



MINUTES

BOARD OF DIRECTORS MEETING

**Indianapolis, IN
Sunday, June 23, 2024**

Note: These draft minutes have not been approved and are not the official record until approved by the Board of Directors.

TABLE OF CONTENTS
 Board of Directors Meeting
 Sunday, June 23, 2024

CALL TO ORDER	2
VALUE STATEMENT	2
ROLL CALL/INTRODUCTIONS	2
REVIEW OF MEETING AGENDA	2
APPROVAL OF MINUTES	2
REVIEW OF ACTION ITEMS	2
OPEN SESSION – ADDRESSES TO THE BOARD OF DIRECTORS	2-4
REPORT OF THE TREASURER	4-9
FY23-24 FINANCIAL STATUS AND FY24-25 BUDGET PRESENTATION.....	4-7
FINANCE COMMITTEE REPORT AND FY24-25 BUDGET APPROVAL.....	7-9
PROPOSED MOTIONS	9-10
ASHRAE BRANDING	10-11
POSTPONED MOTION – JANUARY 21, 2024	11
PRESIDENTIAL AD HOC COMMITTEE AND TASK GROUP REPORTS	12-16
TASK FORCE FOR BUILDING DECARBONIZATION EXCOM.....	12-13
POLICIES FOR COLLABORATION AD HOC.....	13-15
ASHRAE AT INTERNATIONAL CONFERENCES AD HOC.....	15
ASHRAE HQ AD HOC.....	15
ASHRAE’S CARBON FOOTPRINT: MEASUREMENT & RECOMMENDATIONS FOR REDUCTION.....	15
CHAPTER & REGION CARBON GUIDANCE AD HOC.....	15
DOE SCHOOLS PILOT PROJECT – LEADERSHIP TEAMS.....	16
STRATEGIC SUCCESSION PLANNING AD HOC.....	16
COMMITTEE REPORTS	16-17
EXECUTIVE COMMITTEE – JUNE 22, 2024.....	16
PLANNING COMMITTEE.....	16

NOMINATING COMMITTEE..... 17

AUDIT COMMITTEE..... 17

BOD SUBCOMMITTEE REPORTS..... 17

 DEI ADVISORY..... 17

OLD BUSINESS..... 18

 FUTURE OF THE ANNUAL/WINTER MEETINGS..... 18

REPORT OF THE PRESIDENT..... 18

RECOGNITION OF OUTGOING CHAIRS..... 18

RECOGNITION AND REMARKS FROM OUTGOING BOD MEMBERS..... 18

EXECUTIVE SESSION..... 18

ADJOURNMENT..... 18

PRINCIPAL APPROVED MOTIONS

Board of Directors Meeting

Sunday, June 23, 2024

No. - Pg.	Motion
1 - 2	The minutes from March 22, 2024 and May 16, 2024 Board of Directors open session meetings be approved.
2 - 4	Line item 12 – <i>Shift Historical Committee to virtual meetings only; investigate the possibility of moving this committee reporting to the Communications Committee/Members Council</i> – be removed from the list of proposed expense reductions in the 2024-25 Society budget.
3 - 5	\$19,000 be allocated for the DEI Subcommittee budget for the 2024-25 Society Budget.
4 - 7	Line 13 from the list of proposed expense reductions in the 2024-25 Society budget be edited as shown below: Reduce the Replace ASHRAE Global Training Center (Dubai) <u>budget by \$19,000.</u> with on line or Chapter sponsored in-person courses.
5 - 7	Line item 14 – <i>Sunset Building EQ</i> – be removed from the list of proposed expense reductions in the 2024-25 Society budget.
6 - 8	The Finance Committee recommends to the Board of Directors that the 2024-25 draft budget for the Research Fund showing total revenues and expenses of \$3,928,000 be approved.
7 - 8	The Finance Committee recommends to the Board of Directors that they approve a discretionary capital expenditure budget of \$200,000 for fiscal year 2024-25.
8 - 8	Finance Committee recommends to the Board of Directors (BOD) to reallocate the capital expenditure budget previously allocated for the Functional Group Evaluation and Activity project that was previously approved for \$125,000 (SY22-23) as a capital expenditure and allocate an additional capital expenditure amount of \$28,125 from the General Reserve Fund.
9 - 8	Finance Committee recommends to the Board of Directors (BOD) that Society create an additional reserve investment fund labeled the “Future Fund” and approve a General and Research Reserve Future Fund Investment Policy (ATTACHMENT B).
10 - 9	Finance Committee recommends to the Board of Directors that the 2024-25 draft budget for the General Fund, inclusive of council budgets, showing revenues of \$28,449,800 and expenses of \$28,440,800 be approved. (ATTACHMENT C)
12 - 10	Effective July 1, 2025, or sooner if possible, entering PAOE points for items that are currently restricted to be entered only by Regional Leaders be changed so that both Regional Leaders and the Chapter Committee Chairs can enter the points.
13 - 11	That the ASHRAE MOU template be revised to align with the new AASA ‘Collaboration Agreement and Membership Requirements’ document.
14 - 12	The TFBD recommends to the Board of Directors that the Rules of the Board Section 1.201.007 be revised as shown below: 1.201.007 (not used) <u>ASHRAE Policy on Standards and Guidelines that Address Global Warming Potential (GWP) Metrics. ASHRAE standards and guidelines that address GWP in their text shall harmonize and align its GWP metrics as established in international standards and agreements. The 100-year GWP is</u>

	<p><u>most commonly used in international reporting and agreements, including under the United Nations Framework Convention on Climate Change (UNFCCC) and the Kyoto Protocol, UNEP, UNDP, ISO, and The Greenhouse Gas Protocol. The GWP values in ASHRAE standards and guidelines shall be based on 100-year timeline values. While ASHRAE standards and guidelines shall be based on 100-year timelines by default, they should be flexible enough to allow GWP metrics, such as GWP-20, when individual jurisdictions require their use.</u></p>
<p>15 - 12</p>	<p>MOTION 14 be amended as shown below: 1.201.007 (not used) <u>ASHRAE Policy on Standards and Guidelines that Address Global Warming Potential (GWP) Metrics. ASHRAE standards and guidelines that address GWP in their text shall harmonize and align its GWP metrics as established in international standards and agreements. The 100-year GWP is most commonly used in international reporting and agreements, including under the United Nations Framework Convention on Climate Change (UNFCCC) and the Kyoto Protocol, UNEP, UNDP, ISO, and The Greenhouse Gas Protocol. The GWP values in ASHRAE standards and guidelines shall be based on 100-year timeline values. While ASHRAE standards and guidelines shall be based on 100-year timelines by default, they should be flexible enough to allow alternative GWP metrics, such as GWP-20, when individual jurisdictions require their use.</u></p>
<p>16 - 13</p>	<p>The Policies for Collaboration Ad Hoc recommends that the ASHRAE Associate Society Alliance (AASA) ‘Collaboration Agreement and Membership Requirements,’ included in ATTACHMENT D, Parts I and II, be approved.</p>
<p>18 - 14</p>	<p>The Policies for Collaboration Ad Hoc recommend that the Rules of the Board (ROB) section 2.104 be revised as shown below: 2.104.021.1 The net display area shall not exceed 10,000 square feet <u>[929 square meters] or 100 exhibitors, whichever is less. feet;</u> 2.104.021.2 Individual display areas shall not exceed 100 square feet; 2.104.021.3 No organizations shall have more than two (2) display areas; ... <u>2.104.021.8 Chapters may not sponsor, co-sponsor, conduct, manage or operate exhibits or expositions during any meeting sponsored by Society or during any AHR show in the United States or Mexico.</u> <u>2.104.021.9 ASHRAE Chapters cannot sponsor or endorse per IEC agreement an exposition run by another organization without the written permission from ASHRAE’s partners with the AHR Expo.</u> <u>2.104.021.10 Requests of exceptions to these restrictions to conduct, manage, operate,</u></p>

	<u>sponsor, and/or endorse an exposition may be sent, in writing, to the Director of Member Services for approval by ASHRAE's partners with the AHR Expo.</u>
19 - 16	ExCom recommends to the Board of Directors that the Public Policy Priorities, as shown in ATTACHMENT E, for Society Year 2024-25 be approved.
20 - 16	ExCom recommends to the BOD that Society enter into an MOU with Women in HVAC&R.
21 - 16	ExCom recommends to the BOD that Society enter into an MOU with Water Filtration Institute (WFI).
22 - 17	<p>The Nominating Committee recommends the following changes to the Society Bylaws, Section 7.6, as shown below:</p> <p>... No member of the Board of Directors shall be eligible to serve on the Nominating Committee. <u>Additionally, the Region Members Council Representative or Director and Regional Chair Alternates shall not be eligible to serve on this committee.</u></p>

ACTION ITEMS

Board of Directors Meeting

Sunday, June 23, 2024

No. - Pg.	Responsibility	Summary of Action	Status	Goal Date
1 – 2	Scoggins	Work with AASA to review and provide recommendations on external actionable items from the Global HVAC Summit. (Assigned February 5, 2023)		
2 – 2	Rakheja and Leung	Provide recommendations to the BOD on next steps regarding organizations in the global south, possible new MOUs, and collaborations with Society.		
3 – 11	Staff	Investigate the possibility of rebranding what ASHRAE stands for.		



MINUTES

BOARD OF DIRECTORS MEETING

Sunday, June 23, 2024

MEMBERS PRESENT:

Ginger Scoggins, President
Dennis Knight, President-Elect
Bill McQuade, Treasurer
Billy Austin, Vice President
Wade Conlan, Vice President
Ashish Rakheja, Vice President
Chandra Sekhar, Vice President
Jeff Littleton, Secretary
Steven Sill, Region I DRC
Ronald Gagnon, Region II DRC
Mark Tome, Region III DRC
Bryan Holcomb, Region IV DRC
Jim Arnold, Region V DRC
Susanna Hanson, Region VI DRC
Scott Peach, Region VII DRC
Joe Sanders, Region VIII DRC

Jonathan Smith, Region IX DRC
Buzz Wright, Region X DRC
Eileen Jensen, Region XI DRC
John Constantinide, Region XII DRC
Cheng Wee Leong, Region XIII DRC
Mahroo Eftekhari, Region XIV DRC
Richie Mittal, RAL DRC
Doug Cochrane, DAL
Patrick Marks, DAL
Blake Ellis, DAL
Art Giesler, DAL
Kishor Khankari, DAL
Luke Leung, DAL
Corey Metzger, DAL
Heather Schopplein, DAL
Wei Sun, DAL

GUESTS PRESENT:

Sarah Maston	Sherry Abbott-Adkins	Jayson Bursill	Wesley Stanfill
Devin Abellon	Rob Craddock	Drew Champlin	Timothy Theriault
Ken Fulk	Bassel Anbari	Don Colliver	Austin Wallace
Charles Bertuch	Carrie Brown	Petros Dalavouras	Douglas Zentz
Genevieve Lussier	David Yashar	Jason Davidson	Katlyn Stoker
Vinay Ananthachar	Bill Bahnfleth	Hywel Davies	Julia Timberman
Alexander Armstrong	Costas Balaras	Michael Deru	Tom Akinbowale Soluade
Ade Awujoola	Erich Binder	Valerie Diaz	Amr Suliman
Sara Fazel	Darryl Boyce	Fernando Dutra del	Vincent Tremblay-Ouimet
Richard Gunpat	Douglas Fick	Castillo	James Wolf Watson
Jeanette Hay	Anuj Gupta	Chuck Gulledge	Tom Pollard
Trent Hunt	Sheila Hayter	Bill Harrison	Anna Sanzere
Stephanie Kunkel	Eileen Jensen	Carl Huber	David Sinclair
Chris Miller	Bing Liu	Caroline Kelty	Patrick Ryan
Vineet Nair	Mark Miller	Kevin Marple	Andres Sepulveda
Kent Peterson	Badri Patel	Spencer Morasch	Sameeraa Soltanian-Zadeh
Robert Romeo	Bria Poe	Michael Patton	
	Mick Schwedler	Chad Smith	

STAFF PRESENT:

Candace Denton, Sr. Manager - Board Services
 Chandrias Jolly, Manager - Board Services
 Vanita Gupta, Director – Marketing
 Lizzy Seymour – Director – Member Services
 Mark Owen, Director - Publications & Education
 Kirstin Pilot, Director - Development
 Stephanie Reiniche, Director - Technology
 Alice Yates, Director - Government Affairs
 Craig Wright, Director of Finance

Tony Giometti, Group Manager - Conferences
 Jacob Karson, Manager – Group Outreach and Engagement
 Emily Porcari, Manager – State and Local Affairs
 Joslyn Ratcliff, Sr. Manager – Marketing Communications
 Savanna Smith, Scholarship Coord./Exec. Asst.

CALL TO ORDER

The meeting was called to order at 1:30 pm.

VALUE STATEMENT

Ms. Scoggins read the value statement and advised that the full code of ethics, core values, and diversity statements were available online.

ROLL CALL/INTRODUCTIONS

Members, guests, and staff introduced themselves and were in attendance as noted above.

REVIEW OF MEETING AGENDA

Ms. Scoggins reviewed the meeting agenda. There were no changes or additions.

APPROVAL OF MINUTES

Mr. Gagnon moved and Mr. Constantinide seconded that

- 1. The minutes from the March 22, 2024 and May 16, 2024 Board of Directors open session meetings be approved.

MOTION 1 PASSED (Via Unanimous Vote, CNV).

REVIEW OF ACTION ITEMS

Action item 2 was reported as ongoing; all other action items were reported as complete. **AI - 1**
 Recommendations from Mr. Rakheja regarding action item 3 and organizations in the global south for potential MOUs are included in ATTACHMENT A.

Mr. Rakheja and Mr. Leung will provide recommendations to the BOD on next steps regarding organizations in the global south, possible new MOUs, and collaborations with Society. **AI - 2**

OPEN SESSION – ADDRESSES TO THE BOARD OF DIRECTORS

The floor was opened for members to address the BOD. A summary of those comments is below:

Spencer Morasch, Past Handbook Committee Chair – Speaking on behalf of the Handbook Committee. It recently came to the attention of the Handbook Committee that the BOD will be voting on a proposed Society budget that will impact the operation and possibly the very existence of the committee.

The Handbook Committee has contributed toward the Strategic Plan by accomplishing the following goals:

Infuse Enthusiasm – Published key anniversary dates and currently working on 2028 heat pump anniversary and ASRE anniversary.

Expand Impact and Collaboration – ASHRAE has joined a collaborative that includes 10 other world class organizations in a Wiki resource of all known technology.

Handbook Committee is responsible for maintaining Society archives and records. Steve Comstock will be helping the committee in this endeavor. The committee also supports chapter and regional historians.

Please consider these accomplishments when approving the budget later today.

David Underwood, Presidential Member – Society is no longer giving recognition to significant others in ASHRAE. This will impact attendance and membership.

Hywel Davies, Retired CIBSE Staff – Have retired from CIBSE but remain committed to serving RAC. Want to thank ASHRAE for the things Society has been able to do for the last 20 years. Not sure if he will attend another ASHRAE meeting and if this is his last, he wanted to say ‘thank you’ for the opportunities and friendships.

Wished Society well and expressed that he will continue to be a member for some time.

