



**TECHNOLOGY
COUNCIL
Annual Tampa Meeting
June 28, 2023**

NOTE: These are not official minutes until approved by Technology Council.

MOTIONS

Technology Council Annual Tampa Meeting Motions June 28, 2023

Motion Number	Motion
<u>1</u>	OPS recommends that ASHRAE create a new webpage titled “Residential Buildings” under the header of “Technical Resources” on ASHRAE.org. Residential Buildings Committee will be the content provider of the webpage “Residential Buildings”.
<u>2</u>	<p>A consent motion that:</p> <p>DRSC recommends that Tech Council recommends to Board Of Directors Ex-Com that the initiation of a revision of the <i>Climate Change</i> PD be approved.</p> <p>DRSC recommend to Tech Council to recommend to BOD Ex-Com that the initiation of a revision to the <i>Refrigerants and their Responsible Use</i> PD be approved with Dustin Lilya as chair of the PD committee.</p>
<u>3</u>	<p>A consent agenda that:</p> <p>DRSC recommends to Technology Council that the <i>Indoor Air Quality</i> PD be reaffirmed.</p> <p>DRSC recommends to Technology Council that the <i>Unvented Combustion Devices and Indoor Air Quality</i> PD be reaffirmed.</p> <p>DRSC recommends to Technology Council that the <i>Environmental Tobacco Smoke</i> PD be reaffirmed .</p> <p>DRSC recommends to Technology Council that the <i>Climate Change</i> PD be reaffirmed.</p> <p>DRSC recommends to Tech Council that the <i>Refrigerants and their Responsible Use</i> position document (PD) be reaffirmed for a period of two years.</p>
<u>4</u>	<p>DRSC recommends to Technology Council the appointment of the following <i>Human Health and Wellness in the Built Environment</i> PD Committee members:</p> <ul style="list-style-type: none"> • Nick Agopian, <i>Renewaire</i> • Seema Bhangar, <i>USGBC</i> • Nick Clements, <i>Univ. of Colorado</i> • Carl Grimes, <i>Hayward Healthy Homes</i> • Paula Levasseur, <i>LMF Services</i> • Lan Chi Nguyen-Weekes, <i>La Cite, Applied Arts and Technology College</i> • Chris Pyke, <i>USGBC</i> • Pawel Wargocki, <i>Univ. of Denmark</i>

<u>5</u>	Standards Committee recommends to Technology Council that ASHRAE jointly sponsor ASHRAE Guideline 43, <i>Operations Guideline for Ventilation of Health Care Facilities</i> , with ASHE (American Society for Health Care Engineering) and ASHRAE as the lead cosponsor following ASHRAE's ANSI development procedures.
<u>6</u>	Standards Committee recommends to Technology Council that ASHRAE jointly sponsor ANSI/ASHRAE Standard 140, <i>Method of Test for Evaluating Building Performance Simulation Software</i> , with IBPSA, <i>International Building Performance Simulation Association</i> , and ASHRAE as the lead cosponsor following ASHRAE's ANSI development procedures.

ACTION ITEMS
Technology Council Annual Meeting
June 28, 2023

AI#	Responsibility	Status	Description
1	EHC	New	Connect with Paul Francisco and other standing committees who have stated an interest in being involved in the revision of the Unvented Combustion Devices and Indoor Air Quality PD.

Action Items
Technology Council Spring Virtual Meeting
April 17, 2023

AI#	Responsibility	Status	Description
1	Amber	Complete	Send out the feedback on Society addressing AI technology.

Action Items
Technology Council Winter Conference
Wednesday, February 8, 2023

AI#	Responsibility	Status	Description
1	Stephanie Reiniche	Complete	Post the old and revised Council MOP for review with a spreadsheet for comments. The posting will include post the Society Rules Committee (SRC) MOP template for reference.
2	REF-CPCC	Open	Add the international members they want to engage into its MOP or Reference Manual.
3	Sarah Maston	Open	Create a letter addressing the importance of DEI and the direct links.
4	Stephanie Reiniche	Complete	Add a DEI liaison report to future agendas.

