preparation of materials for training incoming Committee members.
- 12. Assist the Vice Chair in conducting training of Committee members at the Annual Meeting and the Winter Conference, and in qualifying Committee members to provide training at CRC Workshops and Chapter events.
- 13. Respond to inquiries from Chapters regarding this Committee's activities.
- 14. Assist the Communications Coordinator, the Vice Chair, and ASHRAE IT staff with maintaining a website whereby the membership of ASHRAE can readily obtain information regarding government activities in any geographical location where ASHRAE has a presence.
- 15. Provide support for this Committee's Government Affairs Awards Program, coordinate notifications, transportation to the Society Meeting, and Society notification to award winners.

- 16. Provide information and appropriate contact with government agencies in support of Committee government activities.
- 17. Provide administrative support for this Committee's programs.
- 18. Coordinate update of website per this Committee's directives.
- 19. Offer public policy updates and guidance to the Committee on:
  - a. Summary of recent government activities (as informed by the Society's Public Policy Priorities).
  - b. Trends relative to such priorities at the grassroots government level.
  - c. Existing or potential collaboration with partnering policy organizations.
  - d. Summary of recent requests for input from ASHRAE's GA team, requests for ASHRAE GA action for specific issues being addressed at national, sub national, and local government levels, and the actions that were taken (or not taken) to respond to <a href="https://document.com/heserequests/these-requests">https://document.com/heserequests/these-requests</a>.

#### 4. SUBCOMMITTEES

The Chair shall appoint Committee members to each Subcommittee annually. Subcommittee members may include voting members of this Committee and individuals with specific and relevant experience needed on each Subcommittee.

The Chair of this Committee shall form Subcommittees to conduct the business of the Committee in a practical and efficient manner. As conditions change, standing Subcommittees may be dissolved. The Chair may also form ad-hoc Subcommittees as needed.

Subcommittee Chairs must have served on the Subcommittee to which they are being appointed for at least 1 year, with the exception of the Nominating Subcommittee and the Rules Subcommittee.

Subcommittee members are appointed for a period of one year and may be reappointed by the incoming Chair.

Standing Subcommittee membership and responsibilities are assigned as follows:

#### a. Executive

The Executive Subcommittee (ES) consists of the Chair, Vice Chair, Subcommittee Chairs, Communications Coordinator, Representative of Tech Council, Representative of Members Council, Representative of PubEd Council, Consultants and the BOD ExOs.

Responsibilities of the Executive Subcommittee shall include:

- 1. Develop the proposed yearly Public Policy Priorities for the Society.
- 2. Develop and monitor the Committee's MBOs.
- 3. Develop budgets and monitors Committee expenses.
- 4. Review and approve requests for action alerts.
  - a. Action alerts are requests to the membership to support an active issue such as pending action on a bill affecting indoor environment.
  - b. Requests for action alerts may be initiated by individuals or groups within or outside GAC.
  - c. When a request for an action alert is received, ES shall make a preliminary judgment as to whether it is necessary and supported by an approved position of the Society.

- d. If an action alert request is deemed necessary and supported by approved positions of ASHRAE, and if ES agrees that an alert should be issued, timely concurrence from Society Executive Committee will be sought by the Coordinating Officer.
- e. If an action alert is found to lack support in approved ASHRAE positions and if ES believes an alert should be issued, the Coordinating Officer shall, in a timely manner, seek a supporting position from Society Executive Committee and report it to ES for further consideration.
- 5. Review and approve requests for input and/or support for specific issues being addressed at national, sub national, and local government levels.
  - a. Requests for input and/or support for specific issues being addressed at national, sub national, and local government levels are initiated by those outside of the GAC. Requests for support often are asking ASHRAE to publicly express an opinion on issues that are considered to be related to ASHRAE's interests.
  - b. Requests for input and/or support may be proposed or initiated by individuals or groups within or outside GAC or ASHRAE.
  - c. When a request for input and/or support is received, if time allows, ES shall make a preliminary judgment as to whether it is supported by an approved position of the Society.
  - d. If an input and/or support request is deemed relevant and supported by approved positions of ASHRAE, and if ES agrees that the input and/or support should be provided, timely concurrence from Society Executive Committee will be sought by the Coordinating Officer.
  - e. If a request for input and/or support is found to lack support in approved ASHRAE positions and if ES believes the input and/or support should be provided, the Coordinating Officer shall, in a timely manner, seek a supporting position from Society Executive Committee and report it to ES for further consideration.
  - f. ASHRAE GA staff should inform the GAC chair when requests are received and advise the chair as to whether or not the request aligns well with existing ASHRAE priorities and documented positions. If time allows, the chair then determines whether to bring the issue to the ES for discussion or authorize staff to address the issue directly.
  - g. For requests received by staff that do not allow time to be considered by the GAC ES and/or GAC ES chair, staff may recommend action directly of the Society Executive Committee and/or Society President. Staff should inform the GAC chair of these timesensitive requests and recommendations, along with the action taken.
- 6. Review, comment, and approve Public Policy Issue Briefs (PPIBs) developed by the Policy and Programs Subcommittee.
  - a. Recommendations, if any, for new PPIBs shall be provided to the Policy and Programs Subcommittee.
  - b. Recommendations, if any, for the retirement of PPIBs shall be provided to the Policy and Programs Subcommittee.
  - c. PPIBs approved by the Executive Subcommittee shall be sent to the full Government Affairs Committee for approval.

## b. Policy and Programs

The members of the Policy and Programs Subcommittee are appointed annually by the Chair of the GAC and consist of approximately half of the RVCs on the GAC, and any additional members at the discretion of the Chair. Members of the Executive Subcommittee may, at their discretion, serve as *Ex Officio* members of the Policy and Programs Subcommittee.

Responsibilities of the Policy and Programs Subcommittee shall include:

- 1. Develop and oversee implementation of public policy goals and initiatives, as drawn from the Society's Public Policy Priorities.
- 2. Provide regular reports to the GAC on the status of public policy initiatives and goals. These reports shall include recommendations for improving the effectiveness of the Society's public policy operations.
- Seek opportunities in conjunction with Member Mobilization Subcommittee efforts for influencing public policy through active outreach with governmental and non-governmental organizations.
- 4. When deemed necessary, prepare and submit requests for action alerts to the Executive Subcommittee.
- 5. Review and recommend revisions to the PAOE criteria, forward to the Committee Vice-chair for consideration.
- Review annually existing PPIBs and make recommendations to the Executive Subcommittee
  to retire or update the PPIBs. If an update is recommended, the Policy and Programs
  Subcommittee shall develop the PPIB and submit to the Executive Subcommittee for review
  and approval.
- 7. Recommend and develop any new PPIBs, as needed.

## c. Member Mobilization

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

Responsibilities of the Member Mobilization Subcommittee shall include:

- Monitor and respond to public policy-related requests from government officials and non-governmental organizations on public policy issues deemed important by the Society, including, but not limited to those issues identified in the Society's Public Policy Priorities. Monitor and respond to public policy-related requests from government officials and non-governmental organizations on public policy issues deemed important by the Society, including, but not limited to those issues identified in the Society's Public Policy Priorities. Refer to GAC MOP section 6.a.4 and 6.a.5.
- 2. When deemed necessary, prepare and submit requests for action alerts or for providing input and/or support for specific issues being addressed at national, sub national levels to the Executive Subcommittee.
- 3. Provide regular reports to the GAC on the status of ongoing public policy projects. These reports shall include recommendations for improving the effectiveness of the Society's public policy operations.

- 4. Provide recommendations to the GAC on emerging issues that are not the current primary focus of the Society, but have the potential to become of greater interest and thus may warrant greater future attention.
- 5. Manage Government Affairs Awards Program.
- 6. Review and update training materials for chapter chairs prior to Winter Meeting. The Subcommittee must provide feedback on training materials and work with staff to update and develop the training materials for Regional and chapter training events.
- 6.7. Review and recommend revisions to the PAOE criteria, forward to the Committee Vice-chair for consideration.

#### d. Global Affairs

The members of Global Affairs Subcommittee are appointed annually by the Chair of the GAC. Membership of the Subcommittee includes the RVC's from Regions 2, 8, 11, 12, 13, 14 and the RAL and in addition, up to 3 additional non-RVC Members with international experience that serve on the GAC, at the discretion of the GAC Chair. The Chair of the Subcommittee needs to be an RVC with a minimum of 1 year GAC experience and be from the Regions involved.

Responsibilities of this Subcommittee shall include:

- Developing strategies to promote and grow activities that reflect the global nature of the Society;
- Identifying regional best practices for government outreach outside of the U.S. so that chapters can successfully promote the Public Policy Priorities internationally and build connections with government officials, institutions, non-governmental organizations, and private parties;
- 3. Monitor key public policy needs of government officials and policy makers internationally concerning the built environment, and make ASHRAE recommendations for responding to these issues;
- 4. Provide regular reports to the GAC on global outreach activities.
- 4.5. Review and recommend revisions to the PAOE criteria, forward to the Committee Vice-chair for consideration.

#### e. Rules

- 1. The Vice Chair of GAC will be the chair of this Subcommittee.
- 2. Membership of the Subcommittee will be the GAC Vice Chair, the Communication Coordinator, the Members Council Representative, the Board Ex-Officio, and up to three additional members at the GAC Chair's discretion. At least one of the subcommittee members shall have served on the subcommittee the previous year, and at least three of the subcommittee members shall have served on the GAC the previous year.
- 3. Responsibilities of this Subcommittee is to conduct an annual review of the MOP, ROB, the Resource Manual, and Section 2.5 of the Manual of Chapter Operations.

#### a. Rules of the Board (ROB):

The rules of the board for the GAC define its scope and purpose, membership and operation. Specifically, section 2.402.001 of Volume 2 covers the scope and purpose of the committee, section 2.402.002 Membership, and 2.402.003 Operation. Changes to this document must be preliminary reviewed by the Society Rules Committee, then passed as a motion to Members Council for approval, and lastly passed to the Board for Final approval. The content of these sections should be high level and identify the "who",

"what" and "why". The 'how" should be described in the Manual of Procedures.

# b. Manual of Procedures (MOP):

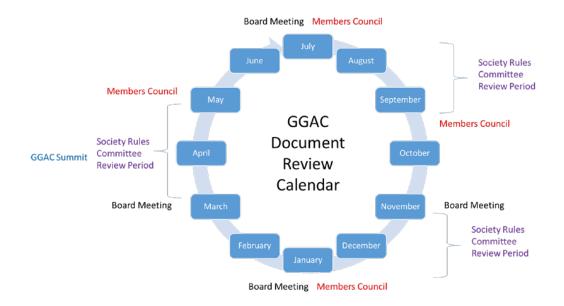
This manual details the operating procedures followed in carrying out the responsibilities of the committee as prescribed in its ROB. For example, this document contains the expectations of Committee members, their duties, a description and make-up of the GAC working subcommittees, the requirements for developing annual objectives, and the awards that the GAC committee is empowered to distribute. Changes to the MOP must be approved by Members Council, but do not require Board approval.

## c. GAC Resource Manual (RM):

The Government Affairs Committee Resource Manual is a reference for 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 at the Society, Region, and Chapter level and serves as an educational tool for new members. The Government Affairs Committee Resource Manual is an internal document of the Committee and changes require the approval of the GAC Committee, only.

# d. <u>Section 2.5 of the Manual of Chapter Operations (MCO):</u>

This section of the Manual of Chapter Operations describes the duties of the Chapter level GAC organizations and rules procedures for disseminating information from the Society GAC and when and how to engage local government officials. The MCO is owned and maintained by Members Council. Changes made to this document must be presented and approved by that entity. Members Council meets 4 times a year and proposed changes must have background information and justification for changes.



## f. Nominating

- 1. Membership of this Subcommittee shall be the Chair, Vice Chair, a Presidential Member, the Communication Coordinator, the GAC ExO and up to one additional member, if needed. Need for an additional subcommittee member or members shall be determined by the GACChair.
- 2. The Subcommittee shall select a Vice Chair to serve in the absence of the Chair.
- 3. Responsibility of this Subcommittee is to make recommendations to the Society Appointments Roadmap Committee through the Board ExO for the next year's GAC Committee Chair and Vice Chair.
- 4. The Subcommittee shall seek input from Chairs of Subcommittees on their recommendations regarding nominations.
- 5. This Subcommittee shall also submit recommendations for the next year's Chairs of the various GAC Subcommittees to the newly appointed GAC Committee Chair and ViceChair.
- 6. This Subcommittee shall meet at the Winter Meeting and at other times during the year as needed. Meetings shall be held in Executive Session and the staff liaison will be tasked with disposal of any worksheets at the end of each meeting.
- 7. All nominations should be submitted by the nominating subcommittee within a maximum of two weeks' time after the Winter Meeting.

#### 5. Committee Objectives(MBOs)

Prior to the Society Annual Meeting, the incoming Committee Chair, in consultation with the Executive Subcommittee, will prepare objectives for the Committee for the next Society Year and present these objectives to the Committee for review during the Society's Annual Meeting. The objectives will be included in the Committee's report to the Members Council 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.

- 1. If any Committee does not submit its objectives to the BOD at the Annual Meeting, an assigned BOD Ex-Officio is responsible for contacting the incoming Committee Chair and working with him/her to complete these objectives.
- ASHRAE Headquarters staff Director of Member Services will send copies of objectives to the BOD Ex-Officio, Committee staff liaisons and council staff liaisons. Staff liaisons will send objectives to Committee members.
- 3. 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.
- 4. A status report of the objectives will be included in the Committee report submitted to the Members Council at the Society's Winter Meeting, and a copy of the objectives will be sent to ASHRAE Headquarters staff, Director of Member Services.

5. A final report of the objectives will be included in the Committee report submitted to the Members Council at the Society Annual Meeting, and a copy of the objectives will be sent to ASHRAE Headquarters staff, Director of Member Services. The objectives prepared by the incoming Committee Chair for the next Society 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 Members Council what the Committee accomplished during the Society Year that is ending and what is planned for the upcoming year.

#### 6. AWARDS PROGRAM

#### a. Government Affairs Award

The Government Affairs Award was established to recognize an individual for outstanding effort and achievement in national, sub-national, and local government activities in connection with technical issues related to the activities of the Society.

- Recognition is in the form of a plaque for first place winner.
- One awarded per year.
- The Government Affairs Committee makes recommendations for the award to the Honors and Awards Committee at the Winter Meeting.

# **RVC** Reports

# 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 I – Winter Conference

XVC Report for Region 1 - Winte	T COM
ACTIVITY	
CRC	
Total number of chapters in region	15
Number of chapters present	9
Number of GA chapter chairs present	7
Percentage of participation	60%
Percentage of GA chapter chair participation	46%
No. of planning sessions held	13
PAOE	
No. of Chapters Reporting PAOE Points:	14
No. of Chapters Making Society Minimum :	2
No. of Chapters Making Society PAR :	0
Highest PAOE Points by a Chapter:	750
Percentage of chapters reporting	93%
Percentage of chapters making Society Minimum	14%
Percentage of chapters making Society PAR	0%
CHAPTER VISITS	
No. of visits made:	0
No. of visits scheduled:	5
Percentage of chapters visited:	0
GAC AWARDS	
Government. Affairs Award	0
<b>Government Outreach Days</b>	1
No. of Chapters Participating	7
No. of government officials visited	6
No. of ASHRAE members participating	12
No. of Chapters reporting	7
No. of days duration	1
	1

# GAC RVC Report - Winter Region I

Artorius M. Reyes





# **Society Mission & Vision**

# **MISSION**

 To serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields.

