

Young Engineers in ASHRAE Committee Agenda
2019 Annual Conference, Kansas City, MO
Saturday, 6/22/2019, 8:00 am – 3:00 pm

MINUTES

- I. Call to Order (Kunkel) – 8:02 am
- II. ASHRAE Code of Ethics Commitment (Kunkel) – 8:02 am
 - a. In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)
- III. Introductions (Kunkel) – 8:03 am
- IV. Approval of Minutes from the Atlanta meeting (Kunkel) – 8:16 am – **ATTACHMENT A**
 - a. Moved by Romero, second by Freidberg. Passed unanimously (14-0-0).
- V. Coordinating Officer and Board Ex-Officio – 8:17 am
 - a. ExO presentation – **ATTACHMENT B**
- VI. Chair's Report (Kunkel) – 8:40 am
 - a. Update of 2018-2019 MBOs – **ATTACHMENT C**
- VII. CIBSE Report (Targonska) – 8:47 am
 - a. April meeting in Sheffield, Vanessa attended; Munis was selected as the incoming liaison, who has been a YEA global chair in the past; open invitation for YEA representative to attend the CIBSE technical symposium in April; assign to Senior VC, and if there is a schedule conflict then assign to another ExCom member
 - b. CIBSE YEN conference at same time as YLI
 - c. Checking to see if Rianna can attend YLI
 - d. CIBSE ASHRAE Technical Symposium in April 16-17 2020; joint with ASHRAE every other year
 - i. Include promotion in YEA Connection and social media
- VIII. Subcommittee Reports– 8:54 am
 - a. As opposed to having each subcommittee present a full report at this time, we held a conference call on 5/21/19 to review all subcommittee reports. – **ATTACHMENT D**
 - b. Any significant subcommittee updates since our call may be given at this time.
 - i. Personal Development:
 - 1. YLW registration is open for Nashville; share with YCCs and promote wherever possible.
 - 2. Doing a collaboration with SA. Since our seminar "ASHRAE Conference Crash Course" is after the Student program at the Winter Conferences, we may be missing out on having Students attend the course. We are looking to participate in the SA pre-conference webinar to provide them with that same information. We'd also have a few minutes to speak at the SA program on Saturday afternoon.
 - ii. Outreach Development:
 - 1. Registration is open for YLI in Dubai. We have four people registered and we're aiming for 30. Please help with promotion where possible.
 - c. Subcommittee assignments for 2019-2020 – **ATTACHMENT E**
- IX. Motions – 9:00 am
 - a. SmartStart Weekend (SSW) motion – **ATTACHMENT F**
 - i. For the past few years, we have been discussing this motion with Enrica and Matt (the motion originators) and SA and MP to figure out a path for this SSW idea. The Central New York Chapter held a previous successful weekend. A Members Council Ad Hoc formed during the 2018 Annual Conference in Houston comprised of SA, MP, and YEA. YEA took the responsibility of creating this motion based upon the successful Regional

LeaDRS program that YEA developed in 2013. The intent is to send it to the Regions for them to determine if they'd like to host a SSW. It is not a Society level program.

- ii. The intent today is to review the motion, ask any questions and vote on the motion to send to Members Council. Members Council would then vote to send it to the Regions, and the Regions would vote on it at CRCs to decide if they want to host the event and spend the money and time to do so. Could be implemented for the 20-21 SY.
- iii. The previous event was held in Region I. It was a 2-day event that included some technical info as well. Feedback from Students was positive; they were appreciative and said the event helped them to determine what path to take after graduation.
- iv. Regions XI and XIII have held student programs at their CRC, which is similar to the SSW event.
- v. If approved by Members Council, YEA will include information in their YEA workshop webinar.
- vi. Moved by Romero, second by Liu. 13-0-0.

- b. Our previous motion to update the ASHRAE Rules of the Board as shown below has been approved by SRC and has been implemented. This change no longer prohibits the YEA chair and vice chairs from being over 35.

ASHRAE Rules of the Board

YEA Committee

2.430.002.2 Qualifications

B. Regional Vice Chairs and Members-at-Large ~~Voting members~~ of this committee shall be 35 years of age or younger at the onset of their term.

