



MINUTES
BOARD OF DIRECTORS MEETING

TORONTO, ON
Sunday, June 26, 2022

Approved by the Board of Directors on August 15, 2022.

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Sunday, June 26, 2022

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PRINCIPAL APPROVED MOTIONS

Board of Directors Meeting

Sunday, June 26, 2022

No. - Pg.	Motion
1 – 4	Technology Council recommends that the ASHRAE position document on building decarbonization be approved.
2 – 6	Finance Committee recommends to the Board of Directors that the 2022-23 draft budget for the General Fund, inclusive of council budgets, showing a deficit of \$29,100 be approved.
3 - 6	Finance Committee recommends to the Board of Directors that the 2022-23 draft budget for the Research Fund showing total revenues and expenses of \$3,832,600 be approved.
4 - 7	Finance Committee recommends to the Board of Directors that they approve a discretionary capital expenditure budget of \$200,000 for fiscal year 2022-23.
5 - 7	An additional \$1.285 million be made available to complete the ASHRAE decarbonization projects per the three-year Task Force for Building Decarbonization budget attachment with funding coming from money not yet transferred to reserves with any additional money coming from general reserves and that any unused money each year roll to the next Society year budget.
6 – 8	The Executive Committee recommends to the Board of Directors that the Public Policy Priorities (ATTACHMENT A) for Society Year 2022-23 be approved.
7 - 8	Planning Committee recommends to the BOD that ROB Section 2.416 regarding the Planning Committee be revised as presented in ATTACHMENT B.
10 – 10	MOTION 7 be called to question.



MINUTES
BOARD OF DIRECTORS MEETING

Sunday, June 26, 2022

MEMBERS PRESENT:

Mick Schwedler, President
Farooq Mehboob, President-Elect*
Ginger Scoggins, Treasurer
Don Brandt, Vice President*
Dunstan Macauley, Vice President
Sarah Maston, Vice President
Tim McGinn, Vice President
Jeff Littleton, Secretary
Steven Sill, Region I DRC
Ronald Gagnon, Region II DRC
Mark Tome, Region III DRC
Steve Marek, Region IV DRC
Doug Zentz, Region V DRC*
Rick Hermans, Region VI DRC
Chris Gray, Region VII DRC
Randy Schrecengost, Region VIII DRC

Tyler Glesne, Region IX DRC
Devin Abellon, Region X DRC
Eileen Jensen, Region XI DRC
Robin Bryant, Region XII DRC
Apichit Lumlertpongpana, Region XIII DRC*
Andres Sepulveda, Region XIV DRC
Richie Mittal, RAL DRC
Kelley Cramm, DAL
Wade Conlan, DAL
Dru Crawley, DAL
Ken Fulk, DAL
Art Giesler, DAL
Jaap Hogeling, DAL
Kishor Khankari, DAL
Adrienne Thomle, DAL
Ashish Rakheja, DAL*

GUESTS PRESENT:

Dennis Knight
Billy Austin
Bryan Holcomb
Jim Arnold
Susanna Hanson
John Constantinide
Cheng Wee Leong
Blake Ellis
Luke Leung
Kevin Frega
Adrienne Mitani
Frank Mills
Chad Smith
Scott Peach
Joe Chin
Amir Suliman
Rachel Romero
Kevin Marple
Eduardo Maldonado
Dan Pettway
Hywel Davies

Carrie Brown
Mahroo Eftekhari
Katherine Hammack
Sheila Hayter
David Underwood
Tom Phoenix
Dimitris Charalambopoulos
Tim Wentz
Ron Jarnagin
Bill Harrison
Elli Cloyd
Jim Wolf
Tom Watson
Bill Bahnfleth
Bjarne Olesen
Don Colliver
Kent Peterson
K. William Dean
Mark Miller
Tim Dwyer
Ruth Carter
Lilia Sanmiguel*
Jeanette Hay*