Trent Hunt – Finance Committee will be presenting the budget at this meeting, and it will be proposed to cut the BEQ portal and all funding for BEQ. There has been a lot that has happened the last few years; recently, GBI adopted BEQ as a pathway and a joint webinar was organized in Spanish and English. BEQ has also been working with ASHE to incorporate BEQ into the ASHE energy evaluation they are using in hospitals. Encourage a spirited conversation before BEQ is cut.

Email from Niss Feiner (Toronto Chapter) was read by Art Giesler – My esteemed colleagues and friends on the Board, I’d like to thank you as always for allowing me to address you with my concerns. I regret I cannot be with you in person as I usually am, and I’d like to thank whoever is reading this on my behalf.

I address you today with regards to the uncertain future of ASHRAE’s Historical Committee. As past chair, and friend of the committee I have learned that in consideration of Society’s finances the committee is being reviewed for the value it brings to society as a whole and various options have been discussed changing the way the committee operates, with some even suggesting that the committee may be sunset.

During my time as chair my theme was always thinking about how our work supported ASHRAE’s mission, and that we not just document history for the sake of it. We should be taking an active role in supporting other committees in their work. What better way to inspire the next generation of engineers by showcasing the amazing work of the engineers who came before them? When we have difficult

public policy discussions about decarbonization and climate change, the committee is there to provide historical context about similar initiatives in the past.

Human beings are not very good at thinking beyond their own lifespans. People tend to look at the world around them and assume that is the way things have always been and are challenged to see a future that is different. History shows us that this is not the case. If the work of the Historical Committee is left only to be done at the regional or chapter level, Society loses that single avenue for historical information and context, and we will be worse off for it.

So, I urge you to not just maintain the status quo of the Historical Committee, but to each consider how it can be better leveraged. What information or perspective can the committee provide that Board, Councils, and other Committees to aid their efforts? History is a powerful teacher, but it needs willing and engaged students.

Thank you as always for your time.

Dennis Knight read a statement from Victor Goldschmidt – Mr. Goldschmidt has addressed the BOD for years regarding a vision statement. He encouraged the BOD to continue to focus and stay the course on creating a healthy and sustainable environment for all.

REPORT OF THE TREASURER

FY23-24 FINANCIAL STATUS AND FY24-25 BUDGET PRESENTATION

Mr. McQuade presented on behalf of the Finance Committee. The report was attached to the agenda and shown on screen.

He reviewed the proposed expense reductions and revenue opportunities.

Ms. Scoggins advised that if the BOD approved the budget as presented, they would also be approving all of the proposed expense reductions as well. She opened the floor for discussion and advised that this was the BOD's opportunity to remove recommended items for consideration.

Mr. Wright (Buzz) moved and Mr. Gagnon seconded that

2. Line item 12 – *Shift Historical Committee to virtual meetings only; investigate the possibility of moving this committee reporting to the Communications Committee/Members Council* – be removed from the list of proposed expense reductions in the 2024-25 Society budget.

A summary of discussion on the motion is below:

Think there is value to the Historical Committee. The Committee brings member value in the form of inspiration; that inspiration brings motivation and drives the work of ASHRAE.

This recommendation has not been discussed by Pub and Ed Council or Handbook Committee. Suggest that it would be best to leave those funds in the budget and allow time for discussion.

Emphasize that the only thing that is changing is travel reimbursement to and from the conferences. The committee is not being disbanded; instead, the recommended change allows for greater participation by regional members and others.

See the motivation for this given the lack of participation and attendance. Want to avoid creating frustration with the Historical Committee. View the committee as a strong asset to Society moving forward.

Mr. McQuade confirmed that the only change proposed is to travel reimbursement. Currently, not all committee members are reimbursed to attend the conferences.

MOTION 2 PASSED (18:12:0, CNV).

Mr. Gagnon moved and Mr. Constantinide seconded that

3. \$19,000 be allocated for the DEI Subcommittee budget for the 2024-25 Society Budget.

A summary of discussion on the motion is below:

Approving this budget would result in a budget reduction of \$38,000.

In favor of the motion. Feel that the DEI Subcommittee did an amazing job this year in developing resources with the current funds allocated. Don't see a need for increased spending in the upcoming Society Year.

In favor of the motion. Now that there are regional diversity chairs the grassroots can help disseminate and create resources.

In favor of the motion. What would the proposed motion mean for the subcommittee?

Mr. Khankari, outgoing DEI Subcommittee Chair, spoke against the motion. He advised that the additional budget would fund new training, books, and new activities. The original proposed budget is keeping the budget from the current Society Year; \$19,000 is the unused portion of the budget that would roll over into the next Society Year.

He expressed his opinion that approving the motion would tie the subcommittee's hands and prohibit the group from doing any activity that requires money. The \$19,000 budget is already accounted for and already committed for additional training; that portion of the budget is being carried over because there was not time to complete the training in the current Society Year.

MOTION 3 PASSED (21:7:2, CNV).

Mr. Austin requested that line item 13 – *Replace ASHRAE Global Training Center (Dubai) with on-line or Chapter-sponsored in-person courses* – be removed for discussion only. A summary of that discussion is below:

It was suggested that line item 13 was directing what should happen with the \$19,000 expense reduction. Suggest removing the \$19,000 from the budget. A further discussion is needed regarding the actual program which has been rebranded AGT and is a much more robust program that isn't tied to the office in Dubai. There should be a program to provide global training to the southern hemisphere and there should be a business plan developed.

What is the reasoning behind this proposed budget cut?

Mr. McQuade reported that Society's revenue from the Global Training Center did not exceed the cost of that office. He reported that trainings can be achieved without having a physical office. The Finance Committee was not aware of the global south component.

Mr. Owen reported that this is a program that doesn't have a physical presence other than an office and an employee. Spaces are rented as they are needed. The proposed budget represents a tactical change from business operation to conduct more virtual events because the cost of having physical events is higher; there is a better margin on virtual events.

The reduction would result in fewer in-person training courses.

We serve the members, and we should really evaluate and look at the programs that serve the members.

The proposed reduction would not eliminate the Dubai office or staff.

If there are in-person courses that demand that space be rented, what is being done to achieve the \$19,000 reduction?

Mr. Owen reported that meeting space will be rented on a case-by-case basis; sometimes the registrations do not justify that expenditure. The proposed reduction is meant to decrease expenses and make this a program with positive margins.

Registration subsidies were suggested.

What if we were to consider in-person training, perhaps in a location that is more affordable? Would we be able to do that?

Mr. Owen reported that those programs will still be conducted, and other options will be investigated.

Mr. Austin moved and Mr. Rakheja seconded that

4. Line 13 from the list of proposed expense reductions in the 2024-25 Society budget be edited as shown below:

~~Reduce the Replace ASHRAE Global Training Center (Dubai) budget by \$19,000. with on-line or Chapter-sponsored in-person courses.~~

MOTION 4 PASSED (27:1:2, CNV).

Mr. Constantinide moved and it was seconded that

5. Line item 14 – *Sunset Building EQ* – be removed from the list of proposed expense reductions in the 2024-25 Society budget.

A summary of discussion on the motion is below:

BEQ has a potential partnership with Loughborough University that would create long-term savings; contracts for the partnership are still in the works. Having funding would help create this bridge to the next step.

There would still be a net positive even if the motion is approved.

Spoke against the motion. Feel these funds could be better used elsewhere.

The BEQ portal was designed as a member benefit. If the expense reduction is approved, the portal would be turned off with no transition period for users.

The BEQ portal focuses on operations, not just construction. This is the one program that Society has that was created for building owners and operators. The portal has a level one energy audit embedded in it. The BEQ portal is Society's opportunity to show that we care about how the built environment operates and that Society will provide tools to help people make better decisions.

Have heard great things about the tool itself and other organizations are using the tool and finding ways to monetize it. Society, however, has been unable to find a way to monetize it after more than a decade. If something provides member benefit, it should provide benefit to the majority of our members. Get the sense that the portal provides value to other organizations and Society is footing the bill.

If the portal were eliminated, would there be a period of time that it would still be active?

Ms. Reiniche reported that there may be some leeway to allow access to the portal past July 1st.

How many new users have there been in the past year?

Mr. Cochrane reported that there were 2,175 total users, 1,522 total projects, and 82 approved projects. Joint webinars with GBI in April and May highlighted the portal. According to the India Green Building Council, 13 new users were added since May.

Have there been any deadlines or metrics set in the past? Suggest that sunseting BEQ and the portal warrants further discussion outside of this meeting.

Undecided on the motion. Have used the program and seen how it can work. Also experienced losing the argument with owners and operators regarding use of the tool. If this motion passes, how will the BOD direct BEQ differently? Considering the length of time that it has been available, doesn't seem to be a benefit to all members.

Mr. Constantinide reported that Loughborough University was willing to take financial responsibility of maintaining and operating the platform as is. If Society wanted to update the platform that would require additional negotiations. The timeline for a final decision is within the next Society Year.

Ms. Eftekhari reported that a decision from the university was expected by September.

MOTION 5 PASSED (19:9:1, CNV).

FINANCE COMMITTEE REPORT AND FY24-25 BUDGET APPROVAL

Mr. McQuade reported that with the recently approved motions, the proposed budget for the upcoming Society Year would have a surplus of \$9,000. The full report was attached to the agenda.

On behalf of himself and the Finance Committee, Mr. McQuade thanked staff for their input. He reported that a lot of the ideas came from staff and he expressed appreciation for their work and willingness to have the tough conversations. He expressed his opinion that it is the BOD's fiduciary duty to operate within Society's means and this group is doing that.

Mr. McQuade moved that

6. The Finance Committee recommends to the Board of Directors that the 2024-25 draft budget for the Research Fund showing total revenues and expenses of \$3,928,000 be approved.

Mr. McQuade read the background of the motion and it was shown on screen.

MOTION 6 PASSED (Via Unanimous Vote, CNV).

Mr. McQuade moved that

7. The Finance Committee recommends to the Board of Directors that they approve a discretionary capital expenditure budget of \$200,000 for fiscal year 2024-25.

Mr. McQuade reported that the proposed budget is the historical amount that has been given to staff to pay for capital items such as computers and servers.

MOTION 7 PASSED (Via Unanimous Vote, CNV).

Mr. McQuade moved that

8. Finance Committee recommends to the Board of Directors (BOD) to reallocate the capital expenditure budget previously allocated for the Functional Group Evaluation and Activity project that was previously approved for \$125,000 (SY22-23) as a capital expenditure and allocate an additional capital expenditure amount of \$28,125 from the General Reserve Fund.

Mr. McQuade reported that two TAC activities that were funded in Society Year 2022-23 have stalled and staff expressed that the work could be moved in house. Technology Staff is of the opinion that the \$125,000 approved for this activity can be moved to complete the Research Automation Project and that internal IT staff can develop a mechanism that will work for tracking the evaluation and activity forms for the Functional Groups.

MOTION 8 PASSED (Via Unanimous Vote, CNV).

Mr. McQuade moved that

9. Finance Committee recommends to the Board of Directors (BOD) that Society create an additional reserve investment fund labeled the "Future Fund" and approve a General and Research Reserve Future Fund Investment Policy (ATTACHMENT B).

Mr. McQuade reported that the Finance Committee wanted to find a better way to use funds that exceeded the 2/3 guidelines for reserves currently in the Finance Reference Manual. The Future Fund could be a vehicle for endowments that would help to offset operating expenses.

It was asked if there was a dollar amount for how much would be invested into the fund. Mr. McQuade responded that the fund and investment strategy would need to be developed first. Once that is

established, Finance Committee will provide recommendations to the BOD on how much would be invested. The motion did not include a dollar amount because investments will change.

MOTION 9 PASSED (Via Unanimous Vote, CNV).

Mr. McQuade moved that

10. Finance Committee recommends to the Board of Directors that the 2024-25 draft budget for the General Fund, inclusive of council budgets, showing revenues of \$28,449,800 and expenses of \$28,440,800 be approved. (ATTACHMENT C)

Mr. Khankari thanked the Finance Committee for their work and asked if funding for the K&L Gates initiative was included. Mr. McQuade reported that the K&L Gates initiative was being funded out of reserves and the proposed motion concerns the operating budget.

MOTION 10 PASSED (29:0:1, CNV). Mr. Smith abstained from the vote. He stated that the BOD spent a great deal of time on items that consist of less than 1% of the total budget. He expressed his opinion that if the Society has too much of surplus there is risk of donors not supporting Society financially because of that surplus.

PROPOSED MOTIONS

Mr. Wright (Buzz) reported that the proposed motions were coming from him and not Region X.

Mr. Wright (Buzz) moved and Mr. Sanders seconded that

11. Effective July 1, 2024, transportation costs for Chapter Treasurers to attend their Region's CRC be covered by Society.

Mr. Wright (Buzz) expressed his opinion that a CRC attendee is a great way of energizing volunteers and increasing attendance and participation. He stated that the Chapter Treasurer position is very important and there have been issues with Treasurers making mistakes because they did not receive proper training.

The floor was opened for discussion. A summary of that discussion is below:

There have been both chapter and regional issues like fraud and improper filings that impact Society and members as a whole. He expressed his opinion that issues like that could have been prevented if there were more organized training for Treasurers.

Worthwhile investment to ensure that regions and chapters are following proper protocols.

This is a motion that can be sent to Members Council and debated there.

Mr. Wright (Buzz) reported that similar motions have come up from the CRCs multiple times and they have always been defeated each time based on recommendations from Finance Committee of a balanced budget. Bringing this motion to the BOD because it is his personal motion, and he does not sit on Members Council.

In favor of the motion. Without this training, the chapters will be hurt the most. Suggest that the BOD approve the motion to keep the chapters healthy.

Do not think that cost is the reason members are not attending training.

Speaking against the motion. Like the thought of the training but feel that a lot of the training could be done virtually. The BOD just eliminated \$11,000 in expenses and this motion would be an additional \$80,000. There are other positions that are not reimbursed to attend the CRC that could also be benefited. Suggest looking for other ways to get members engaged.

Agree that there needs to be improved training for the Treasurers. A co-MBO with Finance and Members Council has been discussed in the past because there is agreement that Treasurer training needs to be approved, however, think that is a separate issue from reimbursing transportation to the CRC. There are other ways to handle this training.

If a member is in a region where travel via car is possible, cost is not the issue; if travel requires flights, then cost can be an issue. The goal of CRCs is to have members attend so they can be energized and motivated and then go back to their local chapter and share that energy and motivation; feel that Treasurers attending could accomplish that.

Going to a CRC is one of the best things you could do for a chapter member. Treasurer training at CRCs could have a financial net positive when considering the cost of not training Treasurers.

Mr. Wright (Buzz) clarified that the intent was to only reimburse Treasurers who attend the treasurer workshop. They would not be reimbursed if there is no treasurer workshop held at the CRC.

MOTION 11 FAILED (13:14:2, CNV).

Mr. Wright (Buzz) moved that

- 12.** Effective July 1, 2025, or sooner if possible, entering PAOE points for items that are currently restricted to be entered only by Regional Leaders be changed so that both Regional Leaders and the Chapter Committee Chairs can enter the points.

Mr. Wright (Buzz) reported that 80-90% of the current system relies on the honor system which often leads to over crediting, or no points being entered.

Mr. Marks spoke in favor of the motion. He stated that as a past RVC, the proposed change would make it easier for RVCs.