Action Items
Technology Council Fall Virtual Meeting
September 27, 2022

AI#	Responsibility	Status	Description
-----	----------------	--------	-------------

1	Council Members	Complete	Provide feedback for future strategic plans to Ms. Thomle prior to the Ops meeting in October.
---	-----------------	----------	--

Minutes
Technology Council

<p><u>Voting Members Present:</u> Sarah Maston, Chair Ashish Rakheja, Vice Chair Adrienne Thomle – OPS Chair Carl Huber Christopher Phelan Costas Balaras David Yashar – Special Projects Chair Larry Smith Luke Leung Paul Francisco Steve Sill Tyler Glesne Wade Conlan Wei Sun</p> <p><u>Non-voting Present:</u> Nick Clements – EHC Chair Bill Bahnfleth -EHC Vice Chair Omar Abdelaziz – RAC Chair Bill Murphy – RAC Vice Chair Bill Healy – RBC Chair Chandra Sekhar – RBC Vice Chair Dustin Lilya – REF Chair Stephen Kujak- REF Vice Chair Susanna Hanson – StdC Chair Jonathan Humble- StdC Vice Chair Craig Messmer – TAC Chair James Bennett – TAC Vice Chair</p>	<p><u>Staff</u> Stephanie Reiniche, DOT Connor Barbaree, Sr. MOS Steve Hammerling, MOT Derrick Nesfield, MOSP Tanisha Meyers-Lisle, Assistant Manager of Standards Amber Thomas, Administrative Assistant Alice Yates Emily Porcari Matt Young</p> <p><u>Guests</u> Doug Fick Jennifer Neson Kevin Muldoon Dan Russell Martin Weiland John Constantinide Heather Schopplein-Anderson Doug Scott Jayson Bursill Mark Tome</p> <p><u>TechC Absent:</u></p>
--	---

1. CALL TO ORDER/OPENING COMMENTS

Chair Maston called the meeting to order at 9:00 A.M. EST. The commitment to care, the commitment to the Code of Ethics and the ASHRAE Core Values were shared during the meeting.

Secretary's Note: Quorum was met with 14 voting members, including the Chair at the start of the meeting.

All reports referenced in the minutes are on Basecamp in the folder "2023-06-28 Annual Conference Tampa."

2. REVIEW OF AGENDA

A. Agenda Review

The agenda was approved as presented.

3. MINUTES/ACTION ITEMS

A. TechC Spring Meeting Minutes – 03A

It was moved by Adrienne Thomle and seconded by Wade Conlan that the Technology Council Spring Meeting minutes be approved.

MOTION PASSED by Acclamation.

B. Action Items

The action items were updated as shown above in the action item table.

4. STRATEGIC PLANNING

A. Strategic Plan – Annual Update

Ms. Maston updated the Council on the actions taken by the Society Planning Committee to request the hiring of a consultant to help develop the next Society Strategic Plan. The remaining discussion on the current and future Society Strategic Plan would be held during the Ops report, the liaison reports and under new business.

B. Strategic Item Discussion

This item was postponed for discussion later in the agenda.

5. SUBCOMMITTEE REPORTS

A. Operations (OPS)

Adrienne Thomle, OPS Chair, presented the report. The report is posted on Basecamp as *04A OPS Report to Tech Council.docx*.

It was moved by Ms. Thomle that:

M1

OPS recommends that ASHRAE create a new webpage titled “Residential Buildings” under the header of “Technical Resources” on ASHRAE.org. Residential Buildings Committee will be the content provider of the webpage “Residential Buildings”.

Background: In an effort to “break down silos” as described by President Farooq at the 2023 Annual Conference Plenary, the Residential Buildings committee would place all resources for the residential buildings topic on this new webpage to increase ease of navigation to residential buildings resources within ASHRAE. This is in line with RBC’s mission to increase knowledge of residential resources within ASHRAE.

This webpage would be separate from the [RBC Standing Committee](#) webpage, which sees low traffic and is poorly organized for residential resources. The

RBC Standing Committee webpage would include applicable committee documents similar to other committees.

The Refrigeration Technology Committee sets the precedent for this with a [Refrigeration Technology Standing Committee](#) page and then a [resources](#) page (under the Technical Resources tab on ashrae.org).