Darryl Boyce
Greg Fluter
Jeff Hurd
Lumbros Doulos
Bill Klock
Carrie Anne Monplaisir
Christine Reinders-Caron
Larry Kouma
Carl Huber
Jim Edelson
Kim Cheslak
Diana Burk
Julia Keen
Bill McQuade
Rob Craddock
Doug Cochrane
Kevin Edstrom
Randall Higa
Ian Cavanaugh
Lambros Doulos
Keiron Nanan*
Siva Gadam*

Kara Brooks
Douglas Fick
Heather Platt
Gulledge
Trent Hunt
David Griffin II
Luca Alberto Pitera
Filippo Busato
Juliana Pellegini
Luiz Piccoli
Sherry Abbott-Adkins
Craig Messmer
Krishnan Viswanath
Aakash Patel
Osama Khayata
Bassel Anbari
Ahmed Alaa Eldin
Niss Feiner
Pat Marks
Harshal Surange
Larry Fisher
Stet Sanborn

Chris Phelan
Michael Patton
Kevin Baldwin
Marelle Paas-OBrock
Courtney Araiza
John Harrod
Clay Nesler*
Money Khanna*
Chandra Sekhar*
Steph Kunkel*
Bill Walter*
Beth Tomlinson*
Jacqueline Hay*
Van Baxter*
Abdul Rehman*
Veronica Zambrano Morales*
Chea Swei Keong*
Mohamed Yassein*
Joshua Vasudevan*
Vinod Venugopal*
Donald Hay*
Kc Ng*

*Indicates Virtual Attendee

STAFF PRESENT:

Candace DeVaughn, Manager - Board Services
Chandrias Jolly, Assistant Manager - Board Services
Joyce Abrams, Director - Member Services
Vanita Gupta, Director - Marketing
Kim Mitchell, Chief Development Officer
Mark Owen, Director - Publications & Education
Stephanie Reiniche, Director - Technology
Alice Yates, Director - Government Affairs
Craig Wright, Director of Finance

Matt Young, Mgr. – Federal Govt. Affairs
Emily Porcari, Mgr. – State & Local Govt. Affairs
Brian Unrein, IT Manager
Kristin Pilot, Development Manager
Margaret Smith, Development Mgr. - Foundation
Isla Kennedy, Govt. Affairs Coord./Project Mgr.
Tony Giometti, Sr. Mgr. – Conference Programs
John Falcioni, Editor – ASHRAE Journal
Lizzy Seymour*, Mgr. – Conference Services

CALL TO ORDER

Mr. Schwedler called the meeting to order at 1:30 pm.

CODE OF ETHICS

Mr. Schwedler read the code of ethics commitment and advised that the full code of ethics statement and core values are available online.

LAND ACKNOWLEDGEMENT

Mr. Schwedler read the Toronto Chapter's land acknowledgment statement.

ROLL CALL/INTRODUCTIONS

Roll call was conducted. Members, guests, and staff were in attendance as noted above.

REVIEW OF MEETING AGENDA

Mr. Schwedler reviewed the meeting agenda. There were no changes.

APPROVAL OF MINUTES

The open session minutes from the January 30, 2022, February 2, 2022, April 6, 2022, and May 9, 2022 meetings were approved by acclamation with no changes.

REVIEW OF ACTION ITEMS**FEBRUARY 2, 2022**

All action items were reported as complete

OPEN SESSION – ADDRESSES TO THE BOARD OF DIRECTORS

No written comments were submitted.

A summary of comments to the BOD are below:

Dan Pettway – Life Member, DRC 06-09, VP 12-14, ESA

Mr. Pettway stated that he is part of a group of experienced, senior ASHRAE Members. The group loves ASHRAE and meets to talk once a week about issues impacting the industry and Society.

He provided information regarding Society streamlining options to this group and there was a good discussion of Option C.

He spoke in favor of Option A – no changes. He expressed his opinion that he did not have enough information on the other options to speak for or against them.

Streamlining changes should be driven from the bottom up. He also expressed that the strategic mission of ASHRAE is the responsibility of the Planning Committee.

Mr. Pettway provided the following recommendations regarding potential streamlining efforts – eliminate duplication of DRC and RMCR; address problems on the technical side where the minority can tie up technical issues for years; decide on ANSI or ISO and develop a new business model for standards; empower the councils; concentrate on engaging the membership to get support and volunteers.