MOTION 12 PASSED (24:0:4, CNV).

ASHRAE BRANDING

Ms. Scoggins reported that there were discussions of the 'ASHRAE' acronym at the Chapter Leadership Academy. She shared the proposal – Allied Society for Heated, Refrigerated, and Air-Conditioned Environments – that was also attached to the agenda and shown on screen.

The floor was opened for discussion. A summary of that discussion is below:

My knee jerk response is I like it.

Adds even more confusion.

Think the proposal clarifies a lot; always get asked what ASHRAE stands for.

More in alignment with who we are.

In favor of the proposal but would prefer that 'International' be included.

Would prefer that the 'E' be a reference to people and not spaces.

Like that the proposal doesn't have a country focus.

If this change is made, suggest changing Society's legal name to match the DBA.

There was a lot of enthusiasm at this Leadership Academy. Also had several young members at Spring CRCs express that Society's name should be on building science and not a commitment to the word engineer.

Shouldn't limit ourselves to only indoor comfort.

Ms. Scoggins stated that the majority of feedback was positive. She recommended that staff look into the ramifications for changing Society's DBA.

Staff will investigate the possibility of rebranding what ASHRAE stands for.

AI - 3

POSTPONED MOTION – JANUARY 21, 2024

The postponed motion from the January 21, 2024 BOD meeting was brought back to the floor.

- 13.** That the ASHRAE MOU template be revised to align with the new AASA 'Collaboration Agreement and Membership Requirements' document.

Mr. Wentz reported that the motion was originally brought before the BOD in Chicago and was postponed at that time. He reported that the BOD previously decided that Society would not enter into MOUs with AASA members. As a result of that decision, then President Mehboob formed the Policies for Collaboration Ad Hoc and assigned that group an action item to restructure or create a new template for MOUs with organizations outside of AASA.

He reported that the Policies for Collaboration Ad Hoc also developed a collaboration agreement for AASA members. It was decided that the MOU template and the new AASA collaboration agreement should be in alignment.

Mr. Wentz reported that AASA reached consensus on the new collaboration agreement and the document being presented is in alignment with the collaboration agreement with AASA.

It was asked if the proposed document would be applicable for joint programs with Society and joint programs with Chapters. Mr. Wentz reported that the agreement would be applicable in either situation. He advised that the intention was that the proposed document would cover MOUs at both the Society and Chapter levels.

Ms. Scoggins added that the template, if approved, would be used for non-AASA organizations and would be edited as needed.

MOTION 13 PASSED (27:0:0, CNV).

PRESIDENTIAL AD HOC COMMITTEE AND TASK GROUP REPORTS**TASK FORCE FOR BUILDING DECARBONIZATION EXCOM**

Mr. Peterson reported on behalf of the group. The full report was attached to the agenda.

He reported that the TFBD was continuing to seek alignment with all projects that deal with carbon or decarbonization.

He reported that the group was currently under budget and had not used any of the \$300,000 contingency that was budgeted. However, some of the contingency would be used for the new support staff.

He thanked and applauded the BOD, staff and volunteers that have worked diligently to support Society's decarbonization activities. He shared his excitement at how prevalent the topic of decarbonization currently is.

It was moved and seconded that

- 14.** The TFBD recommends to the Board of Directors that the Rules of the Board Section 1.201.007 be revised as shown below:

1.201.007 ~~(not used)~~ ASHRAE Policy on Standards and Guidelines that Address Global Warming Potential (GWP) Metrics. ASHRAE standards and guidelines that address GWP in their text shall harmonize and align its GWP metrics as established in international standards and agreements. The 100-year GWP is most commonly used in international reporting and agreements, including under the United Nations Framework Convention on Climate Change (UNFCCC) and the Kyoto Protocol, UNEP, UNDP, ISO, and The Greenhouse Gas Protocol. The GWP values in ASHRAE standards and guidelines shall be based on 100-year timeline values. While ASHRAE standards and guidelines shall be based on 100-year timelines by default, they should be flexible enough to allow alternative GWP metrics, such as GWP-20, when individual jurisdictions require their use.

Mr. Conlan moved and Ms. Hanson seconded that

- 15.** MOTION 14 be amended as shown below:

1.201.007 ~~(not used)~~ ASHRAE Policy on Standards and Guidelines that Address Global Warming Potential (GWP) Metrics. ASHRAE standards and guidelines that address GWP in their text shall harmonize and align its GWP metrics as established in international standards and agreements. The 100-year GWP is most commonly used in international reporting and agreements, including under the United Nations Framework Convention on Climate Change (UNFCCC) and the Kyoto Protocol, UNEP, UNDP, ISO, and The Greenhouse Gas Protocol. The GWP values in ASHRAE standards and guidelines shall be based on 100-year timeline values. While ASHRAE standards and guidelines shall be based on 100-year timelines by default, they should be flexible enough to allow

alternative GWP metrics, such as GWP-20, when individual jurisdictions require their use.

Mr. Conlan reported that the proposed amendment did not change the intent of the original motion. He reported that the only time alternative GWP metrics could be used is when required by code.

Mr. Peterson stated that he did not have an objection to the proposed amendment. He reported that the amendment may make the policy easier to implement with project committees.

MOTION 15 PASSED (Unanimous Voice Vote, CNV).

Discussion of amended motion 14 resumed.

Mr. Peterson reported that the intent of the motion was to standardize reporting. He stated that some project committees are beginning to use GWP20 values while whole life carbon uses GWP100. He stated that there was consensus by the TFBD that Society should harmonize, and the standard should be GWP100.

AMENDED MOTION 14 PASSED (Unanimous Voice Vote, CNV).

POLICIES FOR COLLABORATION AD HOC

Ms. Scoggins moved that

16. The Policies for Collaboration Ad Hoc recommends that the ASHRAE Associate Society Alliance (AASA) 'Collaboration Agreement and Membership Requirements,' included in ATTACHMENT D, Parts I and II, be approved.

Mr. Wentz reported that the proposed agreement was born out of the decision by the BOD to not enter into MOUs with AASA members. The Collaboration Ad Hoc felt strongly that there still needed to be a formal relationship and agreement between AASA members and Society. He reported that the proposed agreement was based on rights and responsibilities of AASA members and Society and how business is to be conducted between Society and AASA. He added that the proposed agreement follows Society's code of ethics and the ROB, particularly in terms of conflicts of interest.

He reported that, previously, if an organization wanted to join AASA three separate forms were required. The proposed agreement combines those three forms into a single form. The ad hoc felt that the proposed agreement was simpler and eliminated redundancy.

Ms. Scoggins stated that the proposed agreement dictates what AASA members can do but Society does not have authority over AASA members.

Mr. Wentz responded that there is language that allows for the dissolution of the relationship between AASA and Society.

MOTION 16 PASSED (25:0:3, CNV).

Ms. Scoggins moved that

17. The Policies for Collaboration Ad Hoc recommends that Rules of the Board (ROB) section 3.300.006 be revised as shown below:

In appointing and electing members to the Board of Directors, standing committees and councils of the Society, the nominating committee, the President, the Board of ~~Directors~~ Directors, and ~~the Board any~~ subcommittees ~~for nominating that nominate for Society positions~~ shall make every reasonable effort to avoid any and all situations in which there could exist a conflict of interest, including the gain of proprietary advantage, or the appearance or implication thereof. Slates of nominees should strive for a balance of all interests (such as employer, ASHRAE region, industry, and technology). ROB 1.140.002, ASHRAE's Conflict of Interest Policy applies to all such nominations and appointments.

The floor was opened for discussion of the motion.

Mr. Giesler spoke against the motion. He said the motion didn't previously apply to the BOD but, if approved, it would.

Mr. Schwedler, chair of the Nominating Committee, stated that this was the first time he was seeing the proposed changes. He stated that the changes seem to require that no one could have a real or perceived conflict of interest. He stated his opinion that it would be extremely hard to find members that meet that requirement.

Mr. Peach stated that the proposed changes seem to require balance on the BOD as it relates to employer, region, industry, and technology.

Mr. Littleton stated that he would be more comfortable getting input from the Nominating Committee before a final decision is made.

MOTION 17 FAILED (0:28:0, CNV).

Ms. Scoggins moved that

18. The Policies for Collaboration Ad Hoc recommend that the Rules of the Board (ROB) section 2.104 be revised as shown below:

2.104.021.1

The net display area shall not exceed 10,000 square feet [929 square meters] or 100 exhibitors, whichever is less. feet;

~~2.104.021.2~~

~~Individual display areas shall not exceed 100 square feet;~~

~~2.104.021.3~~

~~No organizations shall have more than two (2) display areas;~~

...

2.104.021.8

Chapters may not sponsor, co-sponsor, conduct, manage or operate exhibits or expositions during any meeting sponsored by Society or during any AHR show in the United States or Mexico.

2.104.021.9

ASHRAE Chapters cannot sponsor or endorse per IEC agreement an exposition run by another organization without the written permission from ASHRAE's partners with the AHR Expo.

2.104.021.10

Requests of exceptions to these restrictions to conduct, manage, operate, sponsor, and/or endorse an exposition may be sent, in writing, to the Director of Member Services for approval by ASHRAE's partners with the AHR Expo.

Mr. Wentz reported that the ad hoc found that the ROB was more stringent than the IEC contract and the group felt the ROB should be more in alignment with the contract. Specifically, the proposed changes removed language that is not in the contract and adds language that is.

Ms. Schopplein asked if proposed ROB 2.104.021.9 includes co-sponsoring? Mr. Wentz responded that it does include co-sponsorship; he added that the proposed language was in the IEC contract.

Mr. Sanders asked if proposed ROB 2.104.021.8 would require that the host chapter of the AHR Mexico couldn't manage the ASHRAE booth. Mr. Wentz responded that the intent was not to exclude the host committee booth. Instead, the goal was to ensure that there was no competition with ASHRAE or AHR.

Ms. Hanson asked if the proposed changes were in response to something or if they are proactive changes. Mr. Wentz responded that several complaints were received from chapters outside of North America related to the current ROB wording that it is too restrictive. These chapters have expressed that the ROB, as currently written, limits their ability to raise money for the regions and chapters.

MOTION 18 PASSED (27:0:1, CNV).

ASHRAE AT INTERNATIONAL CONFERENCES AD HOC

Mr. Sepulveda reported on behalf of the ad hoc. The full report was attached to the agenda.

He reported that the ad hoc concluded that Society should organize international conferences.

ASHRAE HQ AD HOC

Mr. Wentz reported on behalf of the ad hoc. The full report was attached to the agenda.

He reported that the HQ building has been a great success. This year, the building's rating is better than net zero.

ASHRAE'S CARBON FOOTPRINT: MEASUREMENT & RECOMMENDATIONS FOR REDUCTION

Mr. McQuade reported that the group had nothing to report at this time.

CHAPTER & REGION CARBON GUIDANCE AD HOC

Mr. Ellis thanked the team for their work. The guide was included in the full report and was attached to the agenda.

DOE SCHOOLS PILOT PROJECT – LEADERSHIP TEAMS

The full report was attached to the agenda for the BOD's review. Mr. Constantinide stated that he had nothing else to add at the time.

STRATEGIC SUCCESSION PLANNING AD HOC

Mr. Schwedler reported on behalf of the ad hoc. The full report was attached to the agenda.

He thanked the ad hoc for their work. He reported that the report references a report from 2021 which has a lot of excellent information. From a strategic standpoint, the Executive Vice President will work with staff to make current job descriptions more strategic.

He reported that the ad hoc completed its work and the group was disbanded.

COMMITTEE REPORTS**EXECUTIVE COMMITTEE – JUNE 22, 2024**

Ms. Scoggins moved that

19. ExCom recommends to the Board of Directors that the Public Policy Priorities, as shown in ATTACHMENT E, for Society Year 2024-25 be approved.

Ms. Scoggins reported that the proposed PPPs were approved by GAC and ExCom.

MOTION 19 PASSED (Unanimous Voice Vote, CNV).

Ms. Scoggins moved that

20. ExCom recommends to the BOD that Society enter into an MOU with Women in HVAC&R.

MOTION 20 PASSED (Unanimous Voice Vote, CNV).

Ms. Scoggins moved that

21. ExCom recommends to the BOD that Society enter into an MOU with Water Filtration Institute (WFI).

MOTION 21 PASSED (Unanimous Voice Vote, CNV).

Ms. Scoggins reviewed action items included in the report.

PLANNING COMMITTEE

Ms. Kunkel reported on behalf of the committee. The full report was attached to the agenda.

She thanked the committee for their great work. She thanked the BOD for their support as well as their attendance and participation in the recent Planning Committee meeting. Feedback from the BOD was collected and will be incorporated into the final strategic plan. She reported that the strategic plan would be finalized by the end of 2024 and presented to the BOD for final review and approval.

It was reported that this was the first time that an active YEA member chaired the Society Planning Committee.

NOMINATING COMMITTEE

Mr. Schwedler reported on behalf of the committee. The full report was attached to the agenda.

Ms. Scoggins moved and Mr. Cochrane seconded that

- 22.** The Nominating Committee recommends the following changes to the Society Bylaws, Section 7.6, as shown below:

... No member of the Board of Directors shall be eligible to serve on the Nominating Committee. Additionally, the Region Members Council Representative or Director and Regional Chair Alternates shall not be eligible to serve on this committee.

Mr. Schwedler reported that initially the Nominating Committee Rules Subcommittee did not feel there was a conflict with RMCRs serving on the committee. However, the subcommittee reached out to SRC and worked with them to develop this recommendation.

He reported that there was one abstention but no negative votes from the Nominating Committee.

MOTION 22 PASSED (30:0:0, CNV).

Mr. Schwedler thanked Mark Fly and Spencer Morasch for helping to bring this recommendation forward.

AUDIT COMMITTEE

Ms. Jensen reported on behalf of the committee. She reported that the committee had no recommendations for the BOD's consideration.

She reported that information items were included in the report for the BOD's review. The full report was attached to the agenda.

BOD SUBCOMMITTEE REPORTS

DEI ADVISORY

Mr. Khankari thanked subcommittee members and staff for their support. The full report was attached to the agenda.

He reported that new DEI training videos were available. DEI stickers were also available at registration for this conference.

He stated that Society needed a consistent DEI message. He recommended that Society develop a precise and concise DEI message. He expressed that training ASHRAE leaders on unconscious bias was of the utmost importance. He reported that there are different DEI challenges on a global level. He suggested that the DEI Subcommittee be more strategic.

OLD BUSINESS**FUTURE OF THE ANNUAL/WINTER MEETINGS**

Mr. Littleton reported that the BOD spent some time discussing the future of the Winter and Annual Conferences when it looked as though the Winter Conference was going to need to be in early March every year. He reported that it is now known that the March dates will only be necessary every third year.

He stated that this change is still a great opportunity to rethink the business models for the Winter and Annual Conferences and to continue to look at ways to take Society's conferences to the next level.

Moving forward, staff will work with CEC to develop recommendations for changes to Society's conferences.

REPORT OF THE PRESIDENT

Ms. Scoggins reported that a summary of her travel as Society President was attached to the agenda. An updated report is included in ATTACHMENT F.

RECOGNITION OF OUTGOING CHAIRS

Outgoing chairs were recognized and thanked for their service.