X. Old Business – 9:17 am

a. ASHRAE YEA Cheat Sheet:

- i. YEA is working with the ASHRAE Publication Committee and has received positive feedback thus far. Steph and Alyse will attend their meeting on Sunday at 10am.
- ii. The intent is to provide this to YEA members when they join, as well as sending it to current YEA members.
- iii. Current format is in IP, will look at translating into SI next.

b. College of Fellows Mentoring Platform

- i. Received great feedback from Ralph's program at the Atlanta Conference.
- ii. Questions to consider:
 - 1. Do we want to continue this program at future Winter programs?
 - 2. Would we keep the format the same?
 - 3. Do we keep it within the conference program? Is there a different option? Be sure to check with CEC.
 - 4. Where would funding come from?
 - 5. If we continue, who would take the lead?
 - a. Personal Development, with assistance from Jake Kopocis
 - i. Action items: look into cost; Ralph: airfare and hotel
 - ii. Check with College of Fellows about funds

c. Review of YEA-related meetings and events during the conference

- i. Please note that room assignments may change, so please check the schedule (either in your printed program or the event app) to confirm a meeting's location.
- ii. Overview of the YEA-related meetings during the conference:

Date	Time	Meeting	Location	Attendance
Sunday, June 23	4:00pm – 6:00pm	YEA Hospitality Suite	Marriott East, Barney Allis Historical Lobby, Lower Lobby	Encouraged

iii. Overview of conference sessions that are either presented or sponsored by YEA:

Date	Time	Presentation	Location
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Sunday, June 23	2:00-3:00pm	TC 1.4 (Control Theory and Application): YEA/Education	Marriott East, Taft
Wednesday, June 26	9:45-10:45am	Seminar 66: YEA Controls FUNdamentals: What to Know about Careers in Controls and Basics of BAS	KCDC, 1 st Floor, 2104A

- XI.** New Business – 9:50 am
 - a.** Review of PAOE for 2019-2020 and any changes with YEA’s own category (Freidberg)
 - i.** All YEA line items were pulled out and put into a new YEA category, which will be easier to track. Let us know if you have any feedback based on the new category; check with your YCCs. Rachel will be PAOE liaison for next year. We will go over entering PAOE points during the YEA workshop webinar next month.
 - b. Executive Session** – Approval of Developing Leader Award Nominees
 - i.** King moved to approve, Liu second. . 13-0-0.
 - c.** Break – 10:00am
 - d.** Strategic plan: the new plan for 2019-2024 rolls out July 1, 2019. The mission and vision of ASHRAE have been updated, and will help lead our new MBOs. – **ATTACHMENT G**
 - e.** Creation of 2019-2020 YEA MBOs – **ATTACHMENT H**
- XII.** Liaison Update from SA – 10:26 am
 - a.** Ben Oliver
 - b.** Collaboration on pre-conference Student webinar involvement
- XIII.** Liaison Update from MP – 10:35 am
 - a.** Carrie Keltz
 - b.** Currently 57,000 members. Hoping to push for a goal of 5% increase by the end of 2020 to get closer to 58,000.
 - c.** No action items for YEA
 - d.** YEA asked about Sister Chapter guidelines and whether MP can set up those guidelines. YEA would like to help push it forward, they just need guidelines on how to move forward.
 - i.** MP sent out survey previously. Chapters are interested, but there was wide variety of feedback on what the relationship should entail.
 - ii.** Is there any preference from YEA? Recommend that the two chapters be similar in certain aspects, such as size and strength. And try for chapters not nearby geographically.
- XIV.** Regional Updates – 11:40am
 - a.** One headline and one heartache from each RVC
- XV.** Break for lunch – 12:16 am
 - a.** Working lunch – please get food to bring back to the meeting room.
- XVI.** Brainstorming and Planning – 1:15 pm
 - a.** Each subcommittee will have time to get together and develop their programs and assignments.
 - b.** Each subcommittee will then return to bring up any items where they need to have the whole YEA Committee involved in discussion.
- XVII.** Liaison Update from GAC – 1:22 pm
 - a.** Madison Schultz
 - b.** Encourage YCCs to attend outreach days
 - c.** Add PAOE points for YEA participation in outreach days
 - d.** Make sure YCCs are aware of workforce development initiatives in their state
- XVIII.** New YEA Executive Committee 2019-2020
 - a.** Vanessa Freidberg – Chair
 - b.** Rachel Romero – Senior Vice Chair
 - c.** Shona O Dea – Junior Vice Chair
- XIX.** Adjournment (Kunkel) – 2:42 pm