He stated that there was a unanimous vote at his CRC to not make any changes to the structure of the Society. He encouraged the BOD to listen to the members. He expressed that this was a very important topic and one that was in the BOD's hands.

Jim Wolf – Presidential Member, Think Tank Chair

Mr. Wolf expressed concerns with the position document on building decarbonization. The draft document was approved on April 19 by the TFBD and he received access on accident. Mr. Wolf expressed his concerns with the document to the committee chair at that time.

He expressed his concern with the statement of ASHRAE's position and expressed offense at the position as a member and building owner.

He suggested that the following statement on page ten of the PD be changed as follows:

“... by 2030 the global built environment ~~must~~ needs to have its 2015 GHG emissions ...”

He stated that the BOD has the authority to make this change and expressed his hope that the BOD does so.

Ruth Carter, CEO CIBSE

Ms. Carter offered her greetings to Society on behalf of CIBSE. She thanked Mr. Schwedler and all of Society for the exceptionally warm welcome.

She stated that this was her first ASHRAE gathering. The relationship between CIBSE and ASHRAE isn't what it used to be; it is stronger.

David Underwood, Presidential Member

Mr. Underwood stated that he looked at the options being circulated amongst the BOD in terms of streamlining. He encouraged the BOD to consider the latest core value and ensure that DEI is considered when any new Society groups are developed. He stated that this is not the case with what he has seen thus far.

TASK FORCE FOR BUILDING DECARBONIZATION

SY 2021-22 TFBD FINAL REPORT

Mr. Phoenix reported that the group's final report is attached to the agenda. He thanked the BOD for the opportunity to put ASHRAE ahead of the train. He expressed his opinion that Society has done a good job pushing forward.

Mr. Colliver reported that the final report is submitted on behalf of the over 140 members who participated in the multiple working groups. He thanked the BOD for their support. He reported that information items were included in the report for the BOD's review.

He stated that the PD on building decarbonization is a critical statement and will allow Society to move forward very quickly.

He reported that next year's task force will focus on adding a chapter on building decarbonization to the handbook as well as updating a number of other documents and items to include decarbonization.

Mr. Schwedler thanked Mr. Phoenix and Mr. Colliver as well as the entire TFBD for their work.

BUILDING DECARBONIZATION POSITION DOCUMENT

Mr. McGinn moved that

1. Technology Council recommends that the ASHRAE position document on building decarbonization be approved.

Mr. Hermans stated that he was the abstention in the vote from Tech Council. He stated that he has thought about his issues quite a bit since that time. He stated that his issue was with cold climates and his belief that there is a role for fossil fuels in cold climates. He spoke in favor of the motion.

Mr. Khankari spoke in favor of the motion. He stated that placing this PD on the website will not serve its real purpose. He suggested that Society take the document directly to other organizations to show leadership. He suggested that other groups in Society could take the PD to Society's sister organizations.

Mr. McGinn reported that PDs are normally fodder for other documents. He reported that in this particular case there was a sense of urgency to get this PD developed. He stated that new information can be incorporated at a later time.

Mr. Hogeling spoke in favor of the motion. He stated that targets mentioned in the motion are in line with discussions currently taking place in Europe. He expressed thanks at Society for listening to the world's sentiment in developing this document.

MOTION 1 PASSED (Unanimous Voice Vote, CNV).

Mr. Schwedler thanked all members who worked on this PD.

SY 2022-23 TFBD STRATEGY AND BUDGET REQUEST

Mr. Peterson stated that if he has ever seen leadership and strategy, it is in the motion that was just passed.

He stated that leadership needs to use volunteer resources wisely. Society needs to fill the gaps with what Society excels at.

The task force is not the ultimate solution and a permanent home for this work is being investigated. The intent is for the TFBD to not exist after another year.

Mr. Peterson stated that a plan, budget, and an identification of Society's leadership position was needed.

The BOD can expect recommendations from the TFBD at the Winter Meeting in Atlanta.

He reported that the goal is to get action as it relates to carbon neutrality. How can Society best get this information out to the marketplace? Society will likely not be the only avenue to get that information out.