RECOGNITION AND REMARKS FROM OUTGOING BOD MEMBERS

Outgoing Directors and Vice Presidents were recognized and thanked for their service. They also had the opportunity to express their thanks and sentiments to the BOD and Society.

President Scoggins was recognized for her service and addressed the BOD.

EXECUTIVE SESSION

Executive session was called at 5:19 pm.

Open session reconvened at 5:36 pm.

ADJOURNMENT

The meeting adjourned at 5:37 pm.

Jeff Littleton

Jeff H. Littleton, Secretary

ATTACHMENTS:

- A. Organizations in the Global South for Possible MOUs
- B. Research Reserve Future Fund Investment Policy
- C. General Fund FY24-25 Budget
- D. AASA Collaboration Agreement and Membership Requirements
- E. Public Policy Priorities for SY2024-25
- F. Updated Report of the President

Investigate Organizations in the Global South that ASHRAE should Proactively Enter into MOUs with

What is GLocal South?

[Global South](#) broadly comprises Africa, [Latin America and the Caribbean](#), Asia (excluding [Israel](#), [Japan](#), and [South Korea](#)), and [Oceania](#) (excluding [Australia](#) and [New Zealand](#)). The Global South is home to over 6 billion people. (See Figure 1)

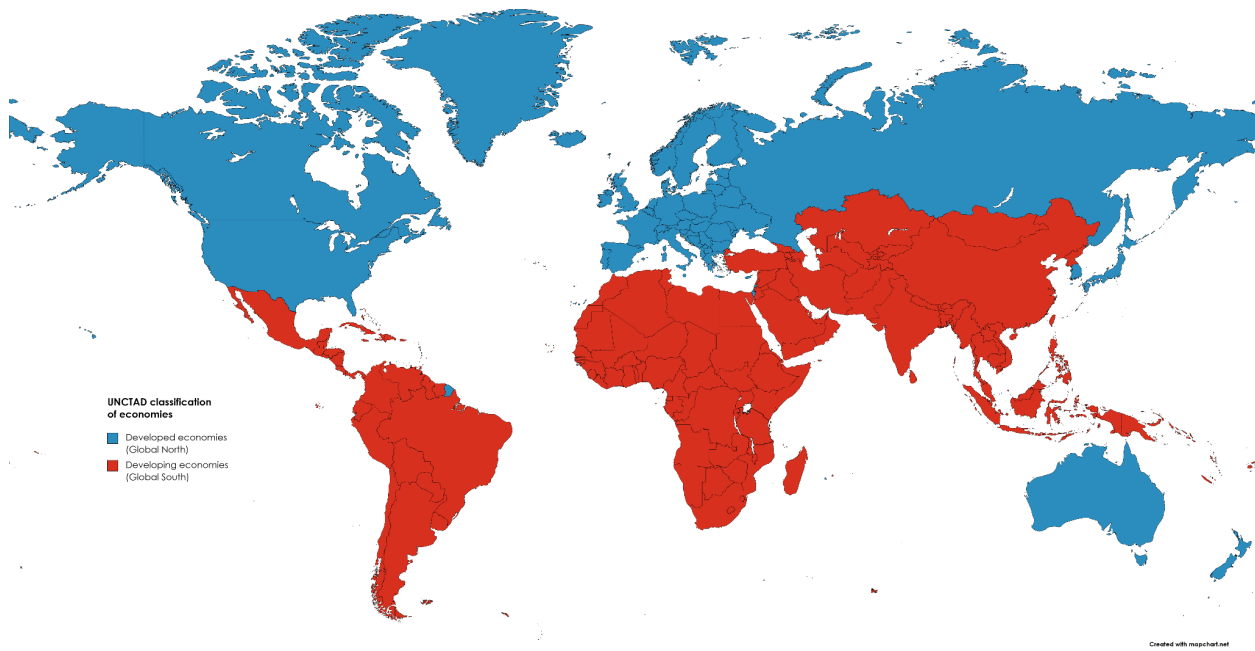


Figure 1. Global South Countries

In terms of global future building floor area additions to 2060 (see Figure 2), while the global north is still seeing steady growth, it will be relatively slower by 2030 compared to global south. The global south is anticipated to see accelerated growth to 2040, and some countries, especially the ones in Africa and India, are anticipated to see significant growth from 2040 to 2060.

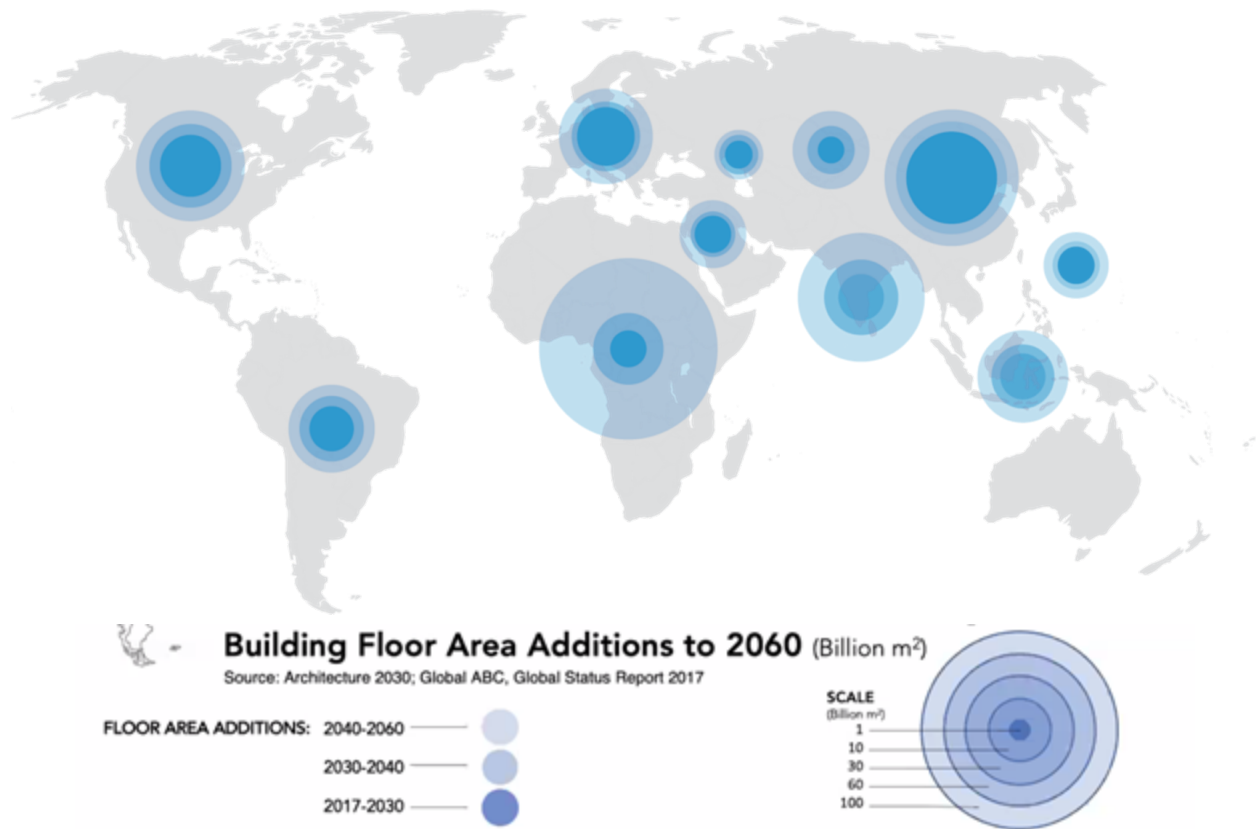


Figure 2. Global South Growth
 Credit: [Architecture 2030](#)

In terms of air conditioning, especially units stock, there will be significant global growth by 2050, almost 2.5 times compared to 2024 because of the building floor area additions, climate change, and also shifting of the focus from heating, in the global north. to cooling in the global south. China and India are the obvious growth targets, Indonesia, Mexico, Brazil, Middle East, and Africa will be also seeing significant growth (see Figure 3).

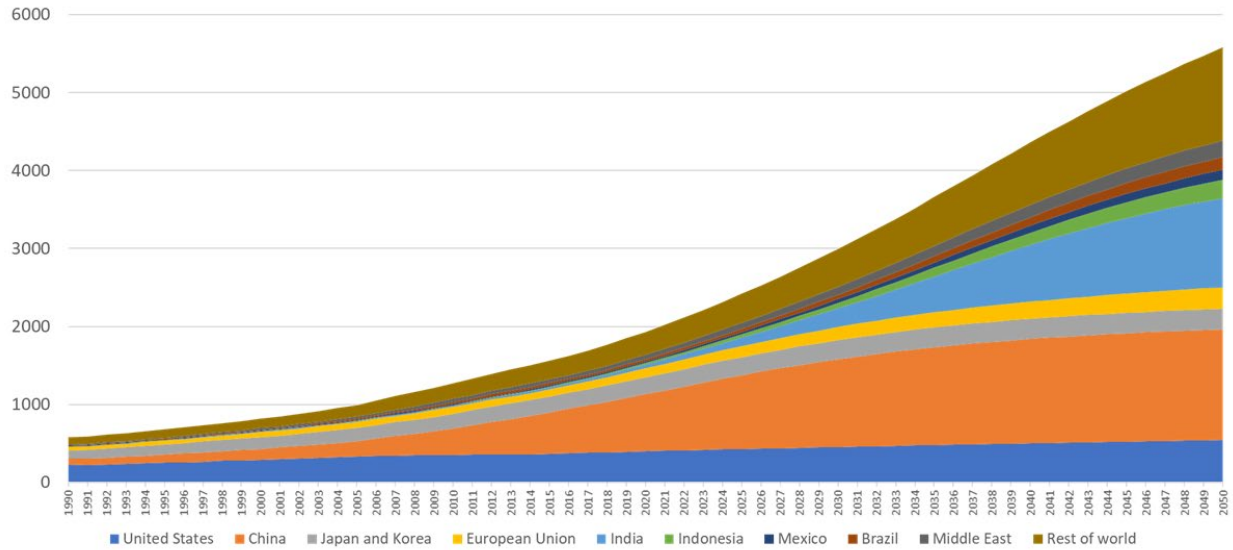


Figure 3. Global Growth in Air Conditioning Stock

Credit: IEA

Base on the above information regarding HVAC growth stock and population (see Fig, the following countries are identified as good opportunities to develop MOUs with in 2024-2025:

- India
- China
- Taiwan
- Indonesia
- Pakistan
- Nigeria
- Brazil
- Mexico

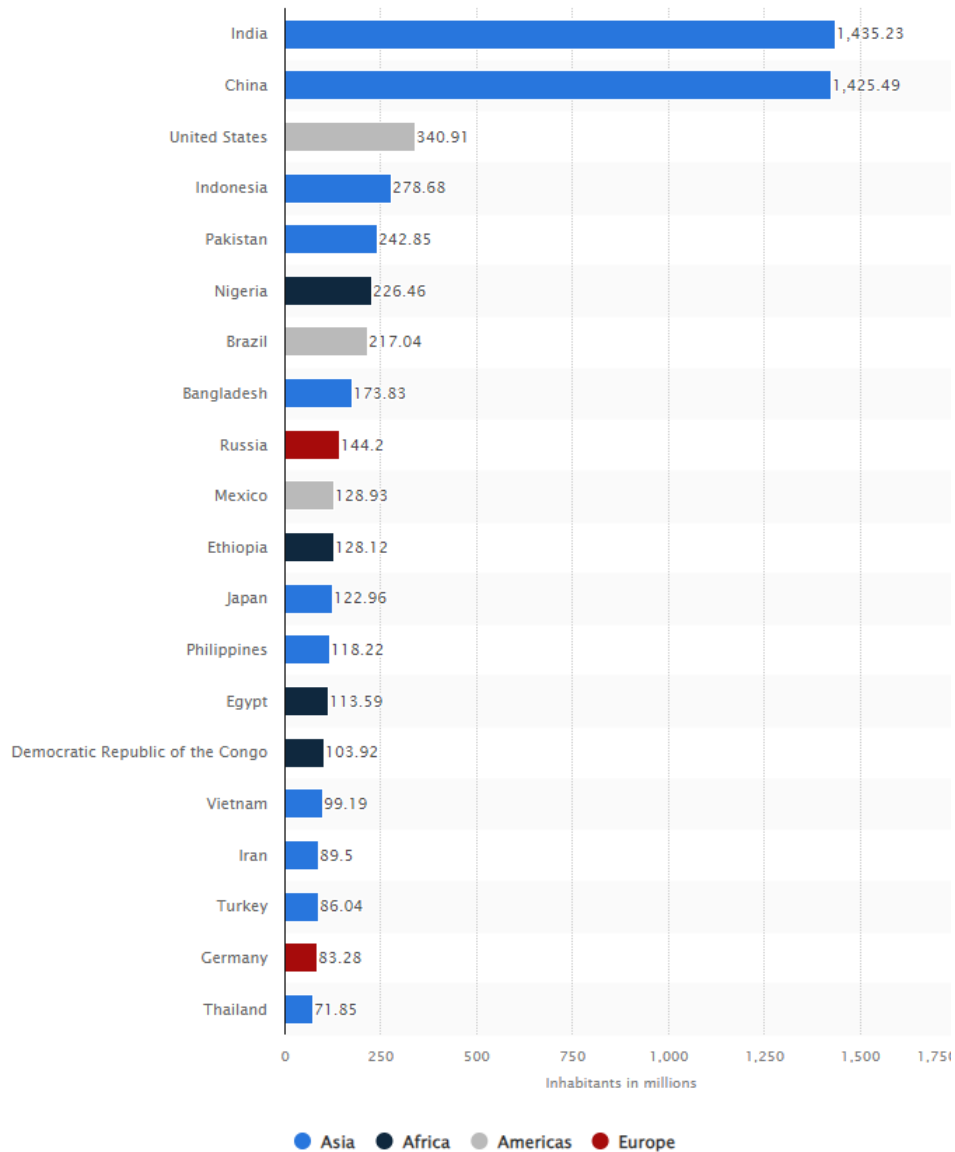


Figure 4. Top 20 Countries with the Most Population in 2024
Credit: Statista

***Organizations with Bolded text are preferred organizations for consideration in the next round.**

List of Potential Technical/Govt Organization in Developing Economies for MoU with ASHRAE					
NO.	*ORGANIZATION NAME	EMAIL ADDRESS	LOCATION	CONTACT	CLASSIFICATION