# **VISION**

 A healthy and sustainable built environment for all.

# **CORE VALUES**





# Regional Goals – SY 2021-2022

# **Primary Goals**

- Understand climate goals & policies of all States within Region I
- Identify City/State priorities and where ASHRAE can provide support.
- Establish City/State points of contact with GAC Chairs
- Support active ASHRAE initiatives wherever possible

# Member States of Region I

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





# **RVC Goals - SY 2021-2022**

# **Primary Goals**

- Get to know "new" GAC Chairs & better support returning Chairs
- Integrate GAC mentorship responsibilities into normal operation
- Provide necessary support and guidance where needed leveraging broader GAC team and Staff
- Continue to support and maintain Chapter Engagement Quarterly meetings w/ NYSERDA & NY State
- Establish New Engagement Plan w/ 2<sup>nd</sup> State in Region I

# Member States of Region I

New York New Hampshire
New Jersey Rhode Island
Connecticut Vermont

Massachusetts Maine







# Regional Highlights

### Vermont

- Vermont Climate Action Plan
  - 12/1/2021 Vermont Climate Council voted 19 to 4 to approve the State's 1<sup>st</sup> Climate Action Plan.
  - This initial comprehensive 4-year plan will help Vermont meet the emission reduction requirements of the Global Warming Solutions Act.
  - Key Recommendations:
    - Expand weatherization and clean, energy-efficient heating options, such as improved insulation and heat pumps for Vermonters.
    - Shift away from fossil fuels and fossil fuel-dependent equipment.
    - Build more charging stations for electric vehicles.
    - Provide incentives to help Vermonters purchase electric vehicles.
    - Create infrastructure that supports more walking, biking, public transit options and electric vehicle use in Vermont communities.
- Champlain Valley GAC submitted ASHRAE position document on climate change and PPIB on Building Decarbonization.

#### **Vermont Climate Action Plan**

#### SUMMARY



#### The Vermont Climate Action Plan

Vermont and the world are facing the impacts of climate change and it's time to act. The initial Vermont Climate Action Plan, released on December 1, 2021, outlines steps to cut climate pollution and help Vermonters prepare for extreme weather and other impacts caused by climate change.

Vermont must get ready for a changing climate and cut its climate pollution, such as carbon and methante emissions, in half by 200 to meet the target in Vermont's Global Warming Solutions Art. To do this, Vermont will need to prioritize helping the people who will be most affected by climate change.

The Logislature established the Vermont Climate Council to draft the plan. As they drafted the plan, the Climate Council incorporated Ideas and feedback from a wide range of Vermonters. In addition, the Climate Council developed this plan in coordination with the State of Vermont's Comprehensive Energy Plan (esbessed November 2021), which details energy opportunities and challenges for the statue. Five subcummittees shaped the plan: Rural Resilbence and Adaptation, Agriculture and Ecosystems, Cross Sector Militgaints, Jost Transitions and Science and Data.

The initial Vermont Climate Action Plan is a first step in climate action and will be updated at least every four years. The plan includes an implementation section for legislators and other state-level stakeholders to inform decision-making. The Climate Council will continue to build out the framework for measuring and assessing progress that government, nonprofit, private sector and municipal partners across the state can use to evaluate their impacts in achieving plan goals.







# Regional Highlights

# New York

- ASHRAE/NYSERDA Community Heat Pump Systems Webinar Series
  - 17 –Part free webinar series reviewing Heat Pump systems, technology, applications, and other related decarbonization topics.
  - Webinar series runs from September 29<sup>th</sup>, 2021 to May 25<sup>th</sup>, 2022
  - Technical content provided by ASHRAE
  - One of NYSERDA's best attended virtual content series. Over 10,000 attendees expected.
- Intro 2317 NYC Natural Gas Ban
  - 12/15/21 NYC Council voted to ban the use of natural gas in new buildings.
  - Ban takes effect in December 2023 for buildings 7-stories and below.
  - Those over 7-stories July 2027





# ASHRAE / NYSERDA Community Heat Pump Systems Free Webinar Series





# **Regional Challenges**

- COVID-19 (Delta/Omicron)
- Semi-Virtual Environment Some in-person meetings but with restrictions
- Active But Disconnected Members
  - Members on City/State Advisory Boards but no clear reporting back to GAC.
  - New GAC Chairs trying to find their footing in this fast-moving environment.
  - Needed to develop new strategy of grouping Chairs to help provide support.
  - ❖ Varying government relationships across the region
- Definition of Government Outreach Changing
  - What do we do when relationships exist and work to be done?
  - How to stay aligned as to not duplicate efforts?









# Regional Accomplishments

# **NY Chapter Engagement Quarterly Meetings Continuing**

- Quarterly meeting w/ NY State and ASHRAE Chapters continuing with full engagement from all (8) NY Chapters
- Last meeting in October 2021 Standards Chair Rick Heiden led main technical discussion on changes between Standard 90.1 2016 & 2019.
- Con Edison provided their decarbonization roadmap for the steam grid in NYC.
- ACEC Chair Emeritus participated as guest

# **GAC Chair Planning & Re-Org**

- GAC Chairs grouped together to provide better support structure (MBO's Outreach Events, etc.).
  - Group #1 Bi-State, Connecticut, Boston,
  - Group #2 Central NY, Niagara Frontier, Northeast, Rochester, Twin Tiers
  - Group #3 New York, Long Island
  - Group #4 New Jersey
  - Group #5 Granite State, Rhode Island, Champlain Valley, Maine



# Regional Accomplishments

# **Infrastructure Bill Support**

- Worked with GAC Staff to identify areas of infrastructure that are applicable to ASHRAE's core mission or its members
- Issued draft to all GAC Chairs for review w/ chapters. Follow-up due Jan/Feb

# **NYS Bill Support (S7176)**

- Worked with GAC Staff to draft letter of support for NY Senate bill S7176 Advanced Building Codes, Appliance and Equipment Efficiency Standards Act of 2021.
- Bill would update the State Energy code to the latest published version of Standard 90.1
- Have support from most of NY Chapters
- NY in Session now.



# Region Summary

ashrae.org

State	Chapter Name	Active Chair	PAOE Points (to date)	Chapter Visits	CRC Attendance
	Bi-State	Yes	350	(1 - Planned)	Yes
	Central New York	Yes	450	0	Yes
	Long Island	(Yes – New)	350	(1 - Planned)	Yes
New York	New York	Yes	650	N/A – Home Chapter	Yes
INGW TOTK	Niagara Frontier	Yes	200	0	No
	Northeast	(No – President)	300	(1 - Planned)	Yes
	Rochester	Yes	300	0	Yes
	Twin Tiers	Yes	400	0	Yes
New Jersey	New Jersey	Yes	350	0	No
Connecticut	Connecticut	Yes	300	(1 - Planned)	Yes
Massachusetts	Boston	(Yes – New)	150	(1 - Planned)	No
New Hampshire	Granite State	Yes	100	0	No
Rhode Island	Rhode Island	<u>No</u>	0	0	No
Vermont	Champlain Valley	Yes	750	0	Yes
Maine	Maine	Yes	100	0	No





Continued work on NY Advisory Panels (CLCPA & LL-97)



Continued Chapter Engagement w/NYSERDA



Continued work more strategic outreach and support structure for GAC Chairs



Moving to develop Chapter Engagement or MOU with other States in Region 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 II** 

9
8 (virtual)
8 (virtual)
89%
89%
5
8
2
0
700
89%
22%
0%
0
0
0%
Submitted for John Cusato

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. Some chapters promoted Efficiency Canada and October 6<sup>th</sup> efficiency day.
- 2. Efficiency Canada Badri Patel (Toronto Chapter) featured as a human of Energy Efficiency, his role in ASHRAE, YEA mentioned.
- 3. City of Toronto hosted webinar NRCan Energy Efficiency Programs, attended myself and circulated to other chapters.
- 4. Toronto Chapter / ASHRAE Corey Metzger, an ASHRAE volunteer member, presenting on Epidemic Task Force at OMC (Operations Maintenance and Construction) Energy Conservation sub-committee meeting to school boards. How to balance IEQ and energy consumption.
- 5. Eastern Canada (NB/PEI) air quality in schools, lack of ventilation, and legionella outbreaks reported by local news.
- 6. Quebec Chapter participated with a booth in Contech (Montreal Building's show).
- 7. Circulated Society survey regarding GAC website to chapter chairs.
- 8. Mike Genin First meeting with Mentor



# Region II GAC Update

Mike Genin January 29, 2022 Winter Conference



# Overview of Chapters

# Meetings

		PAOE	Attended Workshop	Year Plan	Mid-year plan	Local	State	Federal	Complete
Windsor	Paul Greff	700	Υ	Υ	Υ	3	4	0	
London	Andrew Crowley	50	Υ						
Hamilton	Mustafa Morsy	50	Υ						1
Toronto	Marli Moise	400	Υ	Υ		1	1	1	1
Ottawa	Ryan Dickinson	400	Υ	Υ	Υ	1		1	
Montreal	Jean-Sebastien Trudel	50	Υ						
Quebec	Jean Bundock	700	Υ	Υ	Υ	2	2	1	
Halifax	Tom Kendell	250	Υ	Υ	Υ	2	2	1	
NB / PEI	Rob Hoadley	0	N						



# Highlights from Region II

- EE Canada Chapters promoted October 6th "Efficiency Day"
- EE Canada Toronto Chapter member Badri Patel featured as "human of Energy Efficiency"
- Toronto Chapter meeting with OMC + Corey Metzger
- Hamilton Chapter meeting with MPP (provincial gov) regarding COVID
   19
- Attended City of Toronto webinar hosted with NRCan regarding Efficiency Programs
- Quebec Chapter hosted ASHRAE booth at local Buildings trade show

# In Progress / Goals

- Hamilton Chapter working on draft letter to Ontario Gov regarding COVID 19
- One-on-one meetings with each chapter chair
- Encourage chapters to hit their number of Meetings
- Encourage chapter chairs to follow up with their local school boards
- Continue to examine possibility of in-person visits
- Spring 2022 Day on the Hill event, need to decide on in-person



# E: STANDARDIZED RVC/ REPORTING FORMAT

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

# **RVC Report for Region 3**

ACTIVITY
CRC
Total number of chapters in region: 11
Number of chapters present: 5
Number of GA chapter chairs present: 4
Percentage of participation: 45%
Percentage of GA chapter chair participation: 36%
No. of planning sessions held: 9
PAOE
No. of Chapters Reporting PAOE Points: 5
No. of Chapters Making Society Minimum: 2
No. of Chapters Making Society PAR: 0
Highest PAOE Points by a Chapter: 650 (Central PA)
Percentage of chapters reporting: 45%
Percentage of chapters making Society Minimum: 18%
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
Government Outreach Days – None so far, I believe 2-3 are in the works
No. of Chapters Participating:
No. of government officials visited
No. of ASHRAE members participating
No. of Chapters reporting
No. of days duration



# ASHRAE Region 3 Winter Meeting Government Affairs Report

# RVC Bio

RJ Hartman, P.E.

Consulting Engineer (8 years experience) located in Richmond, Virginia

Richmond GA Chair (20-21, 19-20, 18-19)

Hampton Roads President (17-18)

Hampton Roads VP & YEA Chair (16-17)



# GA - Chapter Breakdown

Chapter	PAOE	Attended CRC	Comments
PHILADELPHIA		YES	
CENTRAL PENNSYLVANIA	650	YES	Very active chapter chair (returning chair)
JOHNSTOWN		NO	
PITTSBURGH		NO	
BALTIMORE	*	YES	Involved and active new chair
NATIONAL CAPITAL		NO	Returning chapter chair
HAMPTON ROADS	550	YES	Involved and active new chair
LEHIGH VALLEY		NO	
ROANOKE		NO	Chapter is in struggle mode
ANTHRACITE		NO	
RICHMOND	100	YES	

Slow start to the year but hoping for a strong finish!

# Regional Accomplishments

- Baltimore Chapter recently had Maryland delegate and legislative director attend their ASHRAE meeting, due to their interest in climate change.
- Central PA chapter sponsored a bill for PA General Assembly. Bill would allow the use of substitute refrigerants by clarifying that refrigerants listed by EPA are exempted from prohibitions included in the PA Uniform Construction Code.
- R3 RVC made connection with City of Richmond sustainability director (greenRVA2050), added to SME list for continued discussion/involvement

# Regional Struggles

- Lack of attendance of CRC and difficulty hearing back from chapter chairs.
  - Numerous smaller chapters struggle with fielding a GA Chair.
- Recently had a child and have been struggling with making the time to coordinate/check-in with chairs as frequently as I would like.

# Goals and Objectives

- Follow up on Chapter's GA outreach events to get the events to actually happen.
- Survive the first year as RVC.
- Continue the push to get in front of local elected officials to chapter chairs. Simple things like County Board of Supervisors, School Boards, etc. are relatively easy to attend and speak for 2 minutes.