There are six key guides that need working groups. The goal is to get the guides to the marketplace and conduct training. Some courses will be three-day training courses.

Outreach will be conducted by the TFBD via the website and social media. Outreach will build on the recently approved PD.

He expressed that time is of the essence. Ms. Scoggins will present a motion for the BOD's consideration following the Treasurer Report.

Mr. Peterson was asked to clarify who would continue the work of the group after July 2022. He responded that some of the task forces' work will continue into Society Year 2022-23, with the majority of the work being completed in the first half of the year. He reported that the task force is working to populate working groups with TC members.

He reported that the Foundation is meeting Monday and the task force will be making a funding request. If the Foundation approves the request, it would reduce the request from the BOD. The group will also be pursuing funding from DOE.

Mr. Olesen expressed his opinion that global partnerships are missing from this discussion. He stated his opinion that this presentation would not sell well outside of North America.

Mr. Hermans expressed agreement with the idea of interfacing with the TCs.

REPORT OF THE TREASURER

SY 2021-22 FINANCIAL STATUS AND SY 2022-23 BUDGET PRESENTATION

Ms. Scoggins reported that the presented update was as of the end of May. She reported that Society will end the year in a deficit but that does not include any below the line items.

She reviewed revenue trends.

FINANCE COMMITTEE REPORT AND SY 2022-23 BUDGET APPROVAL

Ms. Scoggins summarized revenues and expenses for Society Year 2021-22. The budget shows a deficit of \$29,000, which does not include non-recurring income sources. When those non-recurring income sources are considered, the Society has a surplus budget.

She reviewed the BOD approved items approved in and since the Las Vegas meeting.

She reported that the reserve fund budget always equates to zero.

Mr. Mehboob stated that in the financial comparison, assets have gone down but there is an increase in net assets. Why are net assets up and total assets down?

Ms. Scoggins responded that the building has depreciated and created this change.

Mr. Wright added that from an asset perspective, contributions are expected over the next six years and that balance decreased by almost \$1 million from one year ago. This is probably the biggest reason for the decline.

Mr. Mehboob asked how salaries decreased by \$500,000. Ms. Scoggins responded that Society experienced higher turnover than anticipated in the budget.

Mr. Mehboob asked what the value of items stored at Iron Mountain is.

Mr. Wright stated that the expense to end the contract with Iron Mountain is included in the budget. He reported that Society will be done with Iron Mountain by the end of the year.

Mr. Littleton reported that the materials that are stored at Iron Mountain are offsite records. The challenge is that the cost of extricating ourselves from Iron Mountain will be quite expensive. Thousands of boxes have accumulated over 20-30 years; staff is currently going through them and ensuring that we are meeting legal obligations. In addition, a small capital investment is also required to set up shelving at headquarters. The value of the items at Iron Mountain is very low but the cost to get rid of those items is very high.

Mr. Giesler reported that the Historical Committee has expressed an interest in some of the items at Iron Mountain. He recommended that the Historical Committee be involved in the review of those items.

Ms. Scoggins moved that

2. Finance Committee recommends to the Board of Directors that the 2022-23 draft budget for the General Fund, inclusive of council budgets, showing a deficit of \$29,100 be approved.

There was no discussion of the motion.

MOTION 2 PASSED (Unanimous Voice Vote, CNV).

Ms. Scoggins moved that

3. Finance Committee recommends to the Board of Directors that the 2022-23 draft budget for the Research Fund showing total revenues and expenses of \$3,832,600 be approved.

There was no discussion of the motion.

MOTION 3 PASSED (Unanimous Voice Vote, CNV).

Ms. Scoggins moved that

4. Finance Committee recommends to the Board of Directors that they approve a discretionary capital expenditure budget of \$200,000 for fiscal year 2022-23.

There was no discussion of the motion.

MOTION 4 PASSED (Unanimous Voice Vote, CNV).

Ms. Scoggins reported that the headquarters' building loan and PV systems have been paid off. The reported cash reserves reflect the balance after paying off these loans.