RBC would maintain the content, including links to bookstore resources, podcasts, videos, handbook and content. At this time, RBC has draft content for both webpages, including draft content for a new video on the new “Residential Buildings” webpage, updated search terminology to help access for general public and ASHRAE membership, and a podcast.

Fiscal Impact: Staff time to set the webpage up and maintain.

Tech C Vote: 11-2¹-0, CNV

Adrienne Thomle highlighted the following information items:

1. OPS approved the Global Technical Interaction Committee (GTIC) MOP.
2. The Diversity Equity Inclusion (DEI) Subcommittee facilitated Committee, Board and Leadership training, as well as three staff training sessions (1 for manager and 2 for all staff) about what DEI is and how it affects our working lives. Five videos have been published on the [DEI website](#) and all members are encouraged to log in with your username and password on the ASHRAE website and view these resources.

B. Special Projects

David Yashar, Special Projects Chair, presented the report. The report is posted on Basecamp as *05B SpcProj_Report_to_TechC_2023_06_27.docx*. Special Projects is working through a spreadsheet of assigning tasks and recommended activities from the Global HVAC Summit report to appropriate committees within Technology Council and will continue editing the spreadsheet. These proposed assignments will continue into the coming society year, and Special Projects plans to have a final proposal for Tech Council consideration at the Fall 2023 meeting.

C. Document Review Subcommittee (DRSC)

Ashish Rakheja, DRSC Chair, presented the report. The report is posted on Basecamp as *05C-DRSC Rprt to TechC.23A.docx*.

It was moved as a consent motion by Mr. Rakheja that:

¹ Larry Smith voted no for the following reason: The motion is asking for the creation of a new web page which will contain a duplication of material already on the RBC's committee web page. He would suggest a more robust committee web page as an alternative. Wade Conlan voted no for the following reason: He does not think staff time and fiscal cost was detailed enough for the work requested. Also, he was not convinced the request would achieve their desire of more web traffic.

M2

DRSC recommends to Tech Council to recommend to Board Of Directors Ex-Com that the initiation of a revision of the *Climate Change* PD be approved.

BACKGROUND: The current PD ([Attachment 05C-A posted in Basecamp](#)) was last revised June 27, 2018, and a revision is necessary. TC 2.5 is working to develop a recommended chair and PD committee members for Tech Council consideration. A DRSC motion to reaffirm the current PD is included later in this report.

DRSC recommend to Tech Council to recommend to BOD Ex-Com that the initiation of a revision to the *Refrigerants and their Responsible Use* PD be approved with Dustin Lilya as chair of the PD committee.

BACKGROUND: The current PD ([Attachment 05C-B posted in Basecamp](#)) was last revised June 27, 2018, and a revision is necessary. REF-CPCC chair, Dustin Lilya, would assemble a PD committee for Tech Council consideration. A DRSC motion to reaffirm the current PD is included later in this report.

Tech C Vote: 13-0-0, CNV

It was moved as a consent agenda by Mr. Rakheja that:

M3

DRSC recommends to Technology Council that the *Indoor Air Quality* PD be reaffirmed.

BACKGROUND: This PD ([Attachment 05C-D posted in Basecamp](#)) was edited to get into the current position document format in the Tech Council Reference Manual and is scheduled to expire on July 1, 2023. References were also updated to show latest publication dates. The EHC motion passed 9-0-0 CV. This PD was sent to Tech Council June 7th.

DRSC MOTION PASSED: 7-0-0 CNV

DRSC recommends to Technology Council that the *Unvented Combustion Devices and Indoor Air Quality* PD be reaffirmed.

BACKGROUND: This PD ([Attachment 05C-E posted in Basecamp](#)) was edited to convert to the current position document format in Tech Council Reference Manual. The EHC motion passed 9-0-0 CV. This PD was sent to Tech Council June 7th.

DRSC MOTION PASSED: 7-0-0 CNV

DRSC recommends to Technology Council that the *Environmental Tobacco Smoke* PD be reaffirmed

BACKGROUND: This PD ([Attachment 05C-F posed in Basecamp](#)) was edited to convert to the current position document format in Tech Council Reference Manual and is scheduled to expire on July 1, 2023.

References were also updated to show latest publication dates. EHC motion passed 10-0-0 CNV. This PD was sent to Tech Council June 7th.