#### 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 IV**

ACTIVITY	
CRC	
Total number of chapters in region	7
Number of chapters present	7
Number of GA chapter chairs present	4
Percentage of participation	100%
Percentage of GA chapter chair	
participation	57%
No. of planning sessions held	1
PAOE	
No. of Chapters Reporting PAOE Points:	: 5
No. of Chapters Making Society Minimu	m: 3
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	800
Percentage of chapters reporting	71%
Percentage of chapters making Society Minimum	42%
Percentage of chapters making	
Society PAR	0%
CHAPTER VISITS	
No. of visits made:	1
No. of visits scheduled:	2
Percentage of chapters visited:	14%
GAC AWARDS	
Government. Affairs Award	0
<b>Government Outreach Days</b>	
No. of Chapters Participating	1
No. of government officials visited	2
No. of ASHRAE members participating	3
No. of Chapters reporting	1
No. of days duration	2

# **ASHRAE 2022 Winter Conference**

Las Vegas, Nevada

January 29, 2022

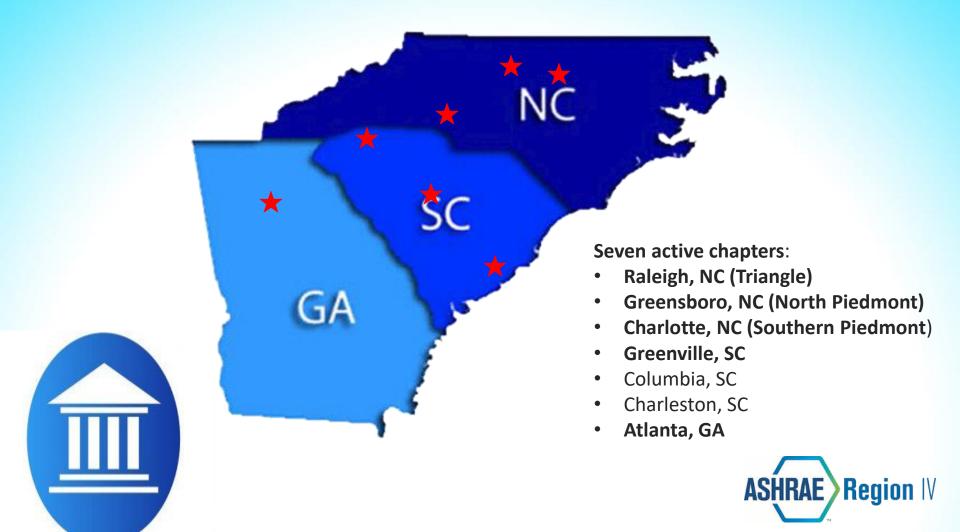


**GAC:** Region IV Report

R Timothy Ashby, GAC RVC



# Region IV Overview



# **Special Mention Activities**



- Virtual Government Outreach Day: Georgia (Dec 21)
- Augusta Georgia Smoke Free Ordinance Discussions
- Energy Efficiency Day Proclamation (Oct 6, 2022):
   NC Governor Cooper
- Appointments:
  - Natalie McDonald Triangle Chapter President:
     NC Building Code Council
  - Kirby Lee Former Triangle Chapter President:
     NC Energy Ad Hoc Committee
  - Ginger Scoggins ASHRAE Treasurer: NC Wake
     County Energy Commission

    ASHRAE Region IV



# Positive Activities

#### **Highlights**



- Five of seven chapters reported POAE points.
- Six of seven Chapter Chairs are past presidents and/or past chairs.
- 100 % Chapter attendance & 57% Chair attendance at CRC GAC Training.
- Much focus is occurring on the local level of Cities and Counties: Atlanta, Augusta, Charlotte, Raleigh.
- All states in the Region are planning Government Outreach Events





#### 2022 OUTLOOK



#### **Opportunities**

- Improving Meaningful Government Outreach Events.
- Continue to Develop Local Level Contacts: State,
   City, County, and Schools.
- Encourage participation in State Boards & Councils.
- Increase Chapter Level Engagement





#### 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 VII** 

ACTIVITY	
CRC (Summer 2021)	
Total number of chapters in region	14
Number of chapters present	0
Number of GA chapter chairs present	0
Percentage of participation	0%
Percentage of GA chapter chair participation	0%
No. of planning sessions held	8
PAOE	
No. of Chapters Reporting PAOE Points:	8
No. of Chapters Making Society Minimum:	2
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	825 (West Virginia)
Percentage of chapters reporting	57%
Percentage of chapters making Society Minimum	14%
Percentage of chapters making Society PAR	0%
CHAPTER VISITS	
No. of visits made:	0
No. of visits scheduled:	1
Percentage of chapters visited:	0%
GAC AWARDS	
Government. Affairs Award	0
Government Outreach Days	
No. of Chapters Participating	0
No. of government officials visited	0
No. of ASHRAE members participating	0
No. of Chapters reporting	0
No. of days duration	0

# ASHRAE Region VII

Government Affairs 2021-2022



# Region VII GAC RVC Bio

#### Jess Gardner, PE, LEED AP

- Consulting Engineer for past 3 years
- Mechanical Contractor for the previous 12 years
- Located in Nashville, TN
- Chapter President 2016-2017
- Chapter leadership since 2009
- First term as Government Affairs RVC

# Chapter Engagement

Of Note:

Only 9 out of 14 Chapters Have Assigned GAC Chairs

No chairs attended CRC GA training this year

8 of 14 Chairs attended a planning meeting and submitted MBOs

Chapter	GAC Chair	Terms	Chapter Members	PAOE Points
Baton Rouge	No Chair	N/A	91	0
Birmingham	No Chair	N/A	224	100
Bluegrass	Christian Tipton	1	102	100
East Tennessee	Andy Myers	1	221	100
Louisville	Will Spiller	1	183	250
Memphis	Mike Bilderbeck	4	159	775
Mississippi	Ryan Williams	1	73	0
Mobile	No Chair	N/A	45	0
Nashville	Jim Murphy	1	309	200
New Orleans	No Chair	N/A	122	0
North Alabama	No Chair	0	55	100
Northwest Florida	No Chair	N/A	57	0
Tennessee Valley	Scott McKenzie	N/A	79	0
West Virginia	David Cotton	2	76	825

### Looking Back

- Art Hallstrom, PE, FASHRAE, BEMP (WV) selected for State Energy Office "Efficient & Health Schools Campaign" Advisory Committee
- Several proclamations for E-Week
- West Virginia hosted 6<sup>th</sup> Annual High Performance Building Day
- All assigned chairs able to input PAOE points

## Looking Ahead

- Tennessee Engineer's Day on the Hill on March 1, 2022 along with the Tennessee Society of Professional Engineers (TSPE)
- Coordinating a meeting with Tennessee
   State Energy Office
- Chapter Visits 2022
  - North Alabama

# Opportunities

Absolutely critical for DRC to encourage chapters to assign a GAC Chair

Assign experienced lead person for each state with multiple chapters

Encourage Chairs to continue for multiple years

Piggyback on government outreach activities that are already in the works

#### 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 June 2022
CRC	Region viii GAO Report danc 2022
Total number of chapters in region	15
Number of chapters present	13
Number of GA chapter chairs present	11
Percentage of participation	87%
Percentage of GA chapter chair participation	73%
No. of planning sessions held	10
PAOE	
No. of Chapters Reporting PAOE Points:	11
No. of Chapters Making Society Minimum :	4
No. of Chapters Making Society PAR :	0
Highest PAOE Points by a Chapter:	900 (Central Oklahoma)
Percentage of chapters reporting	73%
Percentage of chapters making Society Minimum	27%
Percentage of chapters making Society PAR	0%
CHAPTER VISITS	
No. of visits made:	1
No. of visits scheduled:	0
Percentage of chapters visited:	0%
GAC AWARDS	
Government. Affairs Award	No submissions
Government Outreach Days	
No. of Chapters Participating	(Planned: 10); Actual: 4
No. of government officials visited	(Goal: 60+); Actual: +/-40
No. of ASHRAE members participating	(Goal: 20+); Actual: +/-10
No. of Chapters reporting	2
No. of days duration	5

# GAC WINTER MEETING FEBRUARY 1, 2020 REGION VIII REPORT





Damon McClure Region VIII RVC, 2020-2023 January 21, 2021

## YEAR TO DATE REGION VIII PAOE

Chapter Number	Chapter Name	Area Assigned Members	PAOE Points
62	Arkansas	233	600
64	Houston, TX	692	250
65	Alamo – San Antonio	224	0
66	Austin, TX	344	0
67	Dallas, TX	690	200
68	Central Oklahoma	275	750
69	Northeastern OK	187	300
70	Ft. Worth, TX	297	550
71	West Texas	77	100
91	East Texas	111	0
154	South Texas	57	100
165	Mexico City	118	900
166	Monterrey, MX	113	250
173	Guadalajara, MX	26	0
208	Northwest Arkansas	110	150

#### **HIGHLIGHTS & UPDATES**

- 13 of 15 chapters are present per their CIQ
- ▶ 11 of 15 chapters have GAC committee chairs on their CIQ
- Few returning chapter chairs with 3 chairs serving a 3<sup>rd</sup> or more consecutive term. This typically means more active chapter, but not always true.
- Several first time GAC chapter chairs Training and sharing ideas critical
- ▶ 11 chapters reporting PAOE points
- 4 chapters have active GAC programs
- 5 state Government Outreach Events confirmed & submitted

#### SUCCESSES & OPPORTUNITIES

- Oklahoma chapters pushed for 2 pieces of legislation in this year's session. One was moved forward, but other was not.
- Houston continuing its work with City of Houston on various fronts
- This is off year for Texas legislature year. Encouraging chapters to focus efforts locally to schedule meetings with state and federal legislators at home offices. Also encouraging outreach to local school boards for ETF guidance and requesting outreach to educated local code officials
- Monterrey & Mexico chapters have participated in state and local discussion promoting ASHRAE standards & EFT guidance.
- Central OK and NEOK were able to obtain E-Week State
   Proclamation by combined chair outreach



#### **REGION SUCCESSES – CENTRAL AND NORTHEASTERN OKLAHOMA**

- During several Government Outreach Events at state capitol, both Central Oklahoma and Northeastern Oklahoma chapters used their ASHRAE resources to push for legislation SB148 to pass. SB148 adds requirements for both a mechanical and electrical licensed engineer to sit on the Oklahoma Uniform Board Code Commission (OUBCC).
- That measure went to the House floor 04/21/21 and passed by a vote of 87-2-12.
- Mechanical Engineer: Wayne Allen, Allen Consulting Inc. Norman, Ok

Electrical Engineer: Dee Hays, Excellence Engineering, LLC Tulsa, Ok





January 29, 2022 Las Vegas, NV

# CHALLENGES & OPPORTUNITIES

- Still have 4 chapters with no current GAC chair
- This is an off legislative year in Texas. Trying to avoid taking a step back on momentum built last year.
- With 3 Mexican chapters, there is the challenge of having different government structures than the U.S. state governments
- Trying to encourage chapters to put on a training event in coming year.

#### **FUTURE ACTION ITEMS**

- Schedule more follow ups on MBO progress with each chapter chair. Maybe use "Office Hour" informal zoom meeting spur follow discussions.
- Help the active Texas chapters coordinate state and federal visits at legislators home offices. My hope is to all or most Texas chapters host joint Government Outreach Event.
- Work with all chapters to open discussion with their local code officials regarding education and training opportunities
- Work with NW Arkansas and Arkansas chapters to leverage members connections to kick start GAC program.
- Discuss potential chapter mentorships for smaller, less active chapters to be paired with large more successful chapters. Use "Office Hour" informal zoom call with chapters for discussion of this topic

#### 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 IX GAC Committee Activity
CRC	Region IX OAO Committee Activity
Total number of chapters in region	13
Number of chapters present	11
Number of GA chapter chairs present	4 Chairs, 1 Member
Percentage of participation	84.6%
Percentage of GA chapter chair participation	38%
No. of planning sessions held	8
PAOE	
No. of Chapters Reporting PAOE Points:	8
No. of Chapters Making Society Minimum :	1
No. of Chapters Making Society PAR :	1
Highest PAOE Points by a Chapter:	750 (Utah)
Percentage of chapters reporting	62%
Percentage of chapters making Society Minimum	8%
Percentage of chapters making Society PAR	8%
CHAPTER VISITS	
No. of visits made:	o
No. of visits scheduled:	0
Percentage of chapters visited:	0%
GAC AWARDS	
Government. Affairs Award	0 entries.
Government Outreach Days	8
No. of Chapters Participating	2
No. of government officials visited	Not Identified
No. of ASHRAE members participating	0
No. of Chapters reporting	0 report forms submitted
No. of days duration	8

### Government Affairs Report 2022 Region IX Winter Meeting

Andrea Phillips



ASHRAE

- 2021 2022 Data (as of Jan 15, 2022)
  - 8 chapters reporting PAOE
    - 1 chapters achieving Society PAR
    - 1 Chapters above Society Min.
    - Highest point total is Utah @ 750
  - 11 of 13 chapters have a GAC Chair.
  - 5 Chapters present at CRC training (4 chairs, 1 member)
  - 8 chapter chairs sent written goals for the year
  - Chapter visits suspended till spring 2022 by DRC

Chapter		GAC PAOE	Attended			GAC
Number	Chapter Name	Points	CRC	PAR 650	MIN 500	Chair
53	Kansas City	200	Υ			Υ
72	El Paso	0				N
73	Rocky Mountain	150	Υ			Υ
74	Utah	750	Υ	X	X	Υ
75	Nebraska	350	Υ			Υ
76	Wichita	100				Υ
77	New Mexico	0				Υ
93	South Dakota	150				Υ
127	Black Hills	0				N
131	Big Sky	0				Υ
135	Idaho	100				Υ
148	Pikes Peak	250	Υ			Υ
150	Ozarks	0				Υ





- 2021-2022 Government Outreach Days
  - Kansas City (JOCOBO) monthly meetings regarding building code adoptions and ongoing discussions about code application.
  - Utah: 4 outreach events during Fall 2021
  - Idaho Planning Outreach (Spring)
  - Kansas City Planning Outreach (Spring)
  - South Dakota Planning Outreach (Spring)





#### Current Hot Topics:

 Utah HBA proposing to undercut residential energy code adoptions going straight to legislature requesting modification of current law.

#### Success Stories

 Kansas City has maintained presence on JOCOBO during pandemic, participating in every session they have met.

## Challenges

 Smaller chapters in the region are suffering from the effects of the pandemic and participation is down across the board.



- Lessons Learned:
  - Lawmakers appreciate when we are prepared for meetings with reference to proposed legislation.
     This is available thru Fiscal Note.





- Society Year 2021-2022 RVC Goals:
  - Visit one chapter in the region other than home chapter as RVC duty.
  - Maintain presence on KC chapter GAC committee.
  - Attend 2-3 regional government outreach events personally with the participating chapters.
  - Have DRC Tyler Glesne attend a planned Nebraska outreach day.
  - Encourage every chapter:
    - To have a GAC chair or a past president completing GAC activities.
    - To maintain PAR or better in PAOE.
    - To host a Government Outreach Day OR a virtual visit with at least one government official.