Ms. Scoggins moved and Mr. McGinn seconded that

5. An additional \$1.285 million be made available to complete the ASHRAE decarbonization projects per the three-year Task Force for Building Decarbonization budget attachment with funding coming from money not yet transferred to reserves with any additional money coming from general reserves and that any unused money each year roll to the next Society year budget.

Ms. Scoggins reported that in January, the Board approved a \$550,000 transfer from the General Reserve Fund to implement recommendations to the Board, used to support education, publications, and communication on building decarbonization. None of that money has been spent pending a complete ASHRAE decarbonization plan.

The TFBD deliverables and activities in the TFBD plan and attachment requires additional funds. TFBD ExCom will work with ASHRAE leadership and staff to pursue potential funding and co-funding for these activities that could lower the ASHRAE investment. A request to offset costs on standards expediting is being submitted to the Foundation in the amount of \$125,000 to offset standards development costs. There is also a motion currently making its way through the process that will add a cosponsor to the Standard that could also reduce standards expediting costs.

The fiscal impact will be \$423,000 in 2022-23, \$596,000 in 2023-24, and \$257,000 in 2024-25.

Mr. Ellis spoke in favor of the motion. He stated that he is currently a member of the Planning Committee and how to respond to climate change was the leading topic members wanted more information about.

He stated that the 2/3 rule is intended to keep Society from just keeping money in the bank. Society has a number of un-invested reserves. He stated that Society has the money and rules that say we must spend it.

Mr. Glesne spoke in favor of the motion, generally. He stated that there is a 20% contingency in the cost. Would the allocation year to year be short or long of the TFBD's life span?

Ms. Scoggins responded that the contingency is there because the total cost is not known at this point. The money needs to roll because things may be started in one Society year and not finished. Society does not currently have the money, but it will come from our headquarters' donor over the next seven years.

Mr. Mehboob spoke in favor of the motion. He expressed his opinion that Society needs to catch up and maintain our global position as the body of excellence. He stated that the motion is conservatively projected.

Mr. Conlan spoke in favor of the motion. He stated that the motion calls for a large investment. Is there a plan for how this will be monitored and successfully implemented?

Ms. Scoggins responded that the Finance Committee will have a tracking effort next year to monitor these funds.

MOTION 5 PASSED (Unanimous Voice Vote, CNV).

Mr. Schwedler commended the BOD for the work already done and moving forward.

COMMITTEE REPORTS

EXECUTIVE COMMITTEE

MAY 10, 2022

Mr. Schwedler reported that there are no recommendations for the BOD's consideration.

He reported that ExCom approved a motion allowing Society Officers to use accrued American Express points, at their discretion, at the end of their service.

There were no objections to ExCom's decision.

JUNE 25, 2022

Mr. Schwedler moved that

6. The Executive Committee recommends to the Board of Directors that the Public Policy Priorities (ATTACHMENT A) for Society Year 2022-23 be approved.

There was no discussion of the motion.

MOTION 6 PASSED (Unanimous Voice Vote, CNV).

PLANNING COMMITTEE

Mr. Klock thanked the Planning Committee's subcommittees for all their hard work. He extended a special thanks to staff liaison Ms. Jolly for all her hard work.

Mr. Macauley moved that

7. Planning Committee recommends to the BOD that ROB Section 2.416 regarding the Planning Committee be revised as presented in ATTACHMENT B.

Mr. McGinn asked for clarity on how long each Director was to serve on the committee.

Mr. Klock responded that the intent was that they be one-year appointments.

Mr. Littleton stated that they would have to be one-year terms because of the reference to four first year Directors.

Mr. Mehboob asked for clarification on consultants serving on the committee.

Ms. Thomle stated that there can be consultants and if so, they would be first-year directors or other directors could be added.

Mr. Giesler moved and Mr. Marek seconded that

8. Section C of MOTION 7 be amended as shown below:

C. Non-voting members include

1. the Executive Vice President,

2. one (1) Staff Director,

3. At least four (4) first-year Directors ~~and Consultantants~~ Consultants as assigned by the President Elect.

~~a. Other Consultants~~

Mr. Gray spoke against the amendment. He stated that the proposed amendment makes no meaningful change.