A AFRICA					
1	Environmental Protection Agency	cmo@epa.gov.gh	Ministries, Accra	0501301535/ 0501301518	Regulatory / certification
2	Ghana Institution of Engineers	cmo@epa.gov.gh	Ministries, Accra	0501301535/ 0501301518	Regulatory / certification
3	Public Utilities Regulatory Commission	info@purc.com.gh	Liberation Road, Accra	0302240046	Regulatory/Energy
4	Energy Commission	info@energycom.gov.gh	Ghana Airways Ave., Accra	0302813756	Regulatory/Energy
5	Ghana Standards Board Authority	gsanep@gsa.gov.gh	Gulf.St., Accra	0302500066	Regulatory/certification
6	Ghana Institute of Architects	secretariat@ghie.org.gh	Roman Ridge, Accra	0302760867	Professional Body
7	EDGE Ghana	admin@gia.com.gh	Accra	0303966841	Professional Body
8	Green Building Council	kofosu@worldbank.org.com	Accra	0302214142	EDGE certification (IFC)
9	KNUST	info@ghgbc.org	Spintex Road	0302817092	Best practices
10	Accra Technical University	fkemausuor.soeknust.edu.gh	Kumasi	0500099299	Educational Institution
11	Ashesi University	vc@atu.edu.gh	Barnes Rd., Accra	0332095371	Educational Institution
12	World Green Building Council – Africa Regional Network	https://worldgbc.org/africa/	Kenya		
13	Kenya Green Building Society	https://www.kgbs.co.ke/	Kenya		
B. ASIA					
1	Bureau of Energy Efficiency	sdiddi@beeindia.gov.in	New Delhi, India		Regulatory/Energy
2	Center for Tall Buildings & Urban Habitat		Mumbai, India		Professional Body
3	Alliance for Energy Efficient Economies (AEEE)	satish@aeee.in	New Delhi, India		Energy
4	International Finance Corporation (IFC)	asayyed@ifc.org	Mumbai, India		International / Finance
5	Council of Architects		New Delhi, India		Professional Body
6	Sustainable Energy Authority		Colombo, Sri		Regulatory/Energy

			Lanka		gy
7	Institute of Post Harvest Technology		Colombo, Sri Lanka		Regulatory/Refrigeration
8	Institute of Architects		Colombo, Sri Lanka		Professional Body
9	Green Building Council		Colombo, Sri Lanka		Certification
10	CCHVAC (China Committee of HVAC)		China		Professional Body
11	Green Building Council Indonesia		Indonesia		
C	Middle East				
1	Jordan Green Building Council		Jordan		Certification
2	Jordan Standards and Metrology Organization (JSMO)	info@ashesi.edu.gh	1 University Ave., Berekuso, E/R	0302610330	Educational Institution
3	Jordan Engineers Association (JEA)		Jordan		Regulatory/Engineering
4	Engineers training Center		Jordan		Regulatory/Engineering
5	Ministry of housing and public works		Jordan		Regulatory
6	Ministry of Energy and Mineral Resources		Jordan		Regulatory
7	Royal scientific society		Jordan		Regulatory
D	South America				
1	ABNT's Brazilian Committee #55		Brazil		
2	ABRAVA		Brazil		Professional Body
3	FAIAR, Federation of Latin American HVACR associations	https://faiar.net/			
4	Brazilian association of Refrigeration	https://abrava.com.br/	Brazil		
5	CONFEA (Brazilian federal engineers licensing)		Brazil		

	organization, MOU passed by BOD, work plan and MOU being considered by CONFEA still for passage)				
6	Chilean chamber of Refrigeration	https://www.cchryc.cl/	Chile		
7	National Standards Institute (INN, the Chilean counterpart to ANSI)		Chile		
8	Chamber of Refrigeration of Argentina	https://www.camararefrigeracion.com/	Argentina		
9	Colombian association of Air conditioning	https://acaire.org/	Columbia		
10	CROSC (Caribbean Community (CARICOM) standards organization for all Caribbean nations)				
11	Mexican Association of Refrigeration and Airconditioning distributors	https://www.andira.org.mx/	Mexico		
12	BOMA mexico	https://imei.org.mx/	Mexico		
13	Federación de Colegios de Ingenieros Mecánicos, Electricistas y Electrónicos de México (FECIME) - Federation of Colleges of Mechanical, Electrical, and Electronics Engineers of Mexico		Mexico		
14	Instituto Mexicano del Edificio Inteligente y Sustentable (IMEI) - Mexican Institute of Intelligent and Sustainable Buildings		Mexico		
15	AEE Latam - Association of Energy Engineers Latin America		Mexico		

16	Asociación Nacional de Fabricantes para la Industria de la Refrigeración en México (ANFIR) - National Association of Manufacturers for the Refrigeration Industry in Mexico		Mexico		
17	Unión Nacional de Constructores Electromecánicos (AEE) - National Union of Electromechanical Contractors		Mexico		

ASHRAE

**General Reserves
Research Reserves
Futures Fund
Investment Policy
Statement**

Adoption

This Investment Policy Statement (“IPS”) was adopted by the Board of Directors of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (“ASHRAE”) on January 30, 2022.

Introduction and Purpose of IPS

The Funds have been established to support and promote the mission, growth, and general welfare of ASHRAE.

The purpose of this IPS is to outline the following general provisions affecting the Funds by:

- Assisting the Finance Committee (“Committee”) and Board of Directors (“Board”) to fulfill their fiduciary responsibilities;
- Conveying the Funds’ purpose(s), investment objective(s), investment strategy(ies) and constraints;
- Establishing a decision-making framework to promote the effectiveness of the Funds;
- Setting forth the roles and responsibilities of the Board, Committee(s), Investment Advisor (“Advisor”) and other relevant parties.
- Intending for the Fund to be maintained in compliance with applicable laws, including the Uniform Prudent Management of Institutional Funds Act (UPMIFA) if applicable.

Statement of Objectives

The **primary** investment objective is to preserve the long-term purchasing power of the Funds’ assets after accounting for spending. This means that the Funds intend to seek, on average, a minimum total annual rate of return equal to inflation plus actual Fund spending over a perpetual investment time horizon. In order to have an opportunity to meet this **primary** objective, a long-term investment perspective is required when formulating investment strategy and evaluating spending levels. (For purposes of this IPS, a “long-term investment perspective” is defined as more than 10 years.)

Secondary investment objectives include prudently diversifying Fund assets in order to mitigate risk, maintaining sufficient liquidity to meet the obligations of the Fund, and achieving investment results over the long-term that compare favorably with appropriate market indexes.

Spending Policy

The Board has established rules associated with the distribution of funds and exhibition revenue. In general, funds shall be provided for the use of research within the society and can be seen as matching funds for RP. The board has the flexibility to utilize investment funds as per the ROB or operating revenues. The investment policy needs to provide the ability for use of the Reserve Fund as needed to meet the rules of the board.

The Board shall establish rules associated with the distribution of funds from the Futures Fund.

Reference the rules of the board as listed below:

Page 2 of

Commented [BF1]: This language should be customized to fit the intents and purposes of the ASHRAE Board.

2.102.002.7 Distribution of ASHRAE/AHRI Exposition Revenue
(99-01-24-15/07-01-28-04/08-01-20-02/08-06-22-05)

A portion of the revenue received from the ASHRAE/AHRI Exposition will go into the ASHRAE Research Fund. The annual amount contributed will be a dollar-for-dollar match with the dollars raised by the Research Promotion program in the fiscal year ending twelve months prior to the budget fiscal year (i.e., \$1 from exposition revenue for each \$1 raised by Research Promotion). Exception: If the total income using a 1-1 match is insufficient to prevent a deficit in the annual research fund budget, the exposition contribution in any single year shall not be lower than \$1.5 million. The total matching funds from exposition revenues shall be limited to a maximum of \$2 million. Matching funds in excess of \$1.5 million will be transferred from the General Reserve Fund. In the event that not all of the annual Research budget is spent in any given fiscal year that portion of the matching funds from the ASHRAE/AHRI Exposition that remains unspent shall be transferred to the General Reserve Fund.

2.102.002.10 Portfolio Value Budgeted as Income (01-01-28-10/03-01-29-10/05-02-06-1708-06-22-06)

A minimum of four percent (4%) of the Research Reserve Fund portfolio value shall be budgeted as income annually. The Finance Committee may recommend a higher percentage up to 10% of the Research Reserve Fund portfolio value provided that the assets in the Research Reserve Fund are at least equal to the annual Research Fund expenditures. Transfers in excess of 10% of the Research Reserve Fund portfolio value shall be approved by the Board of Directors as part of the annual budget approval process.

X.XXX.XXX.X Futures Fund Portfolio Value Budgeted as Income

Approximately three to four percent (3-4%) of the Futures Fund shall be budgeted as income annually. Transfers in excess of 4% may be recommended by the Finance Committee for approval by the Board of Directors as part of the annual budget approval process.

Formatted: English (United States)

Formatted: English (United States)

Commented [BF2]: This language should be customized to fit the intents and purposes of the ASRAE Board.

Roles and Responsibilities

The following is a summary of roles and responsibilities of various parties involved in overseeing or safeguarding the Fund's assets:

Board

- Select members to serve on the Committee
- Provide guidance to Committee on the Fund's objectives
- Review and approve Investment Policy Statement
- Periodically receive performance updates from Committee

Committee (Finance Committee)

- Act solely in the best interest of the Funds and its objectives.
- Determine investment objectives and constraints. Immediately communicate any revision in objectives or constraints to the Advisor.

- Set and revise the investment policies and receive board approval as necessary.
- Select Advisor, custodians, and any other vendors required to administer the fund, and oversee such parties.

- Review and evaluate investment results with the assistance of the Advisor.

Advisor

- Assist Committee in the development and periodic review of the investment policy.
- Manage the Fund's strategy and assets within IPS constraints.
- This may entail periodically making revisions to the investment strategy and/or the IPS in order to seek to achieve the Fund's long-term objectives.
- Select and terminate underlying investment managers.
- Periodically review Fund-related investment expenses.
- Monitor aggregate and manager-level performance.
- Provide the Committee with performance-related information on a regular basis, no less than quarterly.
- On a timely basis, notify the Committee if there are material developments with the investment strategy or any of the Fund's underlying investment managers.

Investment Managers

- Manage assets in accordance with the guidelines and objectives outlined in prospectuses (mutual funds), investment agreements (commingled funds, private partnerships, etc.), or manager-specific investment guidelines (separate accounts).
- Exercise investment discretion to buy, manage, and sell assets held in the portfolios.
- Promptly vote proxies and related actions in a manner consistent with the long-term interest of the Fund as an investor (separate accounts).
- Communicate all organizational changes in a timely manner, including but not limited to ownership, organizational structure, financial condition, and professional staff.
- Seek "best price and execution" for transactions. Both explicit and implicit transactions costs should be considered.
- Use the same care, skill, prudence, and due diligence under the circumstances then prevailing that experienced investment professionals acting in a like capacity and fully familiar with such matters would use in like activities for like portfolios with like aims.

Custodian(s)

- Safeguard portfolio assets.
- Accurately value portfolio holdings.
- Execute buy/sell orders and cash transfers in a timely manner as directed by the Advisor.

- Collect all income and dividends owed to the Fund
- Settle all transactions (buy-sell orders) initiated by separate account investment managers.
- Provide monthly reports that detail transactions, cash flows, securities values, and changes in the value of each security and the overall portfolio since the previous report.
- Provide all requested portfolio information to the Advisor and Committee in a timely manner.

Staff

- Act solely in the best interests of the Funds and its objectives.
- Review investment decisions quarterly with the Finance Investment Subcommittee to ensure that they comply with the guidelines of this Policy;
- Review monthly custodial statements;
- Provide quarterly investment status reports, in conjunction with the Advisor, to the Committee, in order to monitor portfolio, fund and investment manager performance.
- Communicate to the Advisor, on a timely basis, all information relevant to the portfolio, such as changes in investment objectives, time horizon, and liquidity requirements;

Finance – Investment Subcommittee – Meeting Cadence

- In general the committee will meet four times annually. The meetings shall have flexibility for either being remote or in person. In general the dates and outline is as listed below:
- February
 - Spending policy trends
 - Expense structure review
- May
 - Portfolio attribution
 - Asset class review
- August
 - Investment policy statement review
 - Stewardship best practices
- November
 - Updated capital market assumptions
 - Asset modeling assumption comparison.

Liquidity Constraints

The Investment Committee intends to construct the portfolio to provide adequate liquidity to meet the spending and operational needs of the organization. Portfolio liquidity will be monitored using the following guidelines:

Category	Market Value Guideline	Liquidity Description
Liquid	No less than 80%	Daily to monthly
Semi-Liquid	No more than 20%	Greater than monthly and up to one year

Due to market volatility and the uncertain nature of commitments, drawdowns and distributions, it may not be possible to monitor liquidity continuously. However, attempts will be made to manage liquidity constraints to the greatest extent possible.

Unique Considerations

ASHRAE investments shall reflect the vision, mission, ethics and diversity of the organization.

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.

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.

Diversity Commitment

ASHRAE is committed to providing a welcoming environment. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We proactively pursue and celebrate diverse and inclusive communities understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and for the communities our Society serves. We respect and welcome all people regardless of age, gender, ethnicity, physical appearance, thought styles, religion, nationality, socio-economic status, belief systems, sexual orientation or education.

Investment Strategy and Rebalancing

The Committee acknowledges that the Fund's asset allocation strategy is likely to be its primary determinant of performance. The Fund's investment strategy involves diversifying among various asset classes, investment strategies and investment managers in order to pursue the Fund's investment objective(s) while complying with its constraints.

The Fund's allocation will be monitored on a periodic basis to determine whether rebalancing back to its target allocation is warranted. This rebalancing process is likely to result in withdrawing from investments that have recently outperformed and/or adding to investments that have recently underperformed. With regards to periodic withdrawals (or contributions) that may be made to (or from) the Fund, partial rebalancing will generally have the objective of bringing the Fund closer to its target asset allocation.

The asset allocation ranges set forth in Appendix A represent a long-term view. Short-term market volatility may cause the asset mix to fall outside the targeted range.

Investment Manager Selection

The Funds may select investment managers through a variety of investment vehicles including, but not limited to, separate accounts, mutual funds, exchange traded funds (ETFs), commingled funds, or private partnerships. The Committee understands that managers have full responsibility for security selection, diversification, turnover, and allocation of holdings among selected securities and industry groups, as particularly detailed in the Investment Guidelines of each of the Fund's separately managed accounts or in the prospectus or offering memorandum for each mutual fund/ETF/commingled fund/private partnership.

The underlying investment managers selected for the Fund are intended to be selected with the care, skill and diligence that would be applied by a prudent person acting in a like capacity and knowledgeable about investing.

The Advisor will examine investment managers' investment objectives and processes; historical adherence to stated objectives and processes; depth of resources; quality of personnel; historical performance (including risk) versus various appropriate benchmarks; appropriateness of diversification; reasonableness of fees; and any other metric that may be material when evaluating investment managers' capabilities. The Advisor will use all available information and its best judgment when seeking to hire skillful investment managers. The Advisor may also select low cost, passively managed investment products where appropriate.

Investment Manager Evaluation and Oversight

The Advisor intends to periodically review the performance of the underlying investment managers and will report back to the Investment Committee. Performance monitoring is the mechanism for revisiting the investment selection process and confirming that the criteria originally satisfied remain intact and that an investment continues to be appropriate for the Fund. While frequent change is neither expected nor desirable, the process of monitoring investment performance relative to specified guidelines is an on-going process.

Events that may trigger termination of a manager include, but are not limited to, illegal or unethical behavior on the part of the manager; failure to follow investment guidelines; turnover among key personnel; a change in investment style or strategy; insufficient infrastructure to keep pace with asset growth; significant increase in expenses or fees; performance-related concerns; and any other observation the Advisor deems may prevent the manager from carrying out its duties effectively. Since several studies have demonstrated that the vast majority of strong long-term performing investment managers suffer multi-year periods of underperformance, failure to meet performance or other qualitative guidelines will not

automatically trigger a manager termination. The Advisor intends to use all known information and their best judgment to determine if and when terminating a manager is warranted. In addition, managers may be terminated at any time for any reason at the discretion of the Advisor.