#### 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 X

ACTIVITY	
CRC	
Total number of chapters in region	14
Number of chapters present	8
Number of GA chapter chairs present	7
Percentage of participation	57%
Percentage of GA chapter chair participation	50%
No. of planning sessions held	8
PAOE	
No. of Chapters Reporting PAOE Points:	4
No. of Chapters Making Society Minimum:	1
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	500 (Tucson)
Percentage of chapters reporting	29%
Percentage of chapters making Society Minimum	7%
Percentage of chapters making Society PAR	0%
CHAPTER VISITS	
No. of visits made:	0
No. of visits scheduled:	2
Percentage of chapters visited:	50% (cumulative through term)
GAC AWARDS	
Government. Affairs Award	<u>-</u>
Government Outreach Days	
No. of Chapters Participating	0
No. of government officials visited	0
No. of ASHRAE members participating	0
No. of Chapters reporting	0
No. of days duration	0



# GAC Report – Region X ASHRAE Winter Conference Las Vegas, NV January 29th, 2022

Colin E. Laisure-Pool, GAC RVC 2020-2022, Region X

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

#### **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

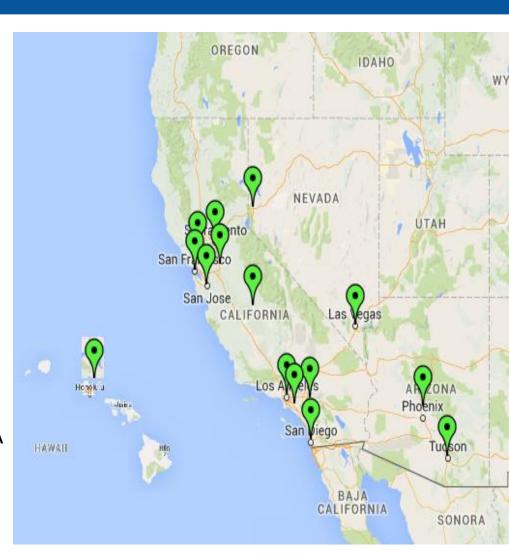
084 Southern California - Santa Barbara, CA

Western Section

092 Southern Nevada - Las Vegas, NV

155 Tri-County - Redlands, CA

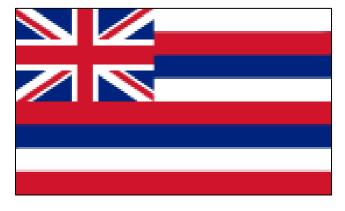
087 Tucson - Tucson, AZ



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



**Arizona** 



Hawaii



**California** 



Nevada

#### Progress Review (2021-2022)

#### Highlights:

- Planning Meetings with Key (and new!) Chairs:
  - Carson Hubred (Southern California)
  - Kevin Luoma (Hawaii)
- Activity in Nevada (ETF guidelines w/r/t cannabis legislation)
- California (Mechanical) Code Comments (3) Submissions to IAPMO
- Letter to AZ School Superintendents Reinforcing COVID Guidelines
- University of Arizona Data Center Energy Studies
- Robust Discussion Continues on Decarbonization and T24 in California

#### Progress Review (2021-2022)

#### **Challenges:**

- Spring Government Outreach Days in Doubt
  - May need to go virtual, which has not yet succeeded
- All 3 Comments to IAPMO for 2024 California Mechanical Code Amendments – Rejected
- 2<sup>nd</sup> Consecutive Virtual CRC (in Orange Empire) Suffers Reduced Attendance and Participation
  - Despite interactive presentation, 'Zoom Fatigue' dominates
  - 'Online Ennui'
- Several Chapters' GAC Activity Evaporates
  - Central Arizona
  - Sac Valley

#### **Chapter** Engagement – CRC in Orange Empire

#### 10 out of 14 Chapters Have Assigned GAC Chairs:

CHAPTER	GAC CHAIR	CRC (8/14)	Planning
CENTRAL ARIZONA	NO	NONE	YES
GOLDEN GATE	YES	CHAIR	YES
HAWAII	YES	CHAIR	YES
NORTHERN NEVADA	NO	NONE	NO
ORANGE EMPIRE	YES	CHAIR	NO
SACRAMENTO VALLEY	NO	NONE	NO
SAN DIEGO	YES	CHAIR	YES
SAN JOAQUIN	YES	CHAIR	YES
SAN JOSE	YES	CHAIR	YES
SIERRA DELTA	YES	NONE	NO
SOUTHERN CALIFORNIA	YES	NONE	YES
SOUTHERN NEVADA	YES	CHAPTER	NO
TRI COUNTY	NO (Chapter President)	NONE	NO
TUCSON	YES	CHAIR	YES
Region X Participation	10/14	8/14	8/14

## Chapter Engagement 2020-2021

144

155

SIERRA DELTA

TRI COUNTY

### 4 out of 14 Chapters Reporting PAOE Points Thus Far:

GAC: Min 500: Chanter DAGE

Chantart	ChantarNama	Chapter	GAC: Will 500;	Chapter PAUE	% of Total
Chapter#	ChapterName	Members	PAR 650	Totals	76 01 10tai
81	SACRAMENTO VALLEY	282	0	2730	0%
82	GOLDEN GATE	806	100	4965	2%
83	SAN JOAQUIN	107	150	2940	5%
84	SOUTHERN CALIFORNIA	628	0	4575	0%
85	SAN DIEGO	340	450	5740	8%
86	CENTRAL ARIZONA	433	0	2730	0%
87	TUCSON	92	500	3290	15%
92	SOUTHERN NEVADA	146	0	785	0%
101	SAN JOSE	300	0	3015	0%
105	ORANGE EMPIRE	390	0	1890	0%
108	HAWAII	242	0	3235	0%
126	NORTHERN NEVADA	85	0	1725	0%

48

72

0

0%

0%

1560

570

## Chapter Visits (3 Year Term – 14 Chapters)

#### 2019-2020

- Central Arizona
- San Joaquin
- Golden Gate
- San Jose
- Sacramento
- Tucson

#### 2020-2021

- Northern Nevada
- Sierra Delta
- Hawaii
- Tri-County

#### 2021-2022

- Southern Nevada
- Orange Empire
- San Diego
- Southern California









### ASHRAE Government Outreach Days

## Arizona – March 24th, 2022

Colin Laisure-Poo l— Central AZ Outreach Day Steering Committee Chair

### California – Dates TBD

#### Team NorCal:

Vanessa O'Connor (San Jose)

Mitch Pinsker (Golden Gate)

Justin Westmoreland (San Joaquin)

#### Team SoCal:

Arianna Nevins (San Diego)

Carson Hubred (SoCal)

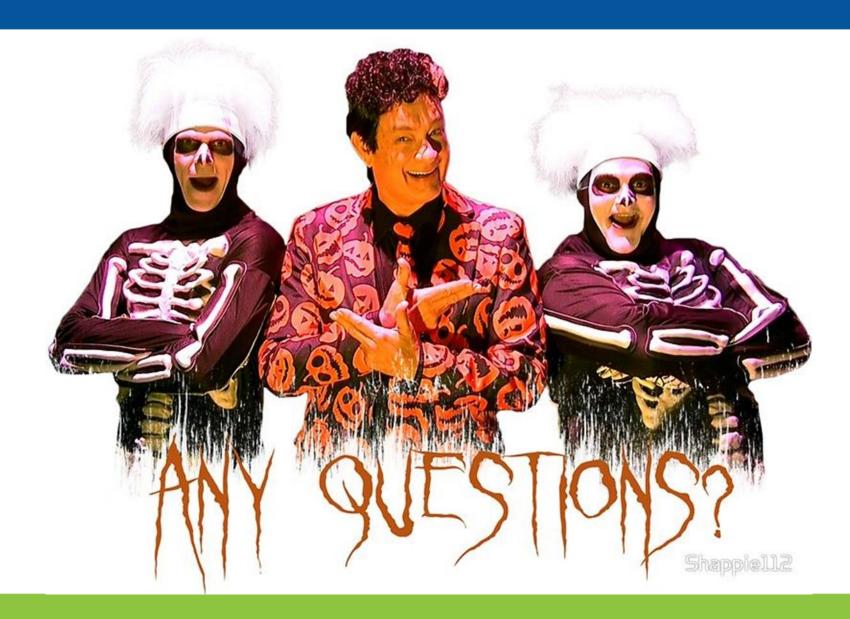
Rafi Karim (SoCal)

Hawaii – Not Scheduled

Nevada – Not Scheduled



## GAC Rocks!



#### 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	10
Number of GA chapter chairs present	9
Percentage of participation	62.5%
Percentage of GA chapter chair participation	56.25%
No. of planning sessions held	9
PAOE	
No. of Chapters Reporting PAOE Points:	9
No. of Chapters Making Society Minimum:	5
No. of Chapters Making Society PAR:	0
Highest PAOE Points by a Chapter:	700
Percentage of chapters reporting	56.25%
Percentage of chapters making Society Minimum	31.25%
Percentage of chapters making Society PAR	0%
CHAPTER VISITS	
No. of visits made:	4
No. of visits scheduled:	3
Percentage of chapters visited:	12.5%
GAC AWARDS	
Government. Affairs Award	None submitted
<b>Government Outreach Days</b>	
No. of Chapters Participating	7
No. of government officials visited	17
No. of ASHRAE members participating	28
No. of Chapters reporting	7
No. of days duration	16



# Region XII Government Affairs 2021/2022

Timothy Theriault
Jan 29, 2022
Las Vegas Winter Meeting



## Regional Vice Chair Bio

#### **Timothy N Theriault**

**Engineer and Project Manager since 1998** 

Employed by ATLC Engineering Solutions In Tampa, Florida since 2013

Home chapter is ASHRAE



FWC GAC Chair 2017-2018 Co-chair 2018-2019 and 2019-2020

FWC Chapter President 2020-2021

First Year of GA Regional Vice Chair Term is 2021-2022



## GA Chapter Synopsis 2021-2022 to date

#### **REGION XII**

2021-2022 Presidential Award of Excellence

\*Minimum and PAR points indicated are for 2021-2022

Millimum and PAK points indicated are for 2021-2022						
		Government		Planning		
	Chapter	Affairs: Minimum	Chapter PAOE	meeting held		CRC
Chapter Name	AAM	500; PAR 1000	point Totals	with RVC	Chapter Visits made	Participation
JACKSONVILLE	236	0	2270	-	0	-
FLORIDA WEST COAST	386	550	3620	Yes	4	Yes
MIAMI	203	0	1180	-	0	-
CENTRAL FLORIDA	321	150	6680	Yes	0	Yes
GOLD COAST	188	600	2785	Yes	0	Yes
PUERTO RICO	82	0	315	-	0	-
SOUTHWEST FLORIDA	115	50	2570	-	0	Yes
BRASIL	168	450	5570	Yes	0	Yes
ARGENTINA	108	550	2025	Yes	0	Yes
COLOMBIA	62	0	925	-	0	-
CHILE	63	0	3820	Yes	0	-
ECUADOR	47	0	1090	-	0	-
PARAGUAY	43	0	1520	Yes	0	Yes
ASHRAE CARICOM	71	700	3080	Yes	0	Yes
SOUTH BRAZIL	60	100	3485	-	0	Yes
PERU	113	600	10175	Yes	0	Yes
Totals	2266	3750	51110	9 /56 2%\	1	10 /62 5%\





## Regional Acomplishments









- Creation of a Region XII / GAC Basecamp site.
- Spanish speaking partner appointed for all Region XII RVCs to help bridge language gap.
- <u>Florida Gold Coast Chapter</u> had multiple visits and is involved with Workgroup on Innovative Solar Energy Resources (WISER) and the Beautification and Energy Efficiency Board (BEEB) in Melbourne, FL. The chair has spoke to the Brevard County Commission on multiple occasions, speaking on bills for H.R.1 and Refrigerants as well as the Brevard County Energy Transition Plan.
- Caricom Chapter participates with Ministries of information and of Energy. Participates in the Ozone unit activities in the Caricom Region. Promoted ASHRAE certifications in Technical and Vocational facilities (TVET) and Caribbean Association of National Training Agencies (CANTA) SJPIT Bureau Standards. Presented ASHRAE COVID-19 position document. Worked with Antigua/Barbados Adoption for CARICOM Regional Energy Efficiency Building Code (CREEBC) based on standard 90.1.

## Regional Accomplishments continued

- Brasil and South Brazil Chapters are working together to charter a National Council of air Conditioning to bring together multiple associations such as SMACNA, BCC, Abrave and ASHRAE.
   Future MOU to be written after charter.
- <u>Argentina Chapter</u> working with IRAM which is their standardization institute to implement Standard 62.1-2019. additional activites with Argentina Secretary of industry. Chapter is a representative voice for Argentina in the Organization for Standardization ISO.
- <u>Peru Chapter</u> has had 4 meetings with their government officials. Also has created and posted an instructional youtube video for GAC.
- <u>Chile Chapter</u> participation with Chille Standards institute (INN) creating and implementing standards based on ASHRAE 62.2. Some additional activities with the Ministry of Health of Chile (MINSAL). Future MOU to be written.
- <u>Paraguay Chapter</u> meetings with the National Institute of Technology and Standardization (INTN), the Ministry of the Environment and Sustainable Development (MADES) and the Paraguayan Chamber of Refrigeration and Ventilation (CAPAREV)

















## In-The-Works / On-The-Go







- GA Training Workshop for incoming Region XII GA Chairs at Summer CRC for next ASHRAE year.
- Florida chapters Day on the Hill if restrictions allow for in person visits to the Capitol building. Championed by Florida West Coast Chair to bring together the Florida chapters.
- Charter new chapters in Central and South America to cover more countries with ASHRAE members.
- Assist chapters connect with their local governments.
- Brazil and south Brazil chapter forming a council and creating an alliance with other societies.
- MOUs in the future possibly with Ecuador, Chile, Brasil/South Brazil.



### Lessons Learned & Outcomes of 2021-2022

- Important to make a connection with the chapter GA Chairs. Especially in non-English speaking countries. This region has at least 4 languages spoken.
- A lot of energy in the first year of a three year term is spent getting chapter chairs up to speed and making those connections.
- Language barrier between chapters in the region prevents proper reporting of PAOE categories. Our region appointed a Spanish speaking partner to the various RVCs to help bridge that gap.
- COVID restrictions is making Day on the Hills difficult to schedule. Virtual is not as desired in our region.







## Goals and Objectives for 2021-2022











- Conduct more in-person chapter visits (if possible) in Florida and in South America.
- Encourage as many government outreach days in Florida and in other countries
- Foster the various governmental needs of the Central and South American countries in our region.
- Charter new chapters in Central and South America to cover more countries with ASHRAE members.





#### 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 January 2021		
CRC			
Total number of chapters in region	9		
Number of chapters present	9		
Number of GA chapter chairs present	6		
Percentage of participation	100%		
Percentage of GA chapter chair participation	67%		
No. of planning sessions held	-		
PAOE			
No. of Chapters Reporting PAOE Points:	2		
No. of Chapters Making Society Minimum:	1		
No. of Chapters Making Society PAR:	0		
Highest PAOE Points by a Chapter:	900		
Percentage of chapters reporting	22%		
Percentage of chapters making Society Minimum	11%		
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	N/A		
<b>Government Outreach Days</b>			
No. of Chapters Participating	-		
No. of government officials visited	-		
No. of ASHRAE members participating	-		
No. of Chapters reporting	-		
No. of days duration	-		





## Region XIV - GAC Report

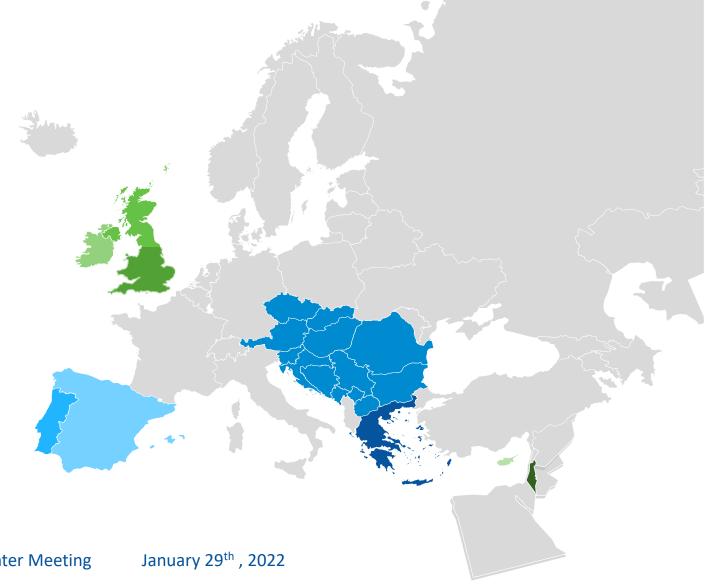
**George Pantelidis** 

RVC-GA Region XIV Hellenic Chapter



## The Region

#	Chapter	GA Chair
168	Hellenic	✓
176	Danube	$\checkmark$
177	Portugal	$\checkmark$
182	Spain	-
203	Cyprus	$\checkmark$
204	Ireland	✓
205	UK Midlands	✓
206	UK London	-
214	Israel	-







## Accomplishments – Current situation

#### **GA Workshop – Virtual CRC** (28.8.2021 – 23 Participants)

Discussion on PAOE and ways to increase them, but fruitfully

#### Israeli chapter

**Live event November 9<sup>th</sup> 2021.** Chapter annual meeting with the participation of the minister of Energy and 3 officials from the ministry of Economy and Industry. Discussion on HVAC engineers' registration, academic and governmental recognition of the ASHRAE training course and decarbonization policy

Ongoing communication with the ministry of energy to promote ASHRAE standards

ASHRAE Std 62.1 adopted by the Israeli Institute of standards





## Accomplishments – Current situation

#### Portuguese chapter

Portuguese chapter participated with the Portuguese Engineers Association in the review of the national law 102/2021 regarding energy performance and Energy Certification System for Buildings. Reference of ASHRAE Standard 62.1 is included

#### **Danube chapter**

**Hybrid event October 7**<sup>th</sup>-8<sup>th</sup> Romanian national conference held by the chapter with the participation of representatives from the Romanian ministry of Regional Development and Public Administration and ministry of Public Health.