DRSC MOTION PASSED: 7-0-0 CNV

DRSC recommends to Technology Council that the *Climate Change* PD be reaffirmed.

BACKGROUND: This PD ([Attachment 05C-G posted in Basecamp](#)) was edited to convert to the current position document format in Tech Council Reference Manual and is scheduled to expire on July 1, 2023. A motion to initiate a revision was included earlier in this report.

DRSC MOTION PASSED: 6-0-0 CNV

DRSC recommends to Tech Council that the *Refrigerants and their Responsible Use* position document (PD) be reaffirmed for a period of two years.

BACKGROUND: This PD ([Attachment 05C-H posted in Basecamp](#)) is not in the current position document format in the Tech Council Reference Manual but is scheduled to expire on June 29, 2023. Co-cognizant committee, TC 3.1, passed a motion in Atlanta to reaffirm this PD as well. A motion to initiate a revision was included earlier in this report.

DRSC MOTION PASSED: 6-0-0 CNV

Tech C Vote: 13-0-0, CNV

It was moved by Mr. Rakheja that:

M4

DRSC recommends to Technology Council the appointment of the following *Human Health and Wellness in the Built Environment* PD Committee members:

- Nick Agopian, *Renewaire*
- Seema Bhangar, *USGBC*
- Nick Clements, *Univ. of Colorado*
- Carl Grimes, *Hayward Healthy Homes*
- Paula Levasseur, *LMF Services*
- Lan Chi Nguyen-Weekes, *La Cite, Applied Arts and Technology College*
- ~~Chris Pyke, *USGBC*~~
- Pawel Wargocki, *Univ. of Denmark*

BACKGROUND: Charlene Bayer was approved as chair of the PD committee on Feb. 8th. The ASHRAE bios are included as [Attachment 05C-J posted in Basecamp](#). The proposed committee is balanced according to Tech Council MOP (D2.4.4.15) The original DRSC motion included Chris Pyke, *USGBC*, who was replaced by Seema Bhangar, *USGBC*, in subsequent motions.

DRSC MOTION PASSED: 6-0-0 CNV

Tech C Vote: 13-0-0, CNV

6. **STANDING COMMITTEE REPORTS**

A. **Standards Committee (StdC)**

It was moved by Wade Conlan, and seconded by Tyler Glesne that:

M5

Standards Committee recommends to Technology Council that ASHRAE jointly sponsor ASHRAE Guideline 43, *Operations Guideline for Ventilation of Health Care Facilities*, with ASHE (American Society for Health Care Engineering) and ASHRAE as the lead cosponsor following ASHRAE's ANSI development procedures.

StdC Vote: 22-0-0, CNV

Background: SSPC 170 Committee approved the ASHRAE/ASHE joint publication of proposed Guideline 43.

Tech C Vote: 13-0-0, CNV

It was moved by Wade Conlan and seconded by Tyler Glesne that:

M6

Standards Committee recommends to Technology Council that ASHRAE jointly sponsor ANSI/ASHRAE Standard 140, *Method of Test for Evaluating Building Performance Simulation Software*, with IBPSA, *International Building Performance Simulation Association*, and ASHRAE as the lead cosponsor following ASHRAE's ANSI development procedures.

StdC Vote: 22-0-0, CNV

Background: SPC 140 committee approved the ASHRAE/IBPSA joint publication due to international work and cosponsoring of other standards.

Tech C Vote: 13-0-0, CNV

Susanna Hanson highlighted the following other items of interest from the report posted on Basecamp as *06A StdC Report to TC Annual Meeting June.docx*:

1. Appeals Updates/Formal Complaints: ASHRAE received multiple appeals relating to ANSI/ASHRAE Standard 62.2 proposed addendum j. An Appeals Panel was formed, the panel reviewed all submitted appeals and a rebuttal of the appeals from the Standing Standard Project Committee Chair. Based on the evidence presented the Appeals Panel determined that all the appeals would be dismissed. The appellants have filed a claim with ANSI and Staff is in the process of working with the

Chair of SSPC 62.2 to develop the rebuttal statement. The deadline is July 10, 2023.