ATTACHMENT A

YEA Committee meeting minutes from the Atlanta meeting

Young Engineers in ASHRAE Committee Agenda

2019 Winter Conference, Atlanta, GA

Saturday, 1/12/2019, 8:00 am – 3:00 pm

- I. Call to Order (Kunkel) – 8:07 am
- II. ASHRAE Code of Ethics Commitment (Kunkel) – 8:07 am
 - a. In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)
- III. Introductions (Kunkel) – 8:08 am
- IV. Board Ex-Officio Presentation – 8:20 am
- V. Approval of Minutes from the Houston meeting (Kunkel) – 8:37 am
 - a. Moved by Romero, seconded by King. Approved unanimously.
- VI. Chair's Report (Kunkel) – 8:38 am
 - a. Update of 2018-2019 MBOs
 - i. MBO #3: We will try to create a one-page TC flyer to have for distribution at the YEA Hospitality Suite. If not, we will definitely have one ready for the 2019 Annual Conference. Encourage everyone on the YEA committee to be on at least one TC.
 - ii. MBO #6: Region IX created a Basecamp for their YCCs. Contact Joslyn Ratcliff (jratcliff@ashrae.org) if you'd like to create a Basecamp for your Region.
 - iii. MBO #7: It is a slow going process, but it is being worked on. PDC has a general idea of what they want to be done (for new members coming into the industry, not just YEA members) and they are determining next steps.
 - iv. MBO #8: All YEA RVCs please sent your YEA workshop attendance sheet to Rhiannon Masterson (rmasterson@ashrae.org).
 - v. MBO #9: There is a Presidential Ad Hoc with representatives from YEA, SA, and MP looking into this item. We are waiting on reports back from the SA RVCs to see what goes on at CRCs for students. We will help create a document for those who would implement the program. We're hoping to have working documents by March 2019.
 - vi. MBO #10: Workshop is scheduled for Monday and will be facilitated by Ralph Kison.
- VII. Liaison Updates – 9:02 am
 - a. Student Activities (SA):
 - i. SmartStart weekend: SA has asked all of their RVCs what they currently offer at their CRCs and if they do anything for SmartStart.
 - b. Membership Promotion (MP):
 - i. Overview: brainstorming marketing ideas; recommending PAOE points for articles included in Keynotes e-newsletter; want to increase member benefits
 - ii. Sister Chapters: MP sent out an email a couple of years ago and did not get a lot of interest from chapters.
- VIII. CIBSE Report – 9:10 am
 - a. Emilia will attend the 2019 Annual Conference and provide an update.
 - b. We have been trying to get CIBSE members to attend YLI. At this past event we had a couple of CIBSE/YEN members join ASHRAE so they could attend the event.
 - c. Discussion regarding sister chapters. Golden Gate has paired up with the UK London & SE Chapter. This could help the Outreach Subcommittee with outreach to international YEA members. Alyse will bring this up with MP as their liaison.