#### Hellenic chapter

National committee for Energy Performance Buildings Directive (EPBD). Hellenic chapter BoD members participate in the committees. ASHRAE standards are expected to be referenced in the final documents.





## Goals for 2021

- **✓ Establish communication with EU commission**
- ✓ Chapter visits (as soon as situations allow it)
- ✓ Engage more GA chairs to participate and achieve PAOE points
- ✓ All chapters to have GA chairs (3 chapters with no chair)





## **RVC Bio:**

**Gian Modgil** 

**Consulting Engineer** 

Delhi, India

**Chapter 158 India** 

**GA Chapter Chair** 2001/2002, 2006/2008, 2009/2010

**Chapter President** 2004/2005

**GA ARVC SR-II** 2017/2019

**GA RVC Term** *2019/2022* 

Chapter Name	Government Affairs: Minimum 500; PAR 1000	Comments+N9:O21N9:O33	Chapter Visits
INDIA	0	GA Chair Assigned	NO
SAUDI ARABIA	0	GA Chair Assigned	NO
CAIRO	0	GA Chair Assigned	NO
LEBANESE	0	GA Chair Assigned	NO
WESTERN INDIA	0	GA Chair Assigned	NO
KUWAIT	0	GA Chair Assigned	NO
ASHRAE BANGALORE	0	GA Chair Assigned	NO
SRI LANKAN	0	GA Chair Assigned	NO
PAKISTAN	0	GA Chair Assigned	NO
ASHRAE FALCON	200	GA Chair Assigned	NO
NORTHERN PAKISTAN	1400	GA Chair Assigned	NO
BAHRAIN	250	GA Chair Assigned	NO
QATAR ORYX	0	GA Chair Assigned	NO
CHENNAI	0	GA Chair Assigned	NO
PUNE	0	GA Chair Assigned	NO
ASHRAE NIGERIA	0	GA Chair Assigned	NO
ASHRAE MUMBAI	1050	GA Chair Assigned	NO
CENTRAL PAKISTAN	150	GA Chair Assigned	NO
ASHRAE DECCAN	0	GA Chair Assigned	NO
TURKISH	0	GA Chair Assigned	NO
BANGLADESH	0	GA Chair Assigned	NO
SOUTH AFRICA	1300	GA Chair Assigned	NO
FAISALABAD	0	GA Chair Assigned	NO
PYRAMIDS	1400	GA Chair Assigned	NO
JORDAN	0	GA Chair Assigned	NO
EAST INDIA	0	GA Chair Assigned	NO
RAJASTHAN	0	GA Chair Assigned	NO
CHANDIGARH	0	GA Chair Assigned	NO
OMAN	0	GA Chair Assigned	NO
LIBYA	0	GA Chair Assigned	NO
SUDAN	0	GA Chair Assigned	NO
ALEXANDRIA	0	GA Chair Assigned	NO

## Regional Accomplishments:

- √6 Government Outreach Days surrounding Standard 90.2, Standard 62.1, Standard 55, and Standard 154
- ✓Ongoing relationship established with the Director General, Bureau of Energy Efficiency, Govt. of India for Residential Building Energy Code and Chiller Labelling Program
- ✓ Established contacts with Minister for Housing & Urban Affairs, Govt. of India for the 2021/2022 Day on the Hill Event (Postponed because of Covid upsurge in India)
- ✓ Established contact with Minister for Energy, Karnataka State Govt. for Day on the Hill Event for the year 2021-2022
- ✓ Participated as Jury Member for selection of Innovators for Facility for Low Carbon Technology Deployment program by UNIDO and BEE
- ✓ Participated as Advisor to Word Bank TECH EMERGE SCI program under Climate Change Initiative for bringing Energy Efficiency in Hospitality Sector in Asia.

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

- ✓ Continued participation as Jury Member for Solar Decathlon India Challenge 2021-22 selection of Teams working towards Energy & Water efficiency along with Innovation and Resilience in Bult Environment.
- ✓ Continued participation as Panel Member for revision of National Building Code Government Of India through Bureau of Indian Standards.
- ✓ Continued participation as Advisor to Word Bank TECH EMERGE SCI program under Climate Change Initiative for bringing Energy Efficiency in Temperature Controlled Logistics in Nigeria and Retail Cold Chain Sector in India and Bangladesh.
- ✓ Continued participation as Jury Member for selection of Innovators for Facility for Low Carbon Technology Deployment program by UNIDO and BEE

## Lessons Learned & Outcomes of 2021/2022

- ✓ The geographic spread of RAL requires physical meetings to train and develop relationship with GA Chapter Chairs and educate them on the subject of "How to get involved with Government Affairs". But ongoing Pandemic has hampered that.
- ✓ The Pandemic since beginning of 2020 has shown the usefulness and benefits of the virtual platform and has provide good opportunities for affordable training. This tool has been best utilized by GA Chairs.
- ✓ Not having to expectations from Sub Region I because of less involvement from ARVC SR-I due to his continued MBA Study.

## Goals and Objectives for 2021/2022

- ✓ Incorporate seasonal follow-up Training Workshops with GA Chapter Chairs
- ✓Organize Meetings with each of the ARVC of Sub Region I & II bi-monthly basis
- ✓ Conduct in-person Chapter Visits (if possible)
- ✓ Conduct 3 Global Day on The Hill Events in Feb to June 2022



## ASHRAE Leadership Presentation

Ken Fulk, Director at Large, ASHRAE Board of Directors

Government Affairs Committee Winter Conference – Las Vegas January 29, 2022

## **ASHRAE Policies**



#### 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."

#### **Sexual Harassment**

ASHRAE is committed to educating members to eliminate all instances of sexual harassment. The Society will deploy an online training program for volunteers to help educate and protect all members, and to sustain the professional environment members deserve and expect. This training will be required prior to serving on certain standing committees and/or in leadership positions.

ashrae.org/about/governance/ashrae-discrimination-and-harassment-policy

#### 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.

ashrae.org/commercialism

View ASHRAE Governing Documents at ashrae.org/about/governance

## **ASHRAE Commitment to Care Statement**



The health and safety of all ASHRAE conference attendees is a top priority. Out of respect for our fellow attendees, we commit to wear masks indoors, monitor our health, seek medical attention if symptoms develop and adhere to all ASHRAE Commitment to Care protocols. We are committed to the well-being of one another.

## **ASHRAE Collaborations and Partnerships**



- The American Society for Health Care Engineering (ASHE)
- The Building Owners and Managers Association (BOMA)
- The Chartered Institution of Building Services Engineers (CIBSE)
- Brazilian Congress on Refrigeration, Air Conditioning, Ventilation, Heating and Air Treatment (CONBRAVA)
- International Facility Management Association (IFMA)
- Federation of European Heating, Ventilation and Air Conditioning Associations (REHVA)
- The Sheet Metal and Air Conditioning Contractors' National Association (SMACNA)
- United Nations Environment Programme (UNEP)

And many more!















### **President's Luncheon**





Monday, January 31 12:15 – 2:00 pm

Personal Growth. Global Impact. Feed the Roots.

2021-22 ASHRAE President Mick Schwedler, P.E., Fellow ASHRAE, LEED AP

### **Board of Directors**

**Executive Committee** 



Through an elaborate committee structure, including committees and councils, ASHRAE policies are established by a **Board of Directors** comprised of Society members elected by the membership. Board members serve terms of one to three years, including the President who serves a one-year term.

#### **President**



Mick Schwedler, P.E. Fellow ASHRAE, LEED AP, La Crosse, Wisconsin

#### **President-Elect**



Faroog Mehboob, P.E. Fellow ASHRAE, Life Member Karachi, Pakistan

#### **Treasurer**



Ginger Scoggins, P.E. Raleigh, North Carolina

**Vice President** 



Dunstan Macauley, P.E., HBDP Arlington, Virginia

**Vice President** 



Tim McGinn, P.E., HBDP Calgary, Alberta, Canada

**Vice President** 



Donald L. Brandt Life Member Phoenix, Arizona

**Vice President** 



Sarah E. Maston, P.E., BCxP Hudson, Massachusetts

**Secretary** 



Jeff H. Littleton **ASHRAE** Atlanta, Georgia

## **Board of Directors**

#### **Director and Regional Chairs**



#### **Region I**



Steven C. Sill Sterling, New York

#### **Region VIII**



Randy C. Schrecengost Austin, Texas

#### **Region XV**



Richie Mittal New Delhi, India

#### **Region II**



**Ronald Gagnon** Quebec, Canada

#### **Region IX**



Tyler J. Glesne Omaha, Nebraska

#### **Region III**



Mark Tome Harrisburg, Pennsylvania

#### **Region X**



Devin A. Abellon Los Angeles, California

#### **Region IV**



Steven Marek Hanahan, South Carolina

#### **Region XI**



Eileen Jensen Vancouver, Washington

#### **Region V**



**Douglas Zentz** Big Rapids, Michigan

#### **Region XII**



**Robin Bryant** Fort Myers, Florida

#### **Region VI**



Richard Hermans Lino Lakes, Minnesota

#### **Region XIII**



Apichit Lumlertpongpana Bangkok, Thailand

#### **Region VII**



Chris M. Gray Atlanta, Georgia

#### **Region XIV**



Andres J Sepulveda Madrid, Spain

## **Board of Directors**

Directors-at-large





Wade Conlan, BCxP Maitland, Florida



Kelley P. Cramm, PE Lenexa, Kansas



Dru Crawley, Ph.D., BEMP Washington, D.C.



Kenneth Fulk Allen, Texas



Art Giesler Colleyville, Texas



Jaap Hogeling, P.Eng., MSc, ME Leiden, Netherlands



Kishor Khankari, Ph.D. Ann Arbor, Michigan



Ashish Rakheja Noida, Uttar Pradesh, India



Adrienne Thomle Reno, Nevada

## 2019-2025 ASHRAE Strategic Plan Update



## New! See the Midterm Update and 1-Year Extension

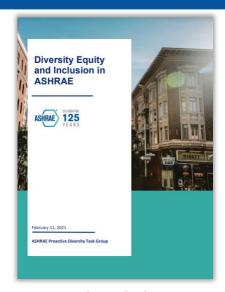




## Diversity, Equity, & Inclusion (DEI) in ASHRAE

BOD Subcommittee created by the Board January 2021





### **Purpose of the BOD DEI Subcommittee:**

#### To advise and engage the Board of Directors on:

- All matters relating to diversity, equity and inclusion with a view to improving organizational awareness and performance in these areas amongst both staff and the Society membership
- The establishment of annual budgets for DEI program and ongoing initiatives
- The prioritization of inclusivity issues which have relevance to ASHRAE, together with plans for addressing these issues

## Download the Report ashrae.org/DiversityEquityInclusion

The BOD DEI Subcommittee was recently approved as a new subcommittee to the Board.

#### Members of the BOD DEI Subcommittee

Andres Sepulveda (Chair); Adrienne Thomle (Vice Chair); Devin Abellon; Robin Bryant; Art Giesler; Eileen Jensen; Kishor Khankari; Tanisha Meyers-Lisle Dunstan Macauley; Richie Mittal; Farooq Mehboob (Consultant); Steven Sill

























# **Task Force for Building Decarbonization**



- Initiative of ASHRAE President and President-Elect, with the realization that our successful initiatives in building energy efficiency should be expanded to building decarbonization
- 15 members, Co-Chaired by Presidential Members Don Colliver and Tom Phoenix
- 9 working groups with over 100 international volunteers, developing resources and tools to:
  - Provide policy makers with information on how they might achieve goals
  - Provide recommendations and best practices for industry stakeholders

#### Your input is welcome!

- What products, tools, or outcomes do you as ASHRAE members need from this group?
- What educational or training products do you need to assist your understanding of decarbonization? Timeframe?
- What metrics should be used in the carbon design process?

Email questions or input to decarb@ashrae.org



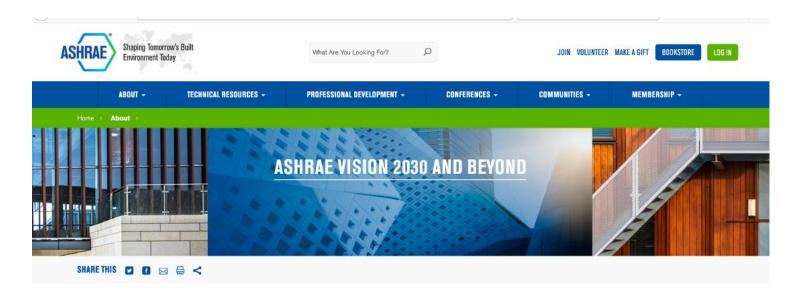
## **ASHRAE Vision 2030 and Beyond**





Visit ashrae.org/vision2030 to view the complete mission statement along with all the resources and knowledge produced to transform tomorrow's built environment.

- Serve as a knowledge base for defining how buildings of the future will be designed, constructed, and operated.
- Continually drive the innovative and strategic improvements needed during the revolution of the built environment.



Email questions or comments to vision2030@ashrae.org

# **Society Updates**

#### **Approved By Laws Change: Full Member**

ASHRAE Membership voted to approve changing the title of 'Member' grade to 'Full Member' grade to differentiate between those who have provided necessary education and professional background information to the Society in order to qualify as a Full Member grade.

#### **Request to Advance to Full Member Grade**

Associate and Affiliate members may request to advance to Full Member grade by updating their membership bio in their ashrae.org profile and notifying <a href="membership@ashrae.org">membership@ashrae.org</a>.



View the latest Society Snapshot at ashrae.org/about/society-snapshot

#### **Nominations Needed!**



#### **Committee Nominations**

- Due mid-February. Council, RAC, TAC, Standards and Handbook nominations are due mid-September.
- Speak with your committee ExO if your current appointment ends in June and you wish to be nominated for another committee.