Mr. Mehboob spoke against the amendment. He stated that the change increases the size of the Planning Committee.

Ms. Jensen spoke against the amendment. She stated that the proposed amendment removes flexibility that was intended in the original motion.

Ms. Hanson asked if this change will have to be reconsidered if proposed streamlining efforts are approved.

MOTION 8 FAILED (Voice Vote, CNV).

Discussion of the original motion resumed.

Mr. Marek spoke in favor of the motion. He stated that there are no stated terms of service, but they are intended to be three-year terms.

Ms. Scoggins asked what this motion is trying to solve.

Mr. Klock stated that some of the changes are in response to requests from the 2030 group.

Mr. McGinn spoke against the motion. He stated that he was not sure that the proposed changes solve a lot. He suggested that it might be best to appoint outgoing members so they can share their wisdom. He suggested that changes wait until streamlining efforts are finalized to make substantive changes to the Planning Committee.

Mr. Mehboob stated that one year from now it is possible that there won't be four first-year Directors. He suggested that the proposed edits have not been thought out thoroughly.

Mr. Schwedler stated that consultants are appointed for one-year and would roll off the committee after the first year.

Mr. Klock stated that it is preferred that first-year Directors serving as consultants be struck if the motions is going to be voted down so that the committee can move forward operationally.

Ms. Scoggins moved and Mr. Hermans seconded that

9. Section C of MOTION 7 be amended as shown below:

C. Non-voting members include

1. the Executive Vice President,

2. one (1) Staff Director,

3. and ~~Consultants~~Consultants as assigned by the President Elect.

~~a. At least four (4) first-year Directors~~

b. Other Consultants

Mr. Gray, Ms. Bryant, and Mr. Giesler spoke against the amendment.

Mr. McGinn stated that the Planning Committee often hires outside consultants to assist with Strategic Plan development.

Mr. Crawley spoke against the amendment. He stated that 'Other Consultants' was redundant.

MOTION 9 FAILED (Voice Vote, CNV).

Mr. Hermans moved that

10. MOTION 7 be called to question.

MOTION 10 PASSED (Voice Vote, CNV).

MOTION 7 PASSED (16:13:0, CNV).

RECOGNITION OF OUTGOING CHAIRS

Mr. Schwedler recognized outgoing chairs Mr. Fulk, Mr. Risley, Mr. Wolf, Ms. Scoggins, Mr. Boyce, Mr. Klock, Mr. Wentz, and Mr. Fick for their service.

EXECUTIVE SESSION

Executive session was called at 4:13 pm.

Open session reconvened at 4:48 pm.

NOMINATING COMMITTEE

Mr. Boyce reported that the Nominating Committee had no recommendations for the BOD's consideration.

He reviewed the committee's information items.

AUDIT COMMITTEE

Mr. Fulk reported that the Audit Committee had no recommendations for the BOD's consideration.

He reviewed the committee's information items.

BUILDING EQ

Mr. Constantinide reported that the operational carbon metric was in place. He thanked the BOD for the investment and reported that the metric has been added online.

He reported that the headquarters building score and carbon score were both zero.

PRESIDENTIAL AD HOC COMMITTEE AND TASK GROUP REPORTS**HQ BUILDING AD HOC**

Mr. Boyce reported that the headquarters building is pretty much finished. There was an issue with the DOAS that is being worked on and is expected to be done shortly. He reported that a number of submeters were installed and are currently being integrated.

An IT company has proposed a lighting system of thin PV. It has been installed and is currently providing information on usage.

He reported that the group is working to understand the intelligence of the building. Proposals have been received that would enhance the intelligence of the building.

Mr. Leung stated that it would be great to start thinking about how much refrigeration goes into the system and track that. Would be good to start tracking so that information can be reported to the industry to show that Society is walking the talk.

Mr. Boyce reported that the digital twin organization is developing maintenance management to help the group better understand the systems and effectiveness.

DECARBONIZATION THINK TANK

Mr. Wolf reported that the Think Tank accomplished its goal of coming up with the 'big idea.' The TFBD is moving into a new phase and it is time to integrate the 'big idea' into the Task Force.

He reviewed the group's full report.