Evaluating and Selecting Service Providers

In carrying out the policies of this IPS, the Committee may rely on various service providers including, but not limited to, the Advisor, trustee, custodian, administrative services provider(s), and investment managers. Such service providers generally shall be evaluated and selected based on the following:

- Furthering the Purpose of the Fund in Cost-Effective Manner. Each service provider is intended to advance the purpose of the Fund, which is to meet the objectives previously stated in this IPS. The service providers shall be expected to deliver administratively efficient services and charge fees that are reasonable given the service(s) provided.
- Core Business Commitment and Expertise. Each service provider is intended to have a history of providing services to other similar Funds and demonstrate an ongoing commitment to such business. Its employees should have a reputation among its clients for the quality of its services. The firm should show an appropriate knowledge of other applicable statutes and regulation.
- Fiduciary Status and Conflicts of Interest. To the extent required based on the services being provided to the Fund, the service provider shall acknowledge its role as a fiduciary to the Fund. Service providers are expected to disclose any potential conflicts of interest to the Advisor and Committee.

Voting of Proxies

Each investment manager is responsible for and empowered to exercise all rights, including voting rights, as are acquired through the purchase of securities, where practical. Each investment manager shall vote proxies in the best interest of the client.

Note that ASHRAE is responsible for voting proxies received from mutual funds and ETFs.

Appendix A

Asset Allocation Guidelines:	Lower Limit	Upper Limit
Cash or Cash Equivalents	0%	10%
Fixed Income	15%	40%
Publicly Traded Global Equity	40%	80%
<i>Domestic Equity</i>	20%	50%
<i>International Equity</i>	10%	40%
Real Assets	0%	20%
Marketable Alternatives (Hedge Funds)	0%	20%

Commented [BF3]: This upper limit may need to be raised, depending on the specific investment strategy selected by the Committee for the Futures Fund.

ASHRAE GENERAL FUND FY24-25 BUDGET - DRAFT

	Forecast FY 2024	DRAFT Budget FY 2025	Difference Budget vs. Forecast	
REVENUES				
31 Membership Dues	\$8,417.8	\$8,844.3	\$ 426.50	5.1%
32 Publication Sales	3,802.3	4,063.6	261.3	6.9%
34 Advertising Income - Print	2,202.9	2,343.0	140.1	6.4%
34 Advertising Income - Non-Print	1,215.0	1,250.0	35.0	2.9%
35.1 Meetings/Conferences Registration	2,312.6	2,217.9	(94.7)	-4.1%
35.2 Certification Registration	340.0	350.0	10.0	2.9%
35.3 Education Registration	2,010.5	2,040.0	29.5	1.5%
36 Grant Income	0.0	939.2	939.2	100.0%
38 Contribution Income	41.8	43.8	2.0	4.8%
41.1 AHR Exposition Income	6,817.3	6,500.0	(317.3)	-4.7%
41.2 Contributions and Matching Gifts	(1,346.0)	(1,178.0)	168.0	-12.5%
41.3 Exposition Income - Other Countries	232.0	0.0	(232.0)	-100.0%
44 Reserve Transfers	219.3	130.0	(89.3)	
46 Miscellaneous Income	958.1	906.0	(52.1)	-5.4%
TOTAL REVENUES	27,223.6	28,449.8		
EXPENSES:				
51 Salaries	9,690.3	10,768.8	1,078.5	11.1%
52 Payroll Taxes, Benefits, Personnel	2,844.0	3,371.9	527.9	18.6%
61 Publishing	1,273.5	1,271.8	(1.7)	-0.1%
62 Promotion (All Depts)	1,313.8	1,302.7	(11.1)	-0.8%
64 Meetings/Conferences	2,615.4	2,654.9	39.5	1.5%
64 Education Courses/Trainings	547.2	700.5	153.3	28.0%
66 Travel	2,443.2	2,208.0	(235.2)	-9.6%
68 Awards, Certif, Logo Cost of Goods Sold	178.6	140.4	(38.2)	-21.4%
71 Research Projects & Grants	164.4	174.7	10.3	6.3%
73 Special Projects	150.0	0.0	(150.0)	-100.0%
76 Public Relations	74.9	60.5	(14.4)	-19.2%
78 Occupancy & Insurance	880.0	840.1	(39.9)	-4.5%
82 Office Expense and Organizational Dues	1,525.7	1,442.2	(83.5)	-5.5%
84 Outside Services	2,478.4	2,781.2	302.8	12.2%
88 Other Expenses	883.9	725.9	(158.0)	-17.9%
90 Depreciation	871.6	897.7	26.1	3.0%
91 Allocation of Overhead & BOD	(839.8)	(899.1)		
TOTAL EXPENSES	27,095.1	28,442.2		
SURPLUS (DEFICIT) before reserve income	128.5	7.6		

ASHRAE Associate Society Alliance

Collaboration Agreement and Membership Requirements

ASHRAE's mission statement requires Society "To serve humanity...". At the same time, we recognize that ASHRAE, working alone, cannot make a difference in the 'critical issues' that we all face worldwide. Accordingly, ASHRAE, in its desire to best serve humanity by creating a more sustainable, resilient world for all, endeavors to produce a more effective and fruitful exchange of technical information, knowledge and ideas among engineers engaged in the arts and sciences of heating, ventilation, air-conditioning and refrigeration by making it possible for any qualifying society, engaged in the similar fields of technical activity, to become an Associate Society of ASHRAE.

Due to the importance of our mission, it is imperative that ASHRAE has clear policies to amplify our ability to collaborate and cooperate with like-minded HVAC&R societies while minimizing any negative, unintended consequences from competition and conflict. This collaboration agreement between ASHRAE and an Associate Society is intended to identify the rights, responsibilities and requirements that are attributable to both ASHRAE and its Associate Societies.

I. BASIC REQUIREMENTS

The basic requirements for an organization within the built environment to become an ASHRAE Associate are as follows:

- A. Application will be limited to HVAC&R societies located outside of the United States and Canada whose purpose is to advance the arts and sciences of heating, refrigerating, air-conditioning or ventilation. Applications for affiliate, non-voting AASA membership can also be accepted from industrial/manufacturer associations (such as EUROVENT, AMCA, etc.) and federations (such as FAIAR, REHVA, etc.) within and outside of North America.
- B. Organizations applying for association must have been in existence a minimum of five consecutive years and have no less than 50 members in good standing at the signing of agreement. The membership requirement is waived for affiliate, non-voting AASA membership.
- C. The membership requirements of organizations applying for association must be open to all individuals who meet the minimum requirements for ASHRAE membership. (Please reference ASHRAE's website at <https://www.ashrae.org/membership/join> for qualifications of ASHRAE membership.) The membership requirement is waived for affiliate, non-voting AASA membership.
- D. All organizations seeking membership in AASA shall adhere to ASHRAE's Code of Ethics (<https://www.ashrae.org/about/governance/code-of-ethics>)

II. RIGHTS, RESPONSIBILITIES AND PRIVILEGES ATTRIBUTABLE TO ASHRAE

ASHRAE acknowledges the following:

- A. ASHRAE will strive to collaborate and cooperate with the Associate Society to advance the arts and sciences of the HVAC&R industry to serve humanity.
- B. ASHRAE 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.

- C. ASHRAE will avoid any real or perceived conflict of interest in its dealings with the Associate Society.
- D. ASHRAE will endeavor to avoid unfair competition¹ with the Associate Society with respect to membership recruitment or revenue streams
- E. ASHRAE will continue to grow its membership and serve its members² in keeping with its mission.
 - i. The formation of chapters, sections, and student branches is a decision to be made by local ASHRAE members and is therefore not controlled by ASHRAE. The rules and regulations regarding the formation of chapters, sections, and student branches is contained within the Manual of Chapter Operations (MCO) (<https://www.ashrae.org/communities/chapters/ashrae-chapters/manual-for-chapter-operations>).
 - ii. If local ASHRAE members choose to form a chapter, section, or student branch, the local AASA society should be informed of the intent and the process to be followed to form a chapter, section, or student branch.
 - iii. If an ASHRAE chapter, section, or student branch is already existing in that country, the proposed new ASHRAE chapter, section, or student branch shall be comprised of new ASHRAE members and shall not compete with the existing ASHRAE chapter, section, or student branch.
 - iv. The proposed ASHRAE chapter, section, or student branch will endeavor to work in harmony with the local AASA societies to ensure that both the local ASHRAE chapter, section, or student branch and the local AASA organization benefit humanity.
- F. ASHRAE may promote, endorse, sponsor and/or collaborate on joint conferences, seminars, forums, and other technical events with an AASA organization if it is mutually determined that the collaboration benefits both organizations and the community as a whole.
 - i. If it is mutually determined that ASHRAE should be involved in a joint endeavor, a business case on any particular collaboration project shall be agreed upon and balanced benefits measured. A clear statement of benefits to each organization shall be developed.
 - ii. If a local ASHRAE chapter or group is available, and so inclined, it shall similarly be involved in the joint endeavor and will be held to the same rights, responsibilities, and privileges as ASHRAE Society.
 - iii. If it is mutually determined that ASHRAE and/or a local ASHRAE chapter or group shall be involved in a joint endeavor, a detailed budget must be prepared showing all expected expenses and revenues for the endeavor. A detailed explanation of how the expenses, revenues and excess are to be divided between ASHRAE, its local chapter or group and the AASA organization shall be produced.
 - iv. If the joint activity is dependent on ASHRAE funding, the funding request shall be submitted to ASHRAE prior to the end of the preceding Society year, so that it may be included in the current year's budget.

¹ ASHRAE will avoid recruiting an Associate Society's members, sponsors, or supporters by using unfair or unethical methods.

² Serving members includes, but is not limited to, holding seminars, DL lectures and other similar activities

- v. ASHRAE must inform the local AASA organization if an ASHRAE topical conference is planned in that country.
 - vi. ASHRAE and its chapters and groups shall comply with the requirements for product shows and equipment expositions, as outlined in the Manual of Chapter Operations (MCO) (<https://www.ashrae.org/communities/chapters/ashrae-chapters/manual-for-chapter-operations>).
- G. Members of ASHRAE in good standing are entitled to register for meetings and conferences conducted by AASA organizations at AASA member registration rates. Each Society agrees to provide the other with one complimentary VIP registration to the primary annual meeting of the other organization.
- H. Members of ASHRAE in good standing are entitled to purchase publications of AASA organizations at AASA member prices.
- I. ASHRAE will provide each AASA organization with any regular monthly publication produced by ASHRAE.
- J. In an attempt to facilitate communication and collaboration, ASHRAE will survey their members in the country of the AASA organization and request their permission to share their name and contact information with the AASA organization. To reciprocate, the AASA organization will survey its members to identify ASHRAE members and request their permission to share their name and contact information with ASHRAE. It is hoped that this common pool of ASHRAE volunteers will serve as the foundation for future collaboration and communication.

III. RIGHTS, RESPONSIBILITIES AND PRIVILEGES ATTRIBUTABLE TO THE ASSOCIATE SOCIETY

Each ASHRAE Associate Society Alliance (AASA) organization acknowledges the following:

- A. The AASA organization will strive to collaborate and cooperate with ASHRAE and its local chapters to advance the arts and sciences of the HVAC&R industry to serve humanity.
- B. The AASA organization will act with honesty, fairness, courtesy, competence, inclusiveness, and respect for others, which exemplify ASHRAE's core values of excellence, commitment, integrity, collaboration, volunteerism, and diversity.
- C. The AASA organization will avoid any real or perceived conflict of interest in its dealings with the ASHRAE and its local chapters.
- D. The AASA organization will endeavor to avoid unfair competition³ with ASHRAE and its local chapters with respect to membership recruitment or revenue streams.
 - i. The AASA organization will not distribute ASHRAE standards, DL presentations, Handbooks or other ASHRAE member benefits for free or at a reduced rate without the written permission of ASHRAE.
- E. The AASA organization will continue to grow its membership and serve its members in

³ The Associate Society will avoid recruiting ASHRAE members, sponsors, or supporters by using unfair or unethical methods.

keeping with its mission⁴.

- i. The formation of affiliated groups to serve an AASA organizations members, students, or other similar groupings is a decision to be made by the AASA organization.
 - ii. If an AASA organization chooses to form affiliated groups, ASHRAE Society and the local ASHRAE entity should be informed of the intent and the process to form such affiliated groups.
 - iii. The proposed AASA affiliated group will endeavor to work in harmony with ASHRAE Society and the local ASHRAE entities to ensure that both the local AASA affiliated group and ASHRAE, and the local ASHRAE entities, benefit humanity.
 - iv. An AASA organization, in consensus with ASHRAE, may establish an ASHRAE group, chapter, section, or student branch within its organization. The process of establishing an ASHRAE group, chapter, section, or student branch will follow the 'Model Plan to Establish Chapters with National Associations', attached as Attachment A.
- F. An AASA organization may promote, endorse, sponsor and/or collaborate on joint conferences, seminars, forums, and other technical events with ASHRAE if it is mutually determined that the collaboration benefits both organizations and the community as a whole.
- i. If it is mutually determined that ASHRAE should be involved in a joint endeavor, a business case on any particular collaboration project shall be agreed upon and balanced benefits need to be measured. A clear statement of benefits to each organization shall be developed.
 - ii. If an AASA chapter and/or a local ASHRAE chapter or group is available, and so inclined, it shall similarly be involved in the joint endeavor and will be held to the same rights, responsibilities, and privileges.
 - iii. If it is mutually determined that ASHRAE should be involved in a joint endeavor, a detailed budget shall be prepared showing all expected expenses and revenues for the endeavor. A detailed explanation of how the expenses, revenues and excess are to be divided between ASHRAE, and the AASA shall be produced.
 - iv. The AASA organization must inform ASHRAE and any local ASHRAE chapter if a topical conference is organized in the country of the AASA member or AASA affiliate member.
- G. Members in good standing of AASA organizations are entitled to register for Society meetings and conferences of ASHRAE at ASHRAE member registration rates. Each Society agrees to provide the other with one complimentary VIP registration to the primary annual meeting of the other organization.
- H. Members in good standing of AASA organizations are entitled to purchase ASHRAE Society publications at ASHRAE member prices.
- I. AASA organizations will endeavor to attend an AASA meeting twice a year. ASHRAE will organize an AASA meeting at each winter meeting. The second yearly meeting could be at the ASHRAE annual meeting or at another location to be decided by AASA. .

⁴ Serving members includes, but is not limited to, holding seminars, DL lectures and other similar activities

- J. A virtual ASHRAE Library, consisting of monthly ASHRAE Journals, annual volumes of the Handbook series, Meeting Transactions will be provided to each AASA member in good standing.
 - i. AASA members may translate and reprint ASHRAE meeting and Journal papers following formal written permission to do so.

IV. IDENTIFICATION OF ASSOCIATION

Associates may print on their letterhead: Associate of ASHRAE

V. DISASSOCIATION

ASHRAE reserves the right to disassociate with any AASA organization by withdrawing their 'in-good-standing' status, due to a failure to meet these AASA membership requirements, ASHRAE's Code of Ethics, or precipitating a conflict of interest.