#### **Honors & Awards Nominations**

ASHRAE's awards fall into one of six categories:

- Personal Honors
- Personal Awards for General & Specific Society Activities
- Paper Awards
- Society Awards to Groups or Chapters
- Chapter and Regional Awards

ashrae.org/committee-nominations

ashrae.org/honorsandawards

ASHRAE Technical Committees (TCs) at ashrae.org/communities

## **New Global Headquarters**







ASHRAE has officially moved into a renovated **66,700 ft**<sup>2</sup> **building**, originally built in 1978.



**Over \$10.3M** in monetary and in-kind support was received from generous stakeholders to support this renovation project.



**Grand opening event** on Nov. 18, 2021, was **live streamed** to ASHRAE's **51,000 members** around the world.





PV system installation completed in October 2021, marking operation at NZE performance.





**180 Technology Parkway NW Peachtree Corners, GA 30092** 

See the video tour, grand opening photos, building technical features and our generous sponsors at <u>ashrae.org/newhq</u>

# **Epidemic Task Force (ETF)**

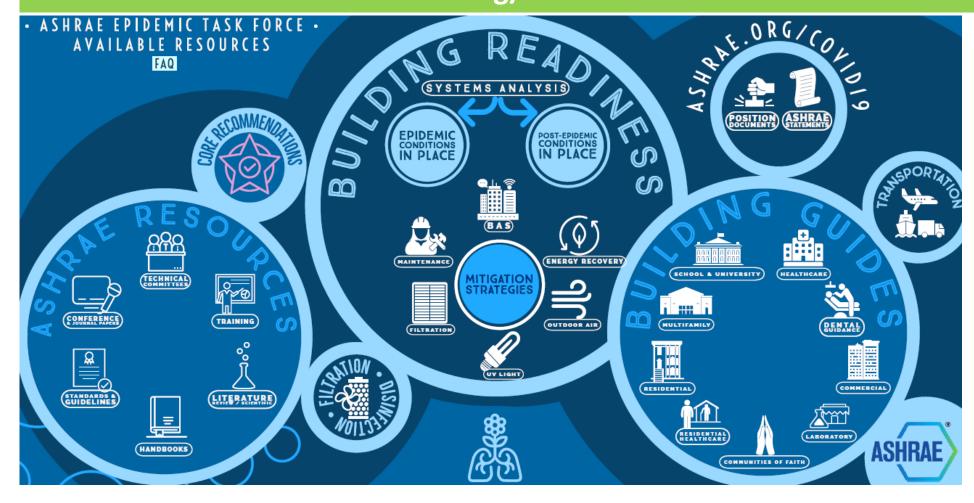


Continues to provide
COVID-19 related
resources, making
ASHRAE a trusted source
of critical guidance
during the pandemic.

ashrae.org/covid19
averages more than
40,000 views
per month!

Q

Clickable infograph for easy navigation, FAQ's and free resources ashrae.org/covid19



# Membership & Communities



#### Your Benefits ashrae.org/membership

#### **New Member Benefit Selection Effective Society Year 2021-22**



Full dues paying Full and Associate
Members joining or renewing into SY 2122 may select from the following
complimentary annual member benefits:

- ✓ ASHRAE eLearning Course
- ✓ ASHRAE Standard (PDF)
- ✓ ASHRAE Handbook (PDF)

Members can add a Handbook Online subscription or printed copy of the Handbook for an additional fee.





**51,000+** Society Members including **5,200+** Student Members



15 Regions with 199 Chapters and 400+ Active Student Branches



#### **Connect-A-Colleague**

Quickly invite peers to join ASHRAE and participate in committees using a pre-written email invitation at ashrae.org/connect

**Your Community ashrae.org/communities** 



### **ASHRAE Support**



**ASHRAE** awards

#### **Research Promotion (RP)**

The Research Promotion campaign supports ASHRAE Research, Education, YEA programs, Scholarships, Endowed Funds, and the RP General Fund.



Thank You to all the donors and volunteers for your support during this challenging year.

#### **Society Year 2020-2021** total raised: **\$2,300,519**

- \$1,769,785 in contributions for Research
- \$332,698 for ASHRAE Foundation
- \$134,666 for Scholarships
- \$63,370 for General Fund, YEA, and Education

#### **ASHRAE Foundation Grants & Scholarships**

The ASHRAE Foundation is an endowed trust that provides funding for professional development and research programs, supplies qualified engineering students with much needed scholarship assistance, and provides grants to help support the Society's vital work.

SY 2021-22
Society Scholarships totaling \$152,000

Chapter-Awarded Scholarships totaling \$52,000

Education \$450,000 in scholarships

each year!!

Donate, Volunteer, Apply, and Learn More at ashrae.org/support

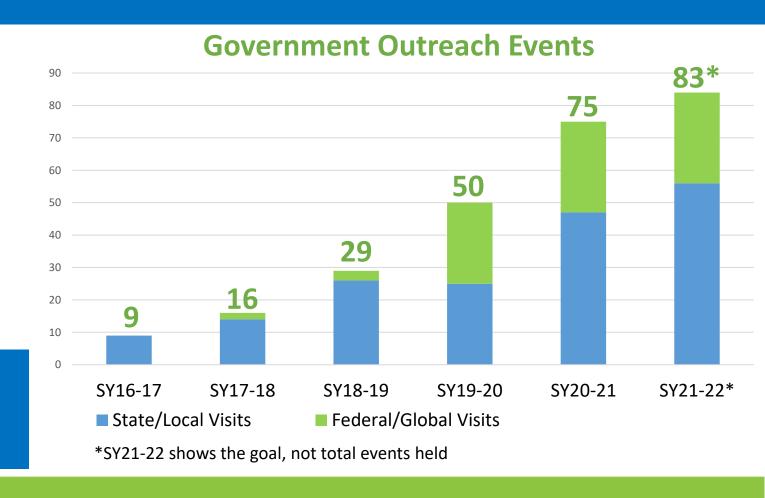
### **Government Affairs**



ASHRAE Government Affairs program works to establish ASHRAE as a leading source of trusted expertise for policy-makers in the development of legislation and regulations affecting the public and HVAC&R industry.

- Government Affairs Update bi-weekly newsletter provides updates on government activities. Subscribe online or by emailing GovAffairs@ashrae.org.
- Government Outreach Events connecting ASHRAE volunteers with policy makers.
- Briefings & Testimony, Regulatory Meetings, Hearings, and Comments. Letters related to public policy priorities.

Get Involved + Get Resources ashrae.org/government-affairs



## **Professional Development**



#### **eLearning**

Convenient, on-demand courses for individuals or groups.

**90+** online courses starting at **\$42** for members.

#### **Group Rates Available**

Updated Course Catalog:

elearningcatalog.ashrae.org



ASHRAE Learning Institute (ALI)
Instructor-led courses in a variety of formats.

# See the Updated Schedule of In-Person and Virtual HVAC Design Courses!

- Level I Essentials
- Level II Applications

**NEW Courses Added to the Instructor-led Online Serie** 

ashrae.org/onlinecourses

Courses Available for ASHRAE Chapter, and In-Company Presentations.

#### Certification

Validate and promote your expertise via online examination and digital badging.

#### **Building Design**

- Energy Modeling (BEMP)
- Healthcare Facility Design (HFDP)
- High-Performance Building Design (HBDP)
- HVAC Design (CHD)

#### **Building Performance**

- Commissioning (BCxP)
- Energy Assessment (BEAP)

#### **Building Operations**

 Operations & Performance Maintenance (OPMP)

ashrae.org/professional-development

# **Society Theme**





# Personal Growth. Global Impact. Feed the Roots.

Mick Schwedler, P.E., LEED AP 2021-2022 ASHRAE Society President

#### **New Initiatives from President Mick Schwedler**





ASHRAE Learning Pathways
provide a way for professionals in
HVAC&R to organize and plan their
professional development through
topical groupings of educational
resources. Pathways include:

- HVAC Design Basics
- Pathogen Mitigation

**Member to Member Connection Videos with Mick Schwedler** 

New monthly video series, fireside chat style, featuring guests and a variety of topics relevant to ASHRAE members.

SIX Videos Now Available! Watch at ashrae.org/president and ASHRAE social media channels.



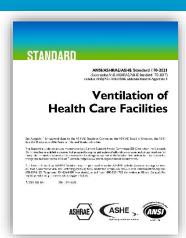




#### **Publications and Standards**

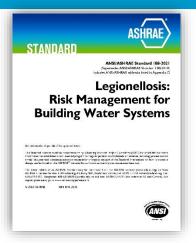


#### Recently published items available at <a href="mailto:ashrae.org/bookstore">ashrae.org/bookstore</a>



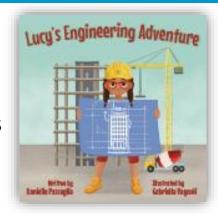
#### **Standard 170-2021**

Ventilation of Health Care Facilities (ANSI Approved; ASHE Cosponsored)

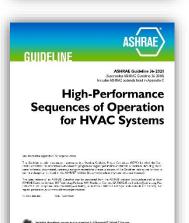


#### **Standard 188-2021**

Legionellosis: Risk
Management for
Building Water Systems
(ANSI Approved)



Lucy's Engineering Adventure



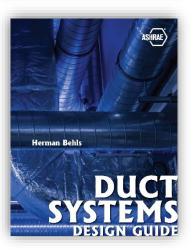
#### **Guideline 36-2021**

High-performance Sequences of Operation For HVAC Systems



# Standard 90.1 User's Manual

Based on ANSI/ASHRAE/IES Standard 90.1-2019



**Duct Systems Design Guide** 

### Resources



ASHRAE Technology Portal	Provides a one-stop location for ASHRAE papers, articles, reports, Handbook PDFs, and seminar recordings.
Online Standards Database	Allows access to public review drafts for standards, guidelines, and addenda to submit comments, to do online balloting, and to submit proposals to standards and guidelines.
Zero Energy Advanced Energy Design Guides (AEDG)	Are available for free download: offices and K-12 schools.
Science and Technology for the Built Environment	Provides free online access to archival research publication offering comprehensive reporting of original research.
ASHRAE Technical Apps	Deliver mobile design, calculation, and analysis tools to the palm of your hand.
Free Technical Resources	Offer downloads of a variety of well-known resources to everyone.
ASHRAE 365	Updates on all things ASHRAE, for free and year-round.

Find these resources and many more at <a href="mailto:ashrae.org">ashrae.org</a>

### **ASHRAE Topical Conferences**



MAY 2022

IAQ 2020: Indoor Environmental Quality Performance Approaches
May 4-6, 2022 | Athens, Greece

JUN 2022 **Ventilation 2022: 13th International Industrial Ventilation Conference For Contaminant Control** 

Jun 22 – 24, 2022 | Toronto, Canada

SEP 2022 **2022 ASHRAE Building Performance Analysis Conference** 

Sep 14 – 16, 2022 | Chicago, IL

OCT 2022 The Fifth International Conference on Efficient Building Design

Oct 20–21, 2022 | Beirut, Lebanon

DEC 2022 **Buildings XV Conference** 

Dec 5–8, 2022 | Clearwater Beach, FL



#### **2022 ASHRAE Annual Conference**





2022 ASHRAE Annual Conference
June 25-29, 2022
Toronto, ON, Canada

Registration opens February 2022 ashrae.org/2022Annual



# Questions or Comments?



# Thank You!

# ASHRAE's Role in the Globalization of Standards The International Standards Interaction Task Force



M. Dennis Knight, P.E., FASHRAE Winter Meeting, Las Vegas, NV Saturday January 29, 2022



# Recognizing a Need for Further Globalization Efforts

#### **ASHRAE Society Strategic Plan**

**Goal 1** "Position ASHRAE as an essential knowledgeable resource for a sustainable high-performance built environment

• **Goal1b** is intended to "expand capabilities **globally** (emphasis added) to create, aggregate and disseminate essential information and knowledge focusing on emerging market trends and transformative approaches."

The Board of Directors has recognized the need to increase ASHRAE's global relevance and authorized the formation of the International Standards Interaction (ISI) Task Force

# **ISI Task Force Members**

Steven Bushby, Co-Chair

Hugh Crowther, Society

Transformation Ad-Hoc

Kevin Kwong (ISO TC 142)

Kelly Seeger (ISO/TC 205)

Craig Messmer (2021-22 Technical

**Activities Committee Vice Chair)** 

Oswaldo de Siqueira Bueno

(Brazil/Region XII)

Hesham Safwat (RAL)

**Drake Erbe, Co-Chair** 

Dennis Knight (ISO TC 59/SC 13)

Danny Halel (ISO TC 86)

Susanna Hanson (2021-22 Standards

Committee Vice Chair)

Henry Seck Kan Yeo

(Singapore/Region XIII)

George Pantelidis (Europe/Region

XIV and GAC Liaison)

Farhan Mehboob (RAL)

# ISI Task Force Leadership



Steven Bushby, Co-Chair

Convenor ISO/TC 205 WG 3
Technical Advisor for IEC PC 118
Chair of US TAG for ISO/TC 205
Past Standards Committee Chair
Chair of Pres. Ad Hoc on Globalization of
Standards



Drake Erbe, Co-Chair

Chair ISO/TC 205 Chair ISO/TC 86 Chair of US TAG for ISO/TC 163 Past Chair of SSPC 90.1 (2016/2019)





George Pantelidis (Europe/Region XIV and GAC Liaison)







Henry Seck Kan Yeo (Singapore/Region XIII)



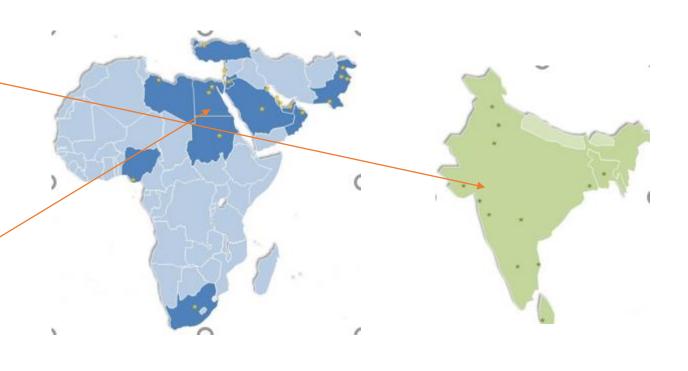




Farhan Mehboob (Pakistan/RAL)



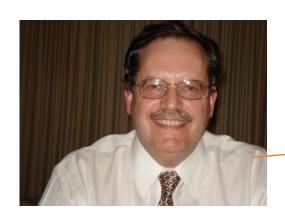
Hesham Safwat (Egypt/RAL)



Sub Region 1

Sub Region 2





Oswaldo de Siqueira Bueno (Brazil/Region XII)





# Society/ISO Representation



Hugh Crowther (Society Transformation Ad Hoc)



Susanna Hanson (Stds Comm. Vice Chair)



Dennis Knight (Chair of US Technical Advisory Group ISO/TC 59/SC 13)



Kelley Seeger (US Technical Advisory Group to ISO/TC 205 Representative)



# Society/ISO Representation (Continued)



Craig Messmer (Technical Activities Vice Chair)



Danny Halel (Chair U.S Technical Advisory Group ISO/TC 86)



Kevin Kwong
(Chair of US
Technical
Advisory Group to
ISO/TC 142)



# International Standards Interaction (ISI) Task Force Scope

- 1. Harness ASHRAE technical resources to influence international standards impacting built environment.
- 2. Informing leadership of international activities
  - Provide recommendation on activities
  - Provide recommendations on policies





# International Standards Interaction (ISI) Task Force Scope (Continued)

- 3. Serving as a resource to maximize international impacts of ASHRAE standards and technical work.
- Implementing the international aspects of the Society Strategic plan - Coordinating interactions internally and externally.
- Coordinating with the Government Affairs Committee -Provide guidance for policy makers on relevance of ASHRAE standards and international standards.