RECOGNITION AND REMARKS FROM OUTGOING BOD MEMBERS

Outgoing BOD members Mr. Lumlertpongpana, Mr. Zentz, Mr. Marek, Ms. Bryant, Mr. Hogeling, Ms. Cramm, Mr. Hermans, Mr. Brandt, and Mr. McGinn were recognized and made remarks to the BOD.

Mr. Schwedler expressed his thanks and gratitude to the BOD.

NEW BUSINESS**REPORT OF THE PRESIDENT**

Mr. Schwedler reported that the report was attached to the agenda for the BOD's review.

INFORMATION ITEMS

Mr. Schwedler reported that an appointments update, Simplified Rules of Order Quick Reference, and Standards Analysis Sheets were attached to the agenda for the BOD's review.

UPCOMING MEETINGS

Mr. Schwedler reviewed the BOD's upcoming meetings.

ADJOURNMENT

The meeting adjourned at 5:27 pm.

A handwritten signature in black ink, appearing to read 'JH Littleton', with a horizontal line extending to the right.

Jeff H. Littleton, Secretary

ATTACHMENTS:

- A. Public Policy Priorities for SY 2022-23
- B. Proposed Edits to ROB 2.416



DRAFT ASHRAE's Public Policy Priorities: SY 2022-2023

- 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 final 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. 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 is targeting emissions from the operation of buildings as well as those embodied in building materials and the construction process.

In addition to government adoption of robust energy standards such as ASHRAE Standard 90.1 (commercial), 90.2 (residential), 90.4 (data centers), 189.1/IgCC (green buildings) and 189.3 (high-performance health care facilities) for new construction, ASHRAE supports policies and programs to improve the energy and carbon performance of existing buildings such as adoption of Standard 100 and through policies such as building performance standards, building benchmarking and labeling requirements.

- 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 acceptable indoor air quality is an essential building service that should be achieved while also improving building energy efficiency, sustainability, and resiliency. The latest versions of ASHRAE Standards for Ventilation and Indoor Air Quality (62.1 for commercial buildings, 62.2 for residential, and 170 for health care facilities) should be adopted in building codes and regulations.

Importantly, ASHRAE supports policies that minimize pathogen transmission through building systems, including HVAC and water systems. With the world still challenged by COVID-19, ASHRAE will continue to disseminate the extensive resources developed by its Epidemic Task Force, including guidance documents, webinars, and training sessions, which can guide preparation for this and future pandemics. Recently updated ASHRAE Standard 188-2021 and Guideline 12-2020 present a framework and guidance for *Legionella* risk mitigation. ASHRAE can provide technical expertise and serve as a resource for policymakers and elected officials to address these indoor environmental health risks. ASHRAE recommends that policymakers cite ASHRAE standards and guidance in legislation and policies to reduce the risk of pathogen transmission in buildings, including in schools and congregate housing.

- 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 15-2019, *Safety Standard for Refrigeration Systems*, and Standard 34-2019, *Designation and Classification of Refrigerants* should be adopted quickly to help ensure the safe use of these refrigerants. Additional ASHRAE resources include the [Update on New Refrigerants Designations and Safety Classifications factsheet](#), which was developed through a cooperative agreement with UNEP. ASHRAE is also working with UNEP to assist developing countries with the adoption of state-of-art technologies and deployment of lower-GWP refrigerants to protect supply of food and medicine (including vaccines), as well as provide increased comfort and productivity while meeting sustainability goals.



- Advance Design and Construction of Resilient Buildings and Communities

Resiliency is an increasingly 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 building energy and indoor air quality (e.g., ventilation, filtration) standards 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. In addition, policies and regulations that require qualified HVACR engineering and technical professionals to be an integral part of building design, construction, and operation are encouraged as these can result in a more resilient and safer built environment.

- Support Adoption of the Latest Edition of ASHRAE's Energy 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 Buildings Except Low-Rise Residential Buildings, which has provided the minimum requirements for the energy-efficient design in the United States for over 40 years. Although its adoption in the U.S. by States is required by the Energy Conservation and Production Act (ECPA), most States are using dated versions of the standard, resulting in buildings with higher energy needs and costs. 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).