VI. APPLICATION PROCEDURE

If the applicant meets the basic requirements for association as outlined herein and desires to apply for association with ASHRAE as an AASA member, a 'Collaboration Agreement and Membership Requirements' form, signed by an authorized officer of the organization, shall be transmitted to ASHRAE as outlined herein. Further, a formal letter/request signed by an authorized officer of the applicant organization shall be directed to the AASA chairman, and the Manager of Region Services of ASHRAE, stating that the national Society, by approval of its Governing Board, has voted to apply for status as an ASHRAE Associate Society. This letter must state that the national society is fully aware of the basic requirements, rights, responsibilities, and privileges for association with ASHRAE and that it agrees to this 'Collaboration Agreement and Membership Requirements'.

When completed, mail this agreement, the above referenced letter, and the attached AASA Application Request Form to:

Manager – Region Services
C/o ASHRAE
180 Technology Parkway
Peachtree Corners, GA 30092

Email: AASA@ashrae.org

Upon receipt of this request for association, it will be reviewed by the Executive Committee for compliance with requirements and submitted to the ASHRAE Board of Directors for approval. The organization applying for association will then be officially notified of the action taken by the Board of Directors of ASHRAE. Should the number of Associate Societies in any country increase, ASHRAE reserves the right to review its relations with the Associate Society in that country to ensure maximum cooperation and to avoid duplication of effort.

Once AASA membership has been approved by the ASHRAE Board of Directors, a membership certificate will be issued.

Agreed and accepted:

For the organization

Signature:

Name:

Title:

Date:

For ASHRAE

Signature:

Name:

Title: ASHRAE President

Date:

AASA Application Request Form – Inserted Here



ASHRAE ASSOCIATE SOCIETY ALLIANCE APPLICATION REQUEST FORM

GENERAL INFORMATION

Society Name: _____
Address Line 1: _____
Address Line 2: _____
Address Line 3: _____
Country: _____
Telephone: _____
Facsimile: _____
Email: _____
Web Address: _____

AASA OFFICIALS (Please list elected officials on a separate page)

CHIEF STAFF OFFICER (Please list person responsible for correspondence with ASHRAE – include formal title)

Name: _____ Title: _____
Email: _____
ASHRAE Member? Yes Membership Number: _____
No

AASA PRESIDENT

Name: _____
Email: _____
Term of Office: From: _____ To: _____
ASHRAE Member? Yes Membership Number: _____
No

AASA REPRESENTATIVE

Name: _____
Address Line 1: _____
Address Line 2: _____
Address Line 3: _____
Country: _____
Telephone: _____
Facsimile: _____
Email: _____
ASHRAE Member? Yes Membership Number: _____
No

PUBLICATIONS

Publication Name

Publication Frequency

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

MEMBERSHIP

Total Membership: _____

Membership Grades

Approximate Number of Members

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

SOCIETY MEETINGS (include 5 year listing)

Dates

Location

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

OTHER SOCIETY INFORMATION

Native Language: _____

Brief description of the nature of your national association, its aims and scope of activity, the date of formation, and include a copy of the certificate of national registration.

Submitted by:

Name: _____

Title: _____

Email: _____

Date: _____

Return Completed Application form and a copy of your Society Bylaws to:

Tammy Catchings
ASHRAE

180 Technology Parkway • Peachtree Corners, GA 30092

Email: AASA@ashrae.org



Draft ASHRAE's Public Policy Priorities: SY 2024-2025

- Support Sustainable Building Practices including Building Decarbonization to Mitigate Climate Change
Buildings and their heating, ventilation, air conditioning and refrigeration (HVAC&R) systems directly and indirectly contribute to GHG emissions. Buildings are responsible for more than 35% of global primary energy use, 60% of global electrical energy use, and nearly 40% of energy-related greenhouse gas emissions worldwide. Eliminating greenhouse gas emissions from the built environment is essential to address climate change. Doing so will require recognizing buildings in the broader context of energy resources and additional demands on the electric grid. ASHRAE is advancing additional tools to support decarbonization across a building's entire life cycle, including building design, construction, operation, occupancy, and end of life. ASHRAE addresses emissions from building operation as well as those embodied in building materials and the construction process.

To advance building decarbonization, ASHRAE supports government adoption of robust building standards for new construction such as [ASHRAE Standard 90.1 \(commercial\)](#), [90.2 \(residential\)](#), [90.4 \(data centers\)](#), [189.1/IgCC](#) (high-performance green buildings), and [189.3 \(high-performance health care facilities\)](#). ASHRAE supports the deployment of decarbonization technology such as next generation heat pumps, the adoption of stretch codes, building performance standards ([Standard 100](#)), electric-ready building requirements, and building benchmarking and labeling requirements. ASHRAE also supports the use of decarbonized combustion fuels and on-site carbon capture use and storage, as they become commercially available.

To evaluate whether a building or group of buildings meet a definition of "zero net energy" or "zero net carbon," ASHRAE recommends governments use and refer to [ASHRAE Standard 228](#), *Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance*.

- Promote Healthy Buildings and Reduce Indoor Environmental Risks
Supporting the health and well-being of building occupants is the most important feature of the indoor environment. Providing healthy, safe and comfortable indoor environments are essential building services that must be achieved alongside energy efficiency, sustainability, and resiliency. ASHRAE recommends that policymakers cite ASHRAE standards and guidance in legislation and policies to provide healthy levels of IAQ, reduce the risk of airborne pathogen transmission, and decrease hazards in building water systems. At a national or subnational level, model building codes should be developed referencing ASHRAE Standards such as [62.1 \(commercial ventilation and IAQ\)](#), [62.2 \(residential ventilation and IAQ\)](#), [170 \(ventilation of health care facilities\)](#), [241 \(control of infectious aerosols\)](#), [188 \(water system safety\)](#), and [55 \(thermal comfort\)](#) to support healthy, safe, and comfortable indoor environments.
- Ensure the Orderly and Safe Phasedown of High-GWP HFC Refrigerants
ASHRAE supports the global phasedown of the production and consumption of Hydrofluorocarbon (HFCs) refrigerants that have high-Global Warming Potential (GWP), including through legislation, regulations, and policy. Governments are mandating the near-term use of lower GWP refrigerants, which can have some flammability. [ASHRAE Standard 15-2022](#), *Safety Standard for Refrigeration Systems*, and [Standard 34-2022](#), *Designation and Classification of Refrigerants* should be adopted quickly to help ensure the safe use of these refrigerants. Where ultra-low GWP refrigerants are being applied, ASHRAE's priority is to ensure the transition to these refrigerants be managed so that they are used safely, efficiently, and cost-effectively.



- Strengthen and Increase Diversity in the HVACR Workforce

Strong education in science, technology, engineering, and mathematics (STEM) to develop the pipeline of engineers, scientists, and technicians is critical to our future well-being and standard of living. ASHRAE supports policies that strengthen STEM at all educational levels, including through use of ASHRAE's extensive educational offerings. Requiring the use of ASHRAE certification programs helps ensure professionals have the skills and knowledge to improve building performance. ASHRAE supports expanding the HVACR workforce pipeline by broadening the population from which engineers, scientists, and technicians are recruited, including from disadvantaged and under-resourced communities. For the existing workforce, ASHRAE supports equipping these experts with the technical skills to address the challenges and opportunities for sustainable and healthy built environments that serve humanity.

- Advance Design and Construction of Resilient Buildings and Communities

Resiliency is an important societal, economic, and technical issue that will have a major impact on how buildings are designed, renovated, and operated. For example, the increasing threat of wildfires has led ASHRAE to produce technical materials such as the [Planning Framework for Protecting Commercial Building Occupants from Smoke During Wildfire Events](#).

As investments are made to improve infrastructure, buildings should be included, as they are vital for protecting the public when natural and human-induced events occur. A building's ability to recover and be available to occupants following such an event can have widespread economic and health implications. In particular, up-to-date standards (e.g. ventilation, pathogen mitigation, energy efficiency) are essential elements of providing resilient buildings. Unfortunately, most states have not adopted the most recent standards and codes that are based on the latest research and technological innovation, which could make building occupants more vulnerable to disasters and disease transmission. ASHRAE's priority is that policies affecting building design and building codes are developed and implemented by qualified engineers and HVACR professionals as unbiased technical experts, to advance a built environment that is as safe, efficient and resilient as possible.

- Support Adoption of the Latest Edition of ASHRAE's Standards into Building Codes

Energy efficiency can be improved significantly through the adoption and effective implementation of the most recent version of [Standard 90.1](#), *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings*, which has provided the minimum requirements for energy-efficient design in the United States for over 40 years. Residential buildings and data centers can also achieve improved performance, save energy costs, and reduce climate impacts when jurisdictions adopt [ASHRAE Standard 90.2](#) (residential) and [Standard 90.4](#) (data centers). The inclusion of ASHRAE's most current standards in building codes, rules, regulations, and laws enhances health, efficiency, and safety in the built environment, and should be pursued. Authorities having jurisdiction should be adequately resourced and empowered to adopt and enforce the newest edition of ASHRAE standards.

ATTACHMENT F

BOD OPEN SESSION MINUTES SUNDAY 2024 JUNE 23

Region - Chapter Presidential Visit Roadmap

Region	Chapter Number	Chapter Name	City	Visits since 2015-16		2015-16 Underwood (F2F)	2016-17 Wentz (F2F)	2017-18 Olesen (F2F)
				F2F	Total			
1	15	CRC			3		CRC	
1	1	Boston	Boston, MA	2	2			1
1	3	Rhode Island	Providence, RI	1	1			
1	4	Connecticut	Hartford, CT	2	2	1		
1	6	Long Island	Garden City, NY	1	1			
1	7	New Jersey	Newark, NJ	1	1			
1	8	New York	New York, NY	3	4		1	
1	9	Northeast	Albany, NY	0	1			
1	10	Central New York	Syracuse, NY	1	1	1		
1	11	Rochester	Rochester, NY	1	2			
1	12	Niagara Frontier	Buffalo, NY	1	1			
1	111	Champlain Valley	Burlington, VT	1	1			
1	118	Maine	Lewiston, ME	1	1			
1	129	Twin Tiers	Owego, NY	1	1			
1	146	Bi-State	White Plains, NY	1	1			
1	152	Granite State	Manchester, NH	3	3			
2	9	CRC			1			
2	13	Quebec	Quebec, PQ	1	1		1	
2	14	Montreal	Montreal, PQ	0	2			
2	15	Ottawa Valley	Ottawa, ON	2	3			
2	16	Toronto	Toronto, ON	4	5	2		1
2	37	Hamilton	Hamilton, ON	1	1	1		
2	100	Halifax	Halifax, NS	2	4			1
2	116	London (Canada)	London, ON	2	3			1
2	117	NB/PEI	Moncton, NB	3	4			1
2	141	Windsor	Windsor, ON	1	2			1
3	11	CRC			2			
3	21	Philadelphia	Philadelphia, PA	0	1			

Region - Chapter Presidential Visit Roadmap

Region	Chapter Number	Chapter Name	City	Visits since 2015-16		2015-16 Underwood (F2F)	2016-17 Wentz (F2F)	2017-18 Olesen (F2F)
				F2F	Total			
3	22	Central Pennsylvania	York, PA	2	2			
3	23	Johnstown	Johnstown, PA	1	2			
3	24	Pittsburgh	Pittsburgh, PA	0	1			
3	25	Baltimore	Baltimore, MD	2	3			
3	26	National Capital	Washington, DC	1	2			
3	27	Hampton Roads	Norfolk, VA	1	2			
3	28	Richmond	Richmond, VA	1	2			
3	98	Lehigh Valley	Allentown, PA	1	3			
3	125	Roanoke	Roanoke, VA	1	2			
3	134	Anthracite	Scranton, PA	1	2			
4	8	CRC			3	CRC	CRC	
4	29	North Piedmont	Greensboro, NC	5	6	1		
4	30	Southern Piedmont	Charlotte, NC	4	5	1		
4	31	South Carolina	Columbia, SC	2	2			
4	32	Atlanta	Atlanta, GA	2	2			
4	97	Greenville	Greenville, SC	2	2			
4	106	Triangle	Raleigh/Durham, NC	3	4	1		
4	11	Charleston	Charleston, SC	3	3		1	
4	Section	Myrtle Beach		1	1		1	
4	Section	Savannah		1	1		1	
5	12	CRC			3		CRC	
5	38	Cleveland	Cleveland, OH	4	5		1	
5	39	Columbus	Columbus, OH	4	5		1	
5	40	Cincinnati	Cincinnati, OH	3	3			
5	41	Dayton	Dayton, OH	3	3			
5	42	Toledo	Toledo, OH	1	1			
5	43	Central Indiana	Indianapolis, IN	3	4			
5	44	Evansville	Evansville, IN	0	1			

Region - Chapter Presidential Visit Roadmap

Region	Chapter Number	Chapter Name	City	Visits since 2015-16		2015-16 Underwood (F2F)	2016-17 Wentz (F2F)	2017-18 Olesen (F2F)
				F2F	Total			
5	45	Detroit	Detroit, MI	3	4		1	
5	47	Western Michigan	Grand Rapids, MI	4	4		1	
5	90	Akron/Canton	Akron/Canton, OH	1	2			
5	103	Northern Indiana	Elkhart, IN	4	5		1	
5	120	Fort Wayne	Fort Wayne, IN	4	5		1	
6	11	CRC			1			
6	48	Wisconsin	Milwaukee, WI	2	4			
6	49	Illinois	Chicago, IL	1	2			
6	50	Central Illinois	Peoria, IL	1	2			
6	51	Iowa	Des Moines, IA	1	3			
6	52	Minnesota	Minneapolis, MN	5	5			1
6	54	St. Louis	St. Louis, MO	1	2			
6	95	Madison	Madison, WI	3	4			
6	107	Northeast Wisconsin	Green Bay, WI	2	3			
6	115	La Crosse Area	La Crosse, WI	5	7		1	1
6	123	Mississippi Valley	Davenport, IA	1	2			
6	159	Cedar Valley	Cedar Rapids, IA	1	1			
7	14	CRC			4			CRC
7	55	Louisville	Louisville, KY	3	4			
7	56	Memphis	Memphis, TN	2	2			
7	57	Birmingham	Birmingham, AL	3	3			
7	58	Mobile	Mobile, AL	1	2			
7	59	New Orleans	New Orleans, LA	2	2			
7	60	Baton Rouge	Baton Rouge, LA	2	2			
7	61	Mississippi	Jackson, MS	2	2			
7	88	Nashville	Nashville, TN	2	2			
7	99	East Tennessee	Knoxville, TN	1	2			
7	114	Tennessee Valley	Chattanooga, TN	2	3			