2. The Board of Directors approved a new standing committee, Global Technical Interaction Committee (GTIC). Standards Committee will work in collaboration with GTIC members (once appointed) to review procedural documents and identify specific roles and responsibilities for each committee.
3. Standards Committee developed the Project Committee Interactive Venue (PCIV). The objective of this PCIV venue is to provide a venue where Project Committee representatives can openly discuss their future goals and objectives with other Project Committees for the purpose of coordinating similar or like subject topics for each Project Committee's standard(s) or guideline(s). Earlier this month, SSPC 90.1 and SSPC 189.1 had a meeting that resulted in positive outcomes. Additionally, there were some process-related inquiries that might necessitate future amendments to our procedural documents.

B. Research Administration Committee (RAC)

Omar Abdelaziz, Chair of RAC, presented the report. The report is posted on Basecamp as *06B_RAC Report to TechC.pdf*.

Mr. Abdelaziz highlighted the following information item:

1. RAC approved the award of tentative research project **1869-TRP**, Evaluation of VOCs with Respect to Development of Revised Standard 62.1 Indoor Air Quality Procedure (IAQP) Design Compounds and Design Limits.

C. Technical Activities Committee (TAC)

Craig Messmer, the Chair of TAC, presented the report. The report is posted on Basecamp as *06C-TAC Rprt to TechC.23A.docx*.

Mr. Messmer highlighted the following information item:

1. TAC approved formation of a new MTG.BEQ, Building EQ, with the following scope

MTG.BEQ will be responsible for the technical development, business development, planning, training, and marketing of programs for the Building EQ enterprise. Responsibilities include suggestions for research, development, and presentation of technical programs of all types on Building EQ and special publications detailing aspects of the Building EQ program.

D. Environmental Health Committee (EHC)

Nick Clements, the Chair of EHC, presented the report. The report is posted on Basecamp as *06D-EHC Rprt to TechC.23A.docx*.

Mr. Clements highlighted the following information items:

1. EHC formally approved the report to Technology Council on Recent Trends in Environmental Health (**Attachment 06D-A in Basecamp**). This annual report is prepared to inform ASHRAE leadership of current trends and future issues that would be of interest or impact to ASHRAE membership. It lists recent trends and research needs related to environmental health that impact the HVAC&R industry.
2. EHC formed a subcommittee to review Rules Of the Board(ROB) 1.201.004.9 and expects to recommend changes to the ROB to reduce or eliminate the need for granting waivers for ASHRAE work that may not meet the requirements described in the ROB.
3. EHC's subcommittee responsible for the development of a summary report with recommendations from the Epidemic Task Force (ETF) is nearly complete with their work and will issue a report shortly.
4. ASHRAE continues to participate in the Indoor Environmental Quality-Global Alliance (IEQ-GA) with Corey Metzger as the ASHRAE representative. The IEQ-GA is now finalized as a legal entity and operates with 11 full member organizations (ACGIH, AICARR, AIHA, AIVC, ASA, ASHRAE, FAIAR, FEDECAI, IICRC, ISHRAE, REHVA). The IEQ-GA has held webinars, podcasts and is planning a publication. All are invited to listen and participate.

E. Refrigeration/CPCC (REF-CPCC)

Dustin Lilya, the Chair of REF-CPCC, presented the report. The report is posted on Basecamp as *06E_REF Report to TechC 06-25-23.docx*.

Mr. Lilya highlighted the following information items:

1. REF-CPCC has reduced the number of sub-committees to 5 and assigned strong chairs to each sub-committee for the next Society Year. A set meetings schedule has been created that has standing times the first week of October and first week of April for the sub-committee meetings to take place.
2. Ref-CPCC would like to thank everyone for supporting the World Refrigeration Day (June 26th 2023) and its theme of Next Generation Cooling.

F. Residential Building Committee (RBC)

Bill Healy, the Chair of RBC, presented the report. The report is posted on Basecamp as *06F_RBC_Report_to_TechC_2023-06-28_Final_v3.docx*. The following information item was highlighted:

1. Residential Buildings Committee (RBC) is conducting strategic planning sessions to develop a 5-year MBO plan with goal of providing more

consistency for completing MBO goals as members change over time. Two sessions were held on April 3, 2023, and May 24, 2023.

Secretary's Note: RBC was reminded that the Society is working on a new Society Strategic plan and RBC should watch for that and be ready to revise its goals when its released.