- Strengthen and Increase Diversity in the HVACR Workforce

Strong education in science, technology, engineering and mathematics (STEM) to develop the pipeline of technicians, engineers and scientists 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. Policy makers should consider requiring ASHRAE certification programs to ensure professionals have the knowledge to improve building performance.

ASHRAE's Board of Directors is committed to proactively pursuing and celebrating diverse and inclusive communities, as it fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and for the communities we serve. We respect and welcome all people regardless of age, gender, ethnicity, physical appearance, thought style, religion, nationality, socio-economic status, belief system, sexual orientation or education.

2.416 PLANNING COMMITTEE**2.416.001 SCOPE AND PURPOSE**

(09-06-21-12C)

This committee shall perform ASHRAE's long range and strategic plan activities on a continuing basis.

2.416.002 MEMBERSHIP2.416.002.1 Composition (02-01-13-19/04-06-27-08/05-06-26-16/09-06-21-13/12-06-24-12/ 20-02-02-02/ 20-06-23-04)

The members of this committee are as follows:

- A. Between ~~nine-ten (9-10)~~ and twelve (12) voting members, including a chair and vice chair
 - a. During the three-year strategic planning cycle, two-years for strategic plan development and one year following the launching of the strategic plan, it is recommended that the membership of Planning be ~~near~~at the maximum allowed.
 - ~~b. During the two-year "gap" between development of a new of a five-year strategic plan duration, it is recommended that the membership of Planning be near at the minimum allowed.~~
- B. In addition to the chair and vice chair, voting members shall include
 - 1. one (1) Director-at-Large,
 - 2. one (1) Director and Regional Chair,
 - 3. one (1) member who is serving on the YEA Committee at the time of appointment, and
 - 4. two- (2) members in good standing who have not served on the Board of Directors,
 - 5. ~~up to three (3) to~~ five (5) additional members of the Society who are serving or have served as Board members.

C. Non-voting members include

- ~~1. the Executive Vice President;~~
- ~~2. one (1) Staff Director;~~
- ~~3. and Consultants Consultants~~ as assigned by the President Elect.
 - ~~a. At least four (4) first-year Directors~~
 - ~~b. Other Consultants~~

2.416.002.2 Qualifications

- A. All voting members, except the member who represents YEA, must hold the grade of Full Member or higher in the Society.
- B. All councils should be represented on the voting membership of the committee.

2.416.002.3 Term of Service

(85-06-26-11/86-06-25-09/94-06-26-04)

- A. The term of service for voting members is intended to be three (3) years, subject to ROB 3.300 *Election and Appointment Procedures*.

~~B. The term of service of the Vice President shall be limited by his or her term in office.~~

2.416.003 OPERATION2.416.003.1 General Requirements

(09-06-21-12C/20-06-23-04)

- A. The purpose of this committee is to assist the Board of Directors and the organization to think strategically in planning for the future. These activities include determining methods for soliciting creative ideas from the membership, assessing capabilities, making strategic assessments, formulating strategies, and recommending new initiatives to the Board of Directors to adopt as strategic goals on an ongoing basis.

- B. This committee shall monitor, on a continuing basis, councils' and committees' progress in achieving the Strategic Plan goals. The committee shall provide a report of findings and recommendations at the Winter Meeting of the Society.
- C. The chair of Planning shall appoint a minimum of two subcommittees to assist in the development, and guide the councils and committees in implement~~ationing,~~ and monitoring ~~the use~~ of the Strategic Plan and the operation of the committee.
- D. This committee shall, on a continuing basis, review all facets of Society operation and make recommendations for changes and revisions.

2.416.003.2 Meetings

This committee shall meet two times per year:

- A. This committee shall meet at the Winter and Annual Meeting.
- B. Up to two (2) additional committee meetings may be held at the discretion of the Planning Committee Chair.

(17-01-29-11)

2.416.004 POLICIES, MANUALS AND PROCEDURES

2.416.004.1 This committee is responsible for reviewing, recommending changes and interpreting the following:

- A. Strategic Goals
- B. Strategic Plan