Region - Chapter Presidential Visit Roadmap

Region	Chapter Number	Chapter Name	City	Visits since 2015-16		2015-16 Underwood (F2F)	2016-17 Wentz (F2F)	2017-18 Olesen (F2F)
				F2F	Total			
7	128	Bluegrass	Lexington, KY	1	1			
7	130	Northwest Florida	Pensacola, FL	1	1			
7	133	North Alabama	Huntsville, AL	2	2			
7	192	West Virginia	Charleston, WV	2	2			
8	16	CRC			1			
8	62	Arkansas	Little Rock, AR	5	6	1	1	1
8	63	Shreveport	Shreveport, LA	0	0			
8	64	Houston	Houston, TX	2	3	1		
8	65	Alamo	San Antonio, TX	2	2	1		
8	66	Austin	Austin, TX	2	3	1		
8	67	Dallas	Dallas, TX	1	1			
8	68	Central Oklahoma	Oklahoma City, OK	4	4			
8	69	Northeastern Oklahoma	Tulsa, OK	3	3			
8	70	Fort Worth	Ft. Worth, TX	3	3			
8	71	West Texas	Lubbock, TX	1	1			
8	91	East Texas	Tyler, TX	2	2			
8	154	South Texas	Corpus Christi, TX	1	2			
8	165	Mexico City	Mexico City, MEX	1	1			
8	166	Monterrey	Monterrey, MEX	1	1			
8	173	Guadalajara	Guadalajar, MEX	1	1			
8	208	Northwest Arkansa	Fayetteville AR	4	5	1		1
9	14	CRC			6	CRC	CRC	
9	53	Kansas City	Kansas City, MO	4	5	1		
9	72	El Paso	El Paso, TX	2	2			
9	73	Rocky Mountain	Denver, CO	4	5	1		
9	Section	Fort Collins	Ft. Collins, CO	1	1			
9	74	Utah	Salt Lake City, UT	1	1			
9	75	Nebraska	Omaha, NE	0	1			

Region - Chapter Presidential Visit Roadmap

Region	Chapter Number	Chapter Name	City	Visits since 2015-16		2015-16 Underwood (F2F)	2016-17 Wentz (F2F)	2017-18 Olesen (F2F)
				F2F	Total			
9	76	Wichita	Wichita, KS	3	5	1		
9	77	New Mexico	Albuquerque, NM	2	2			
9	93	South Dakota	Sioux Falls, SD	1	2			
9	127	Black Hills	Rapid City, SD	2	2			1
9	131	Big Sky	Billings, MT	2	2			
9	135	Idaho	Boise, ID	1	1			
9	148	Pikes Peak	Colorado Springs, CO	2	3			
9	150	Ozarks	Springfield, MO	3	4	1		
10	14	CRC			2	CRC		
10	81	Sacramento Valley	Sacramento, CA	3	4		1	1
10	82	Golden Gate	San Francisco, CA	6	7		1	1
10	83	San Joaquin	Fresno, CA	5	6	1		1
10	84	Southern California	Los Angeles, CA	7	8	1	1	2
10	85	San Diego	San Diego, CA	5	6		1	1
10	86	Central Arizona	Phoenix, AZ	3	3			
10	87	Tucson	Tucson, AZ	3	4			
10	92	Southern Nevada	Las Vegas, NV	1	1			
10	101	San Jose	San Jose, CA	6	7		1	1
10	105	Orange Empire	Anaheim, CA	6	8	1	1	1
10	108	Hawaii	Honolulu, HI	3	5			1
10	126	Northern Nevada	Reno, NV	1	1			
10	144	Sierra Delta	Sierra Delta, CA	1	1			
10	155	Tri County	Redlands, CA	5	6	1	1	
11	11	CRC			3		CRC	CRC
11	17	Manitoba	Winnepeg, MB	2	4	1		
11	18	Southern Alberta	Calgary, AB	2	3			
11	19	Northern Alberta	Edmonton, AB	2	3	1		
11	20	British Columbia	Vancouver, BC	5	7		1	

Region - Chapter Presidential Visit Roadmap

Region	Chapter Number	Chapter Name	City	Visits since 2015-16		2015-16 Underwood (F2F)	2016-17 Wentz (F2F)	2017-18 Olesen (F2F)
				F2F	Total			
11	78	Inland Empire	Spokane, WA	1	2			
11	79	Puget Sound	Seattle, WA	2	6			
11	80	Oregon	Portland, OR	3	7		1	
11	95	Regina	Regina, SK	3	6		1	
11	102	Saskatoon	Saskatoon, SK	3	5		1	
11	122	Alaska	Anchorage, AK	0	1			
11	145	Vancouver Island	Victoria, BC	2	3			
12	17	CRC			3	CRC		CRC
12	34	Jacksonville	Jacksonville, FL	5	6			1
12	35	Florida West Coast	Tampa, FL	7	8	1	1	1
12	36	Miami	Miami, FL	5	6			1
12	94	Central Florida	Orlando, FL	6	7	1	1	
12	104	Gold Coast	Ft. Lauderdale, FL	5	6			1
12	109	Spacecoast (section 2020)		5	5	1	1	1
12	110	Puerto Rico	San Juan, PR	0	0			
12	139	Southwest Florida	Fort Meyers, FL	5	6	1	1	
12	172	Brasil	Sao Paulo, BRA	6	8	1	2	
12	section	Curitiba	Curitiba, BRA	1	1			
12	178	Argentina	Buenos Aries, ARG	2	4		1	1
12	190	Columbia	Bogota, Cali	4	7		1	1
12				1				
12	196	Chile	Santiago, CHL	3	4	1	1	1
12	199	Ecuador	Guayaquil, ECU	2	2			1
12	202	Paraguay	Asuncion, PRY	0	0			
12	209	ASHRAE Caricom	Charlieville, TTO	0	3			
12	213	South Brasil	Porto Alegre, BRA	1	3			
12	220	Peru	Lima, PER	0	2			
13	10	CRC			3			CRC

Region - Chapter Presidential Visit Roadmap

Region	Chapter Number	Chapter Name	City	Visits since 2015-16		2015-16 Underwood (F2F)	2016-17 Wentz (F2F)	2017-18 Olesen (F2F)
				F2F	Total			
13	142	Singapore	Singapore, SGP	0	2			
13	143	Hong Kong	Hong Kong, HKG	3	5		1	1
13	149	Malaysia	Kuala Lumpur, MYS	1	3			1
13	157	Taiwan	Taipei, TWN	1	3			
13	167	Phillipines	Manilla, PHL	1	3			1
13	170	Thailand	Bangkok, THA	2	4			1
13	183	Indonesia	Jakarta, IDN	0	2			
13	194	Japan	Tokyo, JPN	8	10	1	1	2
13	195	South Korea	Seoul, KOR	3	5	1		1
13	198	Macao	Macao, CHN	1	3		1	
14	9	CRC			5			CRC
14	168	Hellenic	Athens, GRC	5	5	1	1	1
14	176	Danube	Timisoara, ROM	2	3	1	1	
14	177	Portugal	Lisbon, PRT	2	2			
14	182	Spain	Madrid, ESP	3	3			
14	203	Cyprus	Nicosia, CYP	2	2		1	1
14	204	Ireland	Dublin, IRL	4	5		1	
14	205	UK Midlands	Central England	4	4		1	1
14	206	UK London and Southeast	London, UK	2	2			
14		Israel	Ramat Gan, ISR	0	0			
14	Section	Glasgow		2	2		1	1
RAL	32	CRC			5	CRC		CRC
RAL	158	India	New Delhi, IND	4	8	1		1
RAL	160	Saudi Arabia	Dhahran, SAU	0	1			
RAL	161	Cairo	Cairo, EGY	1	2			
RAL	162	Lebanese	Beirut, LBN	0	1			
RAL	163	Western India	Ahmedabad, IND	2	5			1
RAL	164	Kuwait	Kuwait, City, KWT	1	2			

Region - Chapter Presidential Visit Roadmap

Region	Chapter Number	Chapter Name	City	Visits since 2015-16		2015-16 Underwood (F2F)	2016-17 Wentz (F2F)	2017-18 Olesen (F2F)
				F2F	Total			
RAL	169	ASHRAE Bangalore	Bangalore, IND	1	2	1		
RAL	171	Sri Lankan	Colombo, LKA	1	2			
RAL	174	Pakistan	Karachi, PAK	3	7	1	1	
RAL	175	ASHRAE Falcon	Dubai, UAE	2	3			
RAL	179	Northern Pakistan	Islamabad, PAK	1	5		1	
RAL	181	Bahrain	Manama, BHR	1	3	1		
RAL	184	Qatar ORYX	Doha, QAT	0	1			
RAL	185	Chennai	Chennai, IND	1	2			
RAL	186	Pune	Pune, IND	1	3			
RAL	187	ASHRAE Nigeria	Lagos, NGA	0	1			
RAL	188	ASHRAE Mumbai	Mumbai, IND	2	4	1		
RAL	189	Central Pakistan	Lahore, PAK	1	4		1	
RAL	191	ASHRAE Deccan	Hyderabad, IND	2	3	1		
RAL	193	Turkish	Istanbul, TUR	2	4		1	
RAL	197	Bangladesh	Dhaka, BGD	1	2	1		
RAL	207	South Africa	Johannesburg, Capetown, Du	1	2			
RAL	210	Faisalbad	Faisalbad, PAK	0	3			
RAL	211	Pyramids	Giza, EGY	1	2			
RAL	212	Jordan	Amman, JOR	0	2			
RAL	215	East India	Kolkata, IND	0	2			
RAL	216	Rajasthan	Jaipur, IND	1	6			
RAL	217	Chandigarh	Chandigarh, IND	1	5			
RAL	218	Oman	Muscat, OMN	0	1			
RAL	219	Libya	Tripoli, LBY	0	1			
RAL	222	Alexandria	Alexandria, EGY	0	0			
RAL	221	Sudan	Khartoum, SDN	0	0			
RAL				0				
Totals						40	46	42

2018-19 Hayter (F2F)	2019-20 Boyce		2020-21 Gulledge		2021-22 Schwedler	
	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)
				CRC	CRC	
			1			
					1	
				1		
				1		
				1	1	
					1	
					1	
					1	
					1	
				CRC		
				1		1
1	1			1		
					1	1
	1			1		1
				1		
	1			1		1
				1		
	CRC				CRC	
				1		

2018-19 Hayter (F2F)	2019-20 Boyce		2020-21 Gulledge		2021-22 Schwedler	
	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)
					2	
				1	1	
				1		
1				1	1	
				1	1	
				1		
				1		
				2	1	
				1		
				1	1	
				CRC		
1	1			1	1	
	1			1	1	
					1	
	1				1	
					1	
				1	1	
					1	
				CRC		CRC
1				1	1	
1				1	1	
1					1	
1					1	
1						
1				1	1	
				1		

2018-19 Hayter (F2F)	2019-20 Boyce		2020-21 Gulledge		2021-22 Schwedler	
	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)
				1	1	
1					1	
				1	1	
1				1	1	
1				1	1	
				CRC		
1				2	1	
				1	1	
				1	1	
				2	1	
1			1		1	
				1	1	
1				1	1	
1				1	1	
				2	2	
				1	1	
					1	
	CRC			CRC	CRC	
			1	1	1	
					1	
1					1	
				1		
					1	
					1	
				1	1	
				1	1	

2018-19 Hayter (F2F)	2019-20 Boyce		2020-21 Gulledge		2021-22 Schwedler	
	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)
					1	
					1	
					2	
	CRC					
1				1		
1				1		
1						
1				1		
					1	
1	1				1	
1					1	
1	1				1	
					1	
	1				1	
	1			1		
1						
	1			1		
CRC	CRC			CRC	CRC	
1				1	1	
					1	
1				1	1	
1						
1						
				1		

2018-19 Hayter (F2F)	2019-20 Boyce		2020-21 Gulledge		2021-22 Schwedler	
	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)
1				2		
					1	
				1	1	
1						
1				1	1	
1				1		
	CRC					
				1		
1				1	1	
1				1	1	
1				1	1	
1				1	1	
1				1	1	
1				1	1	
1				1	1	
1				1	1	
1				1	1	
1				2	1	
	1			1		1
1				1	1	
CRC						
1				1		1
	1			1	1	
	1			1		
1	1			1	1	1

2018-19 Hayter (F2F)	2019-20 Boyce		2020-21 Gulledge		2021-22 Schwedler	
	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)
				1		
				1	1	3
1				1		3
1				2	1	1
	1			1	1	1
				1		
1	1			1		
	CRC					
1	1			1	1	
1	1			1	1	
1	1			1	1	
1	1			1	1	
1	1					
1				1	1	
1	1			1		1
1						
				2		
1	1			2		1
1						
				1		
1						
				2		1
				2		
				2		
CRC	CRC					

2018-19 Hayter (F2F)	2019-20 Boyce		2020-21 Gulledge		2021-22 Schwedler	
	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)
				1		1
				1		1
				1		1
				1		1
				1		1
	1			1		1
				1		1
2	1			1		1
1				1		1
				1		1
CRC	CRC			CRC		CRC
1					1	
						1
					1	
1					1	
					1	1
	1				1	
					1	
CRC				CRC		CRC
	1			3		1
				1		
	1			1		
				1		
1				2		1
				1		

2018-19 Hayter (F2F)	2019-20 Boyce		2020-21 Gulledge		2021-22 Schwedler	
	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)
				1		
				1		
				2		2
	1			1		
				2		2
				1		1
				1		
				1		
				2		
				1		
				1		1
				2		1
				1		
				2		
				1		
1				1		
				2		1
				1		
				1		1
				2		
				3		2
				3		1
				1		
				1		
67	31	0	3	154	94	44

Last Updated 2/1/2020

Region	# Chapters + Sections	Totals		Only Face to Face Included in this section				% Chapters Visited	2015-16		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22		2022-23		2023-24	
		CRCs	Chapter Visits	Zero Visits	One Visit	Two Visits	≥ 3 Visits		(F2F)	(V)	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)	(F2F)	(V)
I	15	3	50	1	10	2	2	93%	2	1	1	0	0	0	0	0	1	3	7	0	1	0	1	0	34	0
II	9	1	25	1	3	3	2	89%	3	1	5	1	3	0	0	5	1	4	0	0	0	0	0	2	0	
III	11	2	22	2	7	2	0	82%	0	0	0	1	0	0	0	11	7	0	0	0	0	0	0	3	0	
IV	7	3	26	0	2	3	4	129%	3	3	0	3	1	3	0	3	7	0	0	0	0	0	0	6	0	
V	12	3	42	1	2	0	9	92%	0	6	0	9	0	0	0	8	10	0	0	0	0	0	0	9	0	
VI	11	1	35	0	6	2	3	100%	0	1	2	4	0	0	1	12	12	0	0	0	0	0	0	3	0	
VII	14	4	30	0	4	8	2	100%	0	0	0	1	0	0	1	4	11	0	2	0	2	0	11	0		
VIII	16	1	38	1	6	4	5	94%	5	1	2	8	5	0	5	6	0	0	0	0	0	0	6	0		
IX	14	6	36	1	4	5	4	93%	4	0	1	8	0	0	0	8	6	0	0	0	0	0	9	0		
X	14	2	67	0	3	0	11	100%	4	7	9	9	1	0	11	10	1	2	0	13	0	13	0			
XI	11	3	47	1	1	5	4	91%	2	4	0	5	5	0	0	12	5	10	0	0	0	4	0			
XII	17	3	79	4	3	2	10	88%	6	9	9	12	8	0	18	6	3	0	0	8	0	8	0			
XIII	10	3	40	2	4	1	3	80%	2	3	7	3	2	0	10	0	10	1	0	2	0	2	0			
XIV	9	5	28	1	0	5	4	100%	2	6	4	3	1	0	0	6	2	1	0	3	0	3	0			
RAL	32	5	89	12	14	5	2	66%	7	4	2	2	3	0	44	0	14	4	0	9	0	9	0			
Total		45	654	27	69	47	65		40	0	46	4	42	0	67	0	31	0	3	154	94	44	11	0	122	0