7. SPECIAL COMMITTEE/LIAISON REPORTS

A. Government Affairs Committee (GAC) Liaison Report

Christopher Phelan, GAC Liaison, presented the report. The report is posted on Basecamp as *07A_Tampa GAC Report to Tech Council.pdf*. The following information items were highlighted:

1. Thank you! Thank you for your work in developing important technical resources to make buildings more sustainable and healthy. ASHRAE resources are in demand by government entities, and we appreciate all you do in your developing technical resources. **If Tech Council has new resources that it wants GAC to advocate for, please let the GAC know** (through your staff liaison would work best, or send email to GovAffairs@ashrae.org.) Thank you!
2. Government Outreach Events (GOE): The GAC set a goal of 125 Government Outreach Events to be held during Society Year 2022 – 2023. The GAC has held **131 events** as of June 21, 2023. The total to date includes 7 city/local events, 53 state events, 33 U.S. federal events, and 38 global events. GAC and other ASHRAE members are to be commended for this 16% increase to date in events from the previous Society Year, in which 113 events were held. It is also important to note that many of these events were held in-person, and some were multi-meeting, multi-day events. The total number of meetings associated with these events was **260 meetings**, at which **281 government officials** were engaged.
3. Public Policy Issue Briefs: The GAC has finalized 10 updated PPIBs, which addressed comments received from the Tech Council Document Review Subcommittee this spring. Thank you to the DRSC for your review and comment! The updated PPIBs are listed below, and will be posted online here on July 1, 2023.
 1. Building Decarbonization
 2. Building Energy Benchmarking, Assessments, and Performance Targets
 3. Climate Change and the Built Environment
 4. Consensus Standards: Expert Solutions to Meet Global Needs
 5. Environmental Tobacco Smoke and Electronic Nicotine Delivery Systems
 6. Indoor Air Quality
 7. Indoor Carbon Dioxide, Ventilation and Indoor Air Quality
 8. Refrigerants and their Responsible Use
 9. Resiliency in the Built Environment
 10. STEM Education & HVAC&R

4. Standards and Codes Implementation and Enforcement – Funding: Government Affairs is pursuing funding from two new sources:
- Infrastructure Investment and Jobs Act (IIJA) - \$225 Million for Resilient and Efficient Codes Implementation
 - Statute specifically names SDOs and Professional Organizations as eligible partners
 - ASHRAE is an applicant on 5 proposals, one of which it is leading with a requested amount of \$9.2 million. One component of this project would be updating resource guides for code officials on Standard 90.1.
 - Inflation Reduction Act: \$1 Billion for the Latest and Zero Building Energy Code Adoption
 - \$330 Million for 90.1-2019 and 2021 IECC
 - \$670 Million for Zero-Energy Codes including the 2021 IECC

B. Finance Liaison Report

Ms. Maston reported that the draft budget has been presented. Bill McQuade will be taking over as Treasurer and Ms. Maston will continue to serve on the Finance Committee.

C. Society Planning Liaison Report

Wade Conlan reported that planning for the next Strategic Plan has started, where they are looking at a three-year plan instead of a five-year. The Planning committee has created a new subcommittee, which is led by Dunstan Macauley and Devin Abellon.

Technology Council through the efforts of the Operations Subcommittee is the only body to have submitted input toward the Strategic Plan. Mr. Conlan reminded everyone that it is part of the Rules of the Board for all standing committees and councils to provide input on the current Strategic Plan annually.

D. Society Rules Committee

This year, SRC consolidated the ROB from four volumes to two. Additionally, Larry Smith has been working on editing the Tech Council MOP, taking large portions of information and moving it to the Reference Manual. Mr. Smith is taking the MOP back to the subcommittee to rewrite and add information from Society Rules Committee.(SRC)

A. DEI

Steve Sill reported that all MBOs for DEI are complete with the exception of one: recommending publication and showcasing the work of inspirational HVAC&R

engineers from underrepresented groups. Mr. Sill highlighted that DEI has completed training for the Board of Directors and staff. This included three staff training sessions and two BOD training sessions. Additionally, there are 5 videos published online: “DEI Foundations”, “Understanding Implicit Bias & Unconscious Bias”, “Equality and Equity”, “Micro-aggressions” and “Cultural Competency.” Please view the videos in your free time.