# What is ASHRAE doing today?

#### **ASHRAE** has:

- Staff serving as Administrator for 5 TAGs and Secretariat for 2 ISO TCs.
- Procedures that enable adoption of ASHRAE standards by ISO or IEC.
- Procedures to adopt international standards as ANSI/ASHRAE standards.
- Members outside the U.S. that can participate on project committees.
- Procedures for project committees to establish liaisons with international organizations.
- Provided technical assistance to countries that wish to adapt ASHRAE standards to their local needs.



## ASHRAE's Successes

Our successes have one common key characteristic- there were one or more individuals who had a passion to make it happen.



# Four Task Groups Formed to Address Focus Areas

Task Group One: Interacting and Outreach with Chapters Globally

Task Group Two: Outreach to Technical Committees

Task Group Three: Outreach to Project Committees

Task Group Four: Tracking of Emerging Standards That Affect ASHRAE



# Task Group One: Interacting and outreach with Chapters Globally



Hugh Crowther, Task Force One Leader

#### **Task Group One Scope:**

- Engage chapters globally in standards development
- Educate members about the importance of ASHRAE standards
- Encourage participation in developing standards.
- Understand barriers to use and adoption globally
- Increase use of ASHRAE standards globally



# Task Group 2: Outreach to Technical Committees



Craig Messmer
Task Group 2 Leader

#### **Task Group 2 Scope:**

- Engaging international members in development of documents, programs, training, and standards
- Encourage a global mindset
- Enable TCs interaction with US TAGs to provide input to standards developed elsewhere
- Develop a process to establish an international subcommittee within TCs.



# Task Group 3: Outreach to Project Committees



Susanna Hanson Task Group 3 Leader

#### Task Group 3 Scope:

- Engaging international members in standard development
- Encourage a global mindset
- Prioritize standards most suitable for international use



# Task Group Three Goals

#### **Outreach to Project Committees**

- Inspire experts to think globally when developing standards and consider existing global standards and the needs of countries outside North America.
- Encourage involvement in the development of international standards bodies and jurisdictional developments.
- Increased involvement/communication with key standards and guidelines.
- Increased use of the already established International Organizational Liaison.

# Task Group 4: Tracking of Emerging Standards that Affect ASHRAE



Dennis Knight
Task Group 4 Leader

### Task Group 4 Scope:

- Track emerging standards for the built environment and allied fields
- Create mechanism for feedback on emerging standards
- Develop methodologies to advise ASHRAE about how emerging standards will affect the industry



# **ASHRAE Strengths**

- A diverse membership with global reach
- An excellent reputation
- High-quality, time tested procedures for developing and maintaining standards
- Dedicated, hard working members with a long history of volunteer service on project committees



# ISI Task Force - Measures of Success

- 1. The use of ASHRAE standards goes up globally.
- 2. ASHRAE Standards Tech delivered in a way that it can be used locally in a local document.
- 3. Outreach to chapters increased.
- 4. Outreach to PCs and TCs increased.
- 5. Processes developed that could be the starting point for other groups within ASHRAE to make their services, products, etc. more global.



We Want You Involved!



# QUESTIONS?





#### **ASHRAE 2022 Winter Conference**







# ASHRAE-UNEP Cooperation

Ayman Eltalouny
International Partnership Coordinator
OzonAction, Law Division
UN Environment Programme (UNEP)

# Dealing with HVACR Holistically





# The Challenge & The Opportunity



3.6 billion cooling appliances today

9.5 billion appliances by 2050 If left unchecked, emissions from cooling are expected to double by 2030 and triple by 2100 driven by heat waves, population growth, urbanization, a growing middle class.

By combining energy efficiency improvements with the transition away from super-polluting refrigerants, the world could avoid cumulative GHG emissions equal to 4-8 years of total annual GHG emissions at 2018 levels.









# Why buildings?





The equivalent of Paris is added in floor space every 5 days!

Half of the buildings standing in 2060 have not yet been built!



The buildings sector offers the **most cost-effective mitigation** potential of any industrial sector and co-benefits **including job creation**, improved indoor and outdoor air quality, improved climate resilience and adaptive capacity





# Key Message: Countries increasingly recognize that building energy codes are essential, yet remain low across Africa and in South and Central America



#### **Buildings sector Code coverage in 2020**



Note: This map is without prejudice to the status of or the sovereignty over any territory, to the delimitation of international frontiers and boundaries, and to the name of any territory, city, or area. Recent updates are highlighted with a red border. Building energy codes relating to specific cities only are not shown.

Source: IEA 2021e. All rights reserved.

As of September 2021, only 43 countries had nationwide mandatory codes for all buildings.

Where they are implemented, the codes are typically not aligned with meeting a net zero goal by 2050.

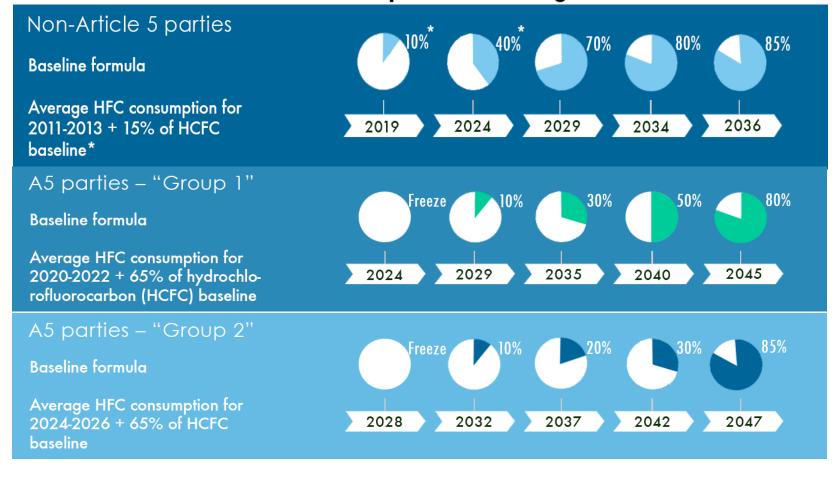
82% of the population that is to be added by 2030 living in countries without any building energy codes or only voluntary codes.

# Montreal Protocol – A tool to protect ozone & climate



# Handbook for the **Montreal Protocol** on Substances that Deplete the **Ozone Layer** Twelfth edition (2018) UN (A)

#### HFC control measures as per the 2016 Kigali Amendment







# Montreal Protocol context

#### **KIGALI AMENDMENT** =

#### Refrigerants

Montreal Protocol obligation

Mandatory

Compliance-relevant

Financial support under Multilateral Fund

Reduction of direct emissions



#### **Energy efficiency**

Aspirational under Montreal Protocol

Voluntary

Not compliance-relevant

Financial support under Multilateral Fund not yet decided





Reduction of indirect emissions



- World still heading for a temperature rise in excess of 3°C this century – far beyond Paris Agreement goals of "well below 2°C"
- Government pledges (Nationally Determined Contributions) still woefully inadequate
- Levels of ambition in Paris Agreement must be X3 for 2°C pathway & increased at least X5 for 1.5°C pathway
- Growing number of countries committing to Net-Zero Emissions goals by midcentury is the most significant climate policy development of 2020
- These commitments must be urgently translated into strong near-term policies & action
- Cooling included in all five themes at UNFCCC COP-26



# **Examples of Cooling Commitments from COP-26**

#### At the national level:

- 14 SEAD (Super-efficient Equipment and Appliance Deployment) Initiative member countries have signed up to the initiative's <u>Product Efficiency Call to Action</u>. This is the largest ever government commitment to double product efficiency globally by 2030, with a focus on air conditioners, refrigerators, motors, and lighting (which account for 40% of global electricity demand).
- The UK Government committed £12 million (\$16 million) to support rapid progress on reducing hydrofluorocarbons (HFCs) and for the adoption of energy efficient cooling solutions. They also launched their <a href="Urban Climate Action Programme">Urban Climate Action Programme</a>, which will support cities and regions in developing countries to decarbonize.
- France launched a <u>leadership guide on efficient, climate-friendly cooling</u>, in partnership with the UN Environment Programme's Cool Coalition and Climate and Clean Air Coalition.
- A new <u>Champions Group on Adaptation Finance</u> launched by Ireland, the Netherlands, Denmark, Sweden, the UK, and Finland at the UN General Assembly in September <u>pledged to increase the total share of climate finance spent on adaptation and resilience</u>, particularly for Least Developed Countries (LDCs) and Small Island Developing States (SIDS). Initiatives like this will mobilize resources to help tackle extreme heat.

#### From the private sector:

- The <u>Climate Group's EP100</u> doubled its membership during COP26, meaning that more cooling manufacturers and buyers are committed to improving their energy productivity.
- Fourteen cooling suppliers have now joined the Race to Zero, representing 28% of the residential cooling market
- The UN Environment Programme's United for Efficiency (U4E) program launched their <u>Model Regulation Guidelines for Energy-Efficient and Climate-Friendly Commercial Refrigeration Equipment</u> to complement the initiative's existing model regulation guidelines for <u>air conditioners</u> and <u>refrigerators</u>.



AGENDA 2030



# **RACHP & Sustainable Development Goals**











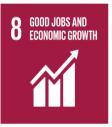






(2) Food Security (3) Health (4) Education (8) Economic Growth (11) Sustainable Cities (12) Sustainable **Production & Consumption** 















(2) Food Security, (3) Health (7) Renewable (9) Innovation (11) Sustainable Cities (12) Sustainable Production & Consumption (13) Climate Action













**Education & Employment** 

(4) Quality Education (8) Good Jobs & Economic Growth, and Innovation



**Connected** 

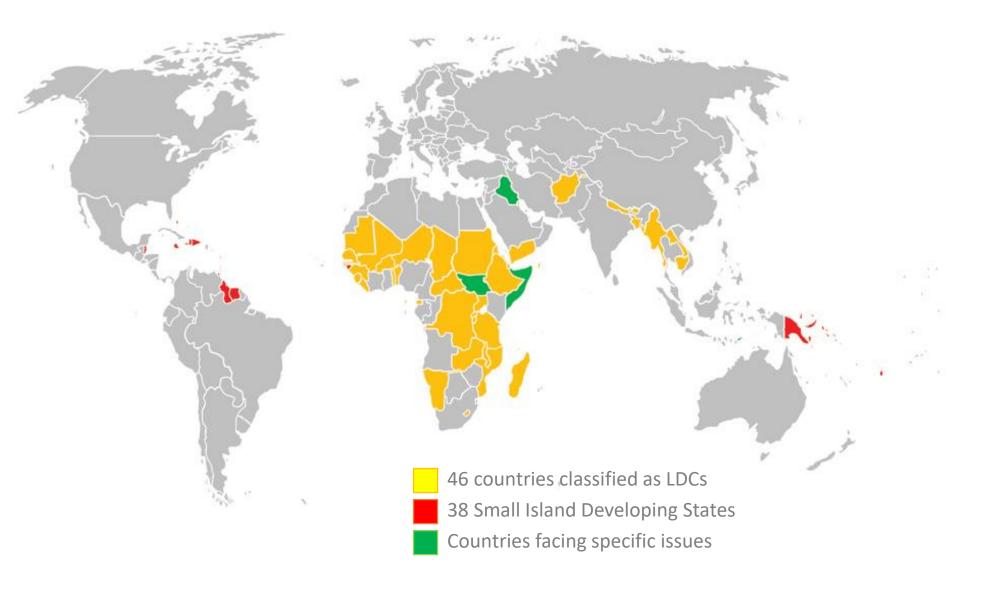
Not recognized



# A challenging work environment



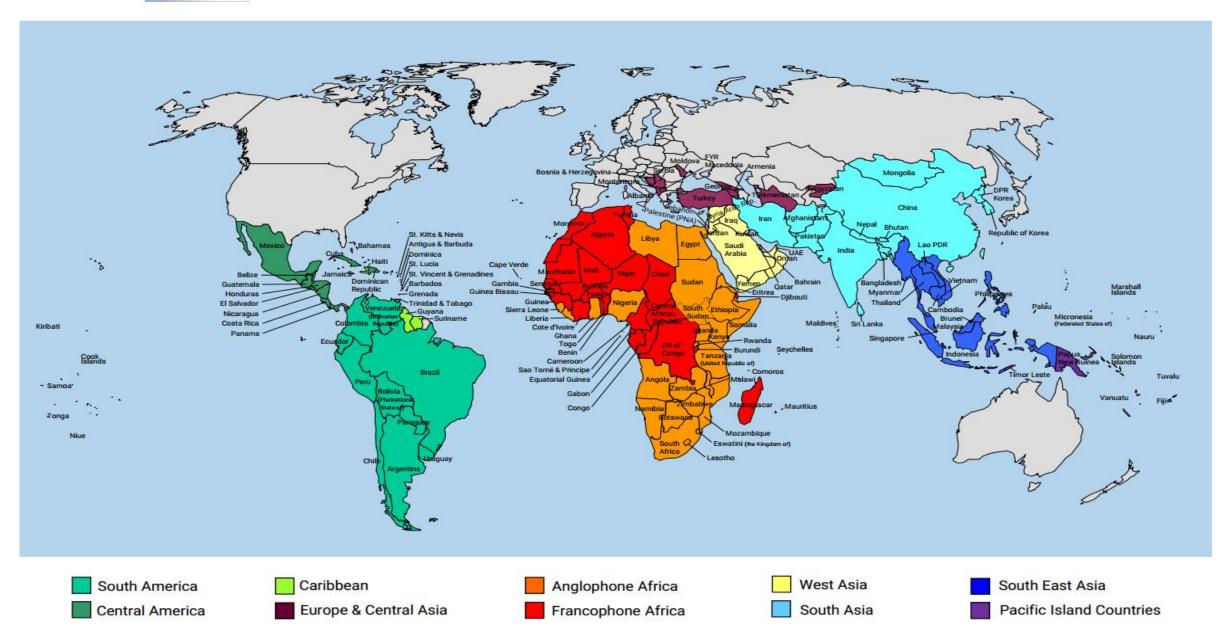
UNEP
OzonAction
works with all
147 developing
countries