B. Task Force on Building Decarbonization (TFBD)

Luke Leung provided updates on the TFBD activities. Mr. Lueng indicated that Toronto has a new embodied carbon code that starts driving the envelope and structure, but there isn't enough information for MEP.

The TFBD has 7 guide in development, the Building Performance Standards has already been published and six more guides are slotted to be published this Society year. President Ginger Scoggins has given the TFBD one additional year to complete the guides, educational plans and develop a transition plan for remaining work.

The TFBD will be focusing on educating people to prepare a different future of different thinking. The goal is to educate people on a future that has 10 billion people putting stress on the environment. TFBD is working to make a liaison between them and TAC. Additionally, a movement called MEP2040 will be moving into the ASHRAE umbrella initially under the TFBD. Research needs to start focusing on embodied carbon to provide more information on the subject. Refrigerant leakage is another topic that research needs to be working to fix.

Wade Conlan brought up that a number of different individuals from technical committees and project committees have expressed concern over TFBD's “reach into their sandbox,” in terms of what's going on with their documents, standards, and codes.

8. NEW BUSINESS

- A. Addition of Global Technical Interaction Committee, BOD Approved Change of Voting Membership, and Streamlining

GTIC will be a new subcommittee under Technology Council starting July 1, 2023. Additionally, starting next society year, standing chairs of committees reporting to Technology Council will be voting, which will help in streamlining efforts.

- B. Gas Stoves

The Board of Director requested that Technology Council take on the subject of gas stoves. Since the headlines have been about residential gas stoves and the implications for human health, the goal is to put this under EHC and TAC.

Nick Clements stated that there have been good discussions about this subject within EHC. The committee already has been discussing revising the ASHRAE Position Document on Unvented Combustion Devices and Indoor Air Quality. EHC will work with Paul Francisco for a potential revision to the PD.

A1 An action item was assigned to EHC to connect with Paul Francisco and other standing committees who have stated an interest in being involved in the revision of the Unvented Combustion Devices and Indoor Air Quality PD.

C. DAL Nomination

Ms. Matson brought up for consideration that Tech Council submit Director At Large (DAL) nominations. There has been discussion on providing an alternate path for DAL nominations through Tech Council. DALs represent the tech side of things and usually have experience in committees within Tech Council or Pub and Ed Council. Currently, nominations for Das are done in the regions, which may not be the most effective. Sometimes regions don't know who is qualified for DAL, and sometimes the person nominated does not represent the region. Tech Council and Pub and Ed Council may have a better understanding of who should be DALs.

A nonbinding straw poll was taken of voting and non-voting Tech Councils members on the idea of putting forth council nominations for DAL. All in the room were in favor of the idea.

D. Equity in Decarbonization

Mr. Francisco brought up the concern and issue of ASHRAE addressing equity in decarbonization in its documents. There was support in the idea that there are communities that need to be provided with low cost means to decarbonize.

9. THANKYOU/WELCOME

A. Thank Council Members Rolling Off

Ms. Maston thanked all the members that were completing their terms on Tech Council.

B. Presentation of Certificates

Outgoing members were thanked for their service and presented with their certificates.

C. Welcome Incoming Members

D. Mr. Rakheja welcomed the new members.

E. MBOs for 2023-2024 Society Year – Rakheja

Mr. Rakheja presented his draft MBOs for the 2023-2024 Society year. These can be found on Basecamp in the MBO folder as *Tech Council Chair MBO 2023-*

24.xlsx.

10. EXECUTIVE SESSION

There was no business for Executive Session.

11. NEXT MEETING

A. OPS meeting MBO review

A doodle poll will be sent to the incoming OPS members for a fall meeting that will include review of MBOs.

B. Tech Council Training Session – Rakheja

The training session for incoming members has been set for July 10, 2023. All members should have received a calendar invite.

C. Fall Meeting - Rakheja

The Tech Council Fall meeting has been set for Monday, October 9, 2023. All members should have received a calendar invite.

D. Tech Council will meet on Wednesday, January 24th, at the Winter Conference in Chicago, Illinois.

12. ADJOURN

The meeting was adjourned at 11:23 am EST.