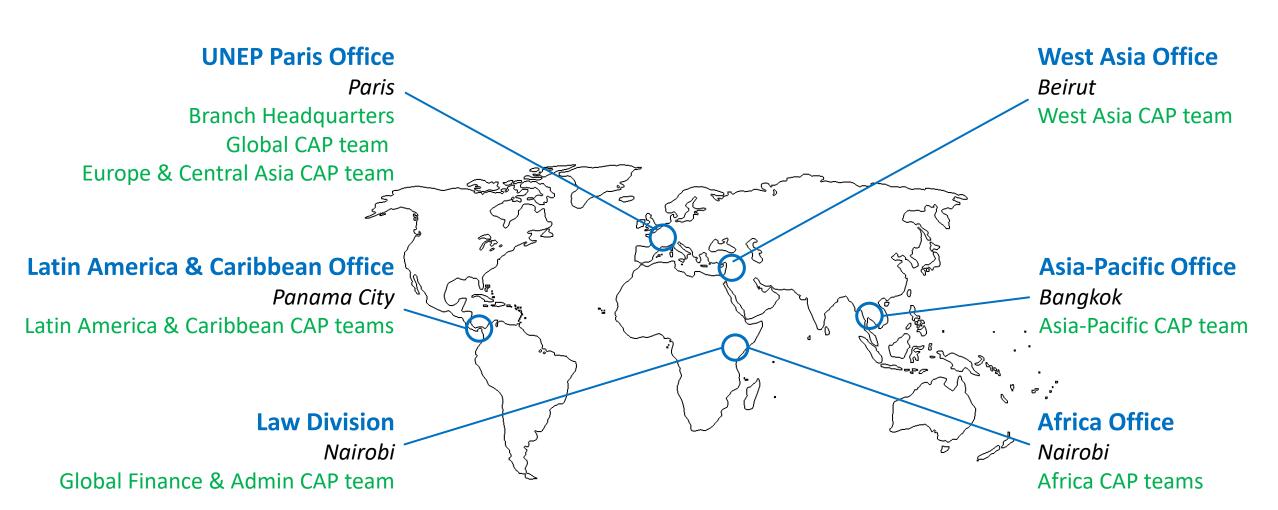
## **Members of the Regional Networks of Ozone Officers**







# OzonAction team locations

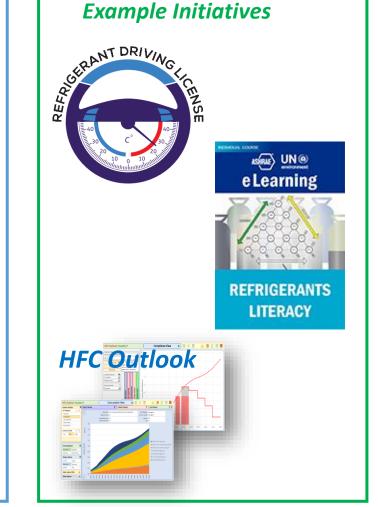




# Partnerships for achieving Montreal Protocol objectives (examples)











OzonAction
SUPPORTING
MONTREAL PROTOCOL
COMPLIANCE
SINCE 1991

# **UNEP-ASHRAE**

# COOPERATION

# Refrigerant Management for Developing Economies

Two Main Tracks will be the basis of the 2021-2023 workplan which are:

#### Track-A:

**Efficient outreach and deployment of ASHRAE-UNEP Services** 

#### Track-B:

Support emerging needs of developing countries

- Promotion of products and tools
- Feedback and Evaluation
- International Events/Services
- Special Thematic Areas (Women in RACHP)
- Special Thematic Areas (Flammability and Safety)
- Special Thematic Areas (COVID-19 Consideration)







# New Work-Plan 2021-2023







# **ASHRAE-UNEP Products**

Flagship Products

Specialized Events

eLearning Program Innovation Award

RAC Installations Assessment Tool

Other Products

University Course

World Refrigeration Day Support to ASHRAE's Committees

**Factsheets** 

Outreach and Promotion: ASHRAE-UNEP Portal, ASHRAE Chapters, ASHRAE Committees, NOUs and Others

# ASHRAE-UNEP Portal

www.ashrae.org/ashraeunepportal

#### Launched September 2019

#### Users can access free content such as:

- eLearning courses
- University course
- Lower GWP Awards
- The current ASHRAE and UN Environment OzonAction Workplan
- News and Events
- Other ASHRAE and UN Environment resources



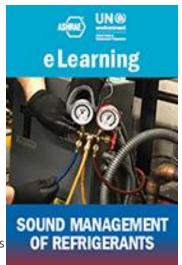
This course offers basic understanding about refrigerants types, policies, classifications and management practices. It is aimed at non-specialists in the field, such as facility managers, policy makers, and other individuals who are involved in refrigerant issues from a non-technical perspective. The course is available in English, Spanish, and French.

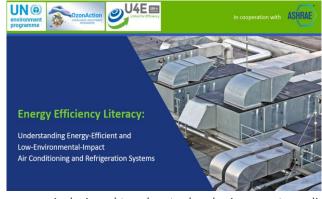


#### **ASHRAE-UNEP Portal**

This course reviews best practices for key environmental issues, ASHRAE standards, and refrigerant terminology for airconditioning and refrigeration specialists. Topics covered include principles of refrigerant recovery, recycling, and reclaiming; Lubricants, their properties and applications.

The course embraces safe handling, service, and installation of refrigeration equipment certification schemes and relevant policies and regulations.

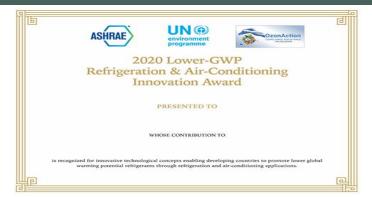




The course is designed to educate developing country policy makers, business leaders, and community stakeholders about the benefits of air conditioning and refrigeration, the scientific principles involved, and factors that contribute to maximum energy efficiency.

The purpose of this fact sheet is to provide an update on ASHRAE standards for refrigerants and to introduce the new refrigerants that have been awarded an «R» number over the last few years. It is updated twice yearly.





A joint ASHRAE and UNEP award promotes innovative design, research and practice by recognizing people who have developed or implemented innovative technological concepts applied in developing countries to minimize global warming potential (GWP) through refrigeration and air-conditioning management.



This course is first of its kind by UN Environment to offer comprehensive scientific information at the academic level. Future engineers will be offered the skills required to manage refrigerants soundly and considering technical and policy aspects associated with the refrigeration and air-conditioning industry.



#### ASHRAE-UNEP Cooperation Joint Specialized Events (2010-2020)

Specialized Events

<b>Event</b>	Date - Venue	
International Conference on Chillers Technologies (RAL-CRC )	Cairo (Sept 2010)	
International Workshop on Alternative Refrigerants (RAL-CRC)	Abu Dhabi (Sept 2011)	
First International Symposium on Alternative Refrigerants for High Ambient Temperature (HAT) Countries	Kuwait (2011)	
Workshop on Implementation of HPMP (RAL-CRC)	Doha (Sept 2013)	
2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> & 5 <sup>th</sup> International Symposia on Alternative Refrigerants for High Ambient Temperature (HAT) Countries	Dubai (2012-2015)	
International Conference on Sustainable Technologies of RAC in Marine/Off-Shore Fisheries Sectors	Bangkok (April 2017)	
International Conference on District Cooling for Urban Development	Sharm El-Sheikh (Sept 2017)	
Special Session at ASHRAE Developing Economies Conference	Delhi (Nov 2017)	
Side Events about ASHRAE-UNEP Cooperation and Products at Montreal Protocol Meetings (Montreal, Quito, Rome)	2017, 2018, 2019	
International Seminar on Cold Chain in Article 5 Countries (REFCOLD India)	Ahmedabad (Nov 2018)	
Twinning of NOUs and Energy Officials (Workshops for 147 countries + one global session) (China, Thailand, Turkey, Guatemala, Ecuador, Botswana, Paris) 18-19		
Seminar on Alternative Lower GWP technologies for High ambient temperature countries	Atlanta (Jan 2019)	
Technical Conference on HVAC&R Codes for Developing Economies (CRC-RAL)	Amman (Sept 2019)	
International Webinars on High Ambient Symposium (2-sessions in English and French)	June 2020	
Managing A/C systems with COVID-19 in mind	Nov 2020	

Many of above events organized in cooperation with partners i.e. AHRI, IIR, ISHRAE, UNIDO, and local partners at host countries



ASHRAE-UNEP FACTSHEET

UPDATE ON NEW REFRIGERANTS DESIGNATIONS AND SAFETY CLASSIFICATIONS

(UPDATED EVERY 6 MONTHS)

https://www.unep.org/ozonaction/news/story/update-new-refrigerants-designations-and-safety-classifications



HOW TO ELEVATE THE ASHRAE-UNEP COOPERATION











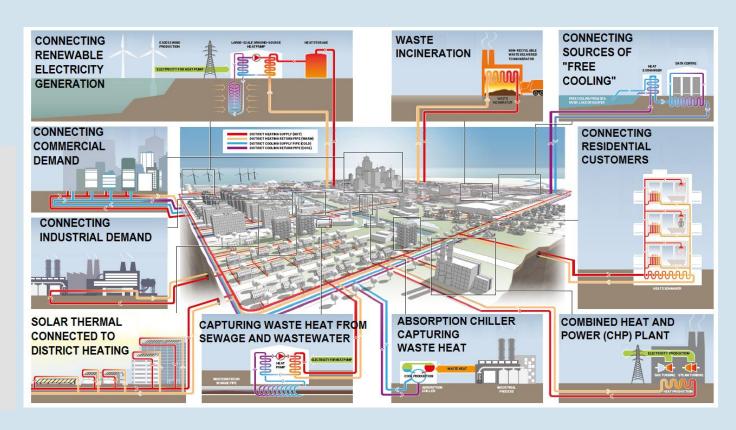


# WHERE ARE WE?



# 14 Countries30 Cities





#### **About the GlobalABC**

Founded at COP21, hosted by UNEP and with 215 members, including 34 countries, the GlobalABC is the leading global platform for governments, private sector, civil society, research, and intergovernmental organizations committed to a common vision: A zero-emission, efficient and resilient buildings and construction sector.





#### GlobalABC's key activities







#### TRACK PROGRESS

Through the Global Status Report for Buildings and Construction; building passports



#### BE A CATALYST

Matchmaking and radical collaboration: national alliances; building passports



# SET TAGETS AND SUPPORT COUNTRIES

towards zero-emission, efficient and resilient buildings and construction through our building decarbonization roadmaps; key decarbonization measures

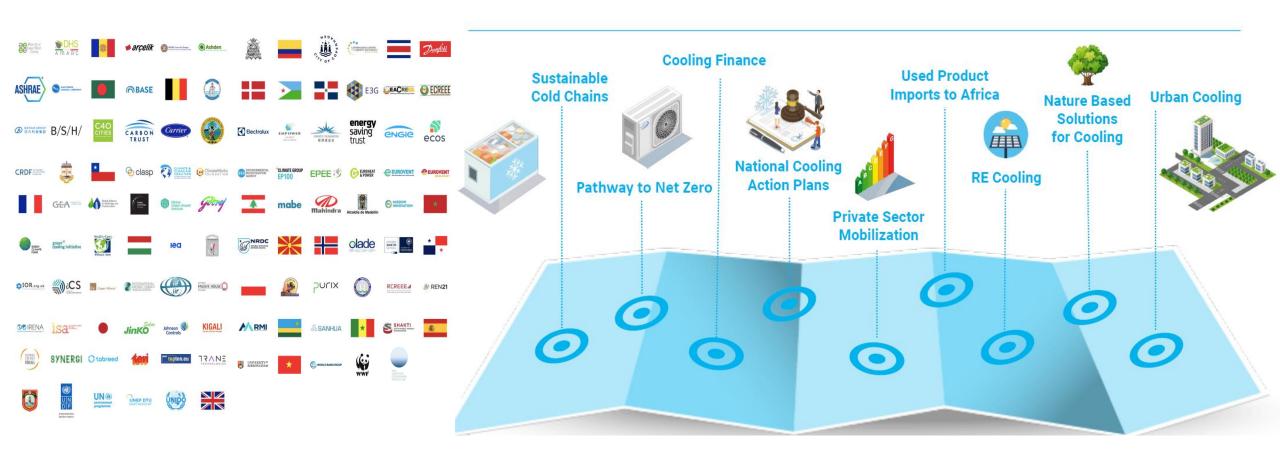


BE A GLOBAL ADVOCATE

## **The Cool Coalition**



The Cool Coalition is a **global multi-stakeholder network** that connects a wide range of key actors from government, cities, international organizations, businesses, finance, academia, and civil society groups to facilitate knowledge exchange, advocacy and **joint action towards a rapid global transition to efficient and climate-friendly cooling.** 



# THANK YOU

#### **CONTACT INFORMATION**

#### **ASHRAE**

www.ashrae.org

wchakroun@gmail.com

mowen@ashrae.org

#### **UNEP OzonAction**

www.unenvironment.org/ozonaction

ayman.eltalouny@un.org







		GOVERNMENT AFFAIRS CATEGORY – 2021-22 PAOE		
MINIMUM: 500 POINTS			PAR: 1000 POINTS	
Presid	lential Initiatives:			
GA1	50 points; (500 points maximum)	For each unique industry topic discussed with a government individual, department, or agency (elected official, policy decision maker or senior staff level) based on <a href="Epidemic Task Force resources">Epidemic Task Force resources</a> , Task Force on Building Decarbonization resources or issues that alignalignment with the current Presidential Initiatives Master List		
Efficie	nt use of volunteers' time:	that angituing inficite with the current residential initiatives widster asse		
GA2	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)		
GA3	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)		
GA4	50 points; (50 points maximum)	For CTTC chair serving on the GAC committee in an effort to promote GAC topics for chapter meeting presentations		
Award	ds and Submission Activities:			
GA5	100 points; (300 points maximum)	For each Chapter Government Affairs Award entry into Society or Regional co	, , , , , , , , , , , , , , , , , , , ,	
GA6	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 i a chapter newsletter or posted on a chapter website with copy sent to RVC (maximum of two articles per month)		
Meeti	ngs, Presentations or Events:			
GA7	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)		
GA8	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		
GA9	50 points; (200 points maximum)	For promotion of ASHRAE certification programs through personal presentations or newsletters with government officials and agencies		
GA10	50 points; (200 points maximum)	For each Chapter program on the topic of government activities (minimum 45 minute presentation; maximum 2)		
GA11	100 points; (400 points maximum)	Of 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		
GA12	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		
RVC A	ssigns/Enters the following points:			
GA13	50-150 points; (150 points maximum)	For the incoming Chapter GAC committee chair attending the GAC CRC works the chair who is a senior officer or member of GAC)	shop (50 points for chapter representative other than	
GA14	50-100 points; (no points maximum)	For each documented personal contact (meeting) by a chapter member with relevant to buildings, engineering or construction, sustainability including bu system facility staff, state energy code officials, tribal government entities etc subjects or Chapter goals and objectives, with notification and submit a record Government Affairs Office (Points will only be given once a report is submitted will be assigned by the RVC, once the report is submitted to the Government	illding officials, school boards and universities school c.) with the goal of promoting ASHRAE related rd via the online portal sent to the ASHRAE ed to the ASHRAE Government Affairs Office. Points Affairs Office.)	
GA15	100 points; (200 points maximum)	m) For chapter submitting <u>local issues identified with goals and</u> report(s) <u>with local issues identified</u> to RVC (with a cap of 200 points in one year)		
GA16	50-100 points; (100 points maximum)	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)		
GA17	10 –300 points; (300 points maximum)	For achieving goals established in goal-setting session with RVC (points assign	ned by RVC by June 30)	