- i. Look at adding an MBO item regarding sister chapters.
- IX. Subcommittee Reports– 9:16 am
 - a. As opposed to having each subcommittee present a full report at this time, we held a conference call on 12/19/18 to review all subcommittee reports.
 - b. Any significant subcommittee updates since our call may be given at this time, including:
 - i. What specific updates need to be made to the current 4-page TC brochure (separate from the 1-page flyer)? We need to make any content updates, and then we can send to Marketing to create. The Professional Development Subcommittee will review the content and make any recommended changes.
 - 1. Consider adding a TC section to the First Time at an ASHRAE Meeting seminar. Assigned to both Personal and Professional Development Subcommittees for review. Work to have the TC section added at the next seminar at the 2020 Winter Conference. Will need to ask CEC for more time for the seminar. Will also need to be sure to have someone assigned as TC liaison.
 - 2. Also consider adding this TC information into the YEA CRC presentation.
 - ii. Recommendations on YEA Award of Individual Excellence Professional Development?
 - 1. More effective marketing
 - 2. Research YEA members who are on a TC and who have attended an ALI course.
 - 3. TC liaison should contact Steve Duda, who has an awards spreadsheet.
- X. Building EQ Update – 9:25 am
 - a. Beq is a web portal for building energy performance
 - b. Overview of Beq features and benefits
 - c. YEA RVCs – be sure to share this information with your YCCs
- XI. Break – 9:45-10:00am
- XII. Motions – 10:01 am
 - a. Update to ASHRAE Rules of the Board
 - i. At our previous meeting in Houston, we discussed whether or not the YEA chair and vice chairs needed to be 35 or younger at the start of their term. As the ROB is currently written, it prohibits the YEA chair and vice chairs from being over 35. After discussion, the majority agreed (14-1-1 CNV) to update the ROB so that it does not exclude someone over 35 from holding the chair or vice chair positions as long as they meet the other requirements. However, we ended up voting on incorrect wording and were unable to present our motion in Houston.
 - ii. Below is the updated motion. For reference, voting members of the YEA Committee include the chair, two vice chairs, RVCs, and two at-large members.
 - 1. ASHRAE Rules of the Board
YEA Committee
2.430.002.2 Qualifications
B. Regional Vice Chairs and Members-at-Large ~~Voting members~~ of this committee shall be 35 years of age or younger at the onset of their term.
 - Romero moves to approve advised language. Gagnon second. 13-0-1 CNV
 - b. Referred motion from Members Council:
 - i. Region XIV (Hellenic Chapter) Motion 40 (11/8/2018): That ASHRAE provide centralized training on the grassroots committees during Region IV & Region XIV Mega CRC 2019.
 - ii. Came from Members Council in November.
 - iii. We would have the RVCs from Regions IV and XIV present the centralized training since they would be in attendance. We could expand the existing YEA workshop presentation.

- iv. Would this CT would just be offered for Region IV and XIV YCCs?
- v. Why this mega CRC and not the others?
- vi. What are the estimated fiscal impacts for YEA?
- vii. Would SA and MP add this as an extra CT or change one of their CTs to this event?
- viii. Proposed revision by Cvijetinovic: "That ASHRAE provide centralized training for the grassroots committees that currently host centralized training during Region IV & Region XIV Mega CRC 2019. Typical CRC workshops will be provided by the grassroots committees that do not current host centralized training." King seconds. 15-0-0 CNV

XIII. Old Business – 10:38 am

- a. College of Fellows Mentoring Platform
 - i. "Best Practices of the Mentor-Mentee Relationship" session scheduled for Monday, January 14 from 2:15-4:15pm. Ralph Kison (YLW facilitator) is the speaker.
- b. Review of YEA-related meetings and events during the conference
 - i. Please note that room assignments may change, so please check the schedule (either in your printed program or the event app) to confirm a meeting's location.
 - ii. Overview of the YEA-related meetings during the conference:

Date	Time	Meeting	Location	Attendance
Saturday, January 12	5:00pm – 6:30pm	Student/YEA mixer	Omni Hotel, Room: International EF, Floor/Tower: M2, North	Encouraged
Sunday, January 13	4:00pm – 6:00pm	YEA Hospitality Suite	Omni Hotel, Grand Ballroom A, Floor/Tower: M4, North	Encouraged

- iii. Overview of conference sessions that are either presented or sponsored by YEA:

Date	Time	Presentation	Location
Sunday, January 13	9:45am – 10:45am	ASHRAE Conference Crash Course	GWCC, 4 th Floor, Building A, A410
Sunday, January 13	11:00am – 12:30pm	Turning to Old Buildings: Optimizing and Upgrading Our Existing Building Stock	GWCC, 3 rd Floor, Building A, A302
Sunday, January 13	1:30pm – 3:00pm	Room Loads to Equipment Sizing Missing Link – How Can ASHRAE Help Young Engineers?	GWCC, 4 th Floor, Building A, A410
Monday, January 14	2:15pm – 4:15pm	Best Practices of the Mentor-Mentee Relationship	GWCC, 4 th Floor, Building A, A410

- c. ASHRAE Cheat Sheet for Consulting Engineers (Falconer)
 - i. Still received comments late into the fall and her company is using the document as a test run. She needs to clean up the last comments. Possibly get it printed next month. Alyse will send to Steph for next steps.

XIV. New Business – 10:44 am

- a. PAOE (Freidberg)
 - i. Any recommended changes to PAOE line items, minimums and/or PAR points? We need to submit any recommendations along with our Members Council report. Any recommended changes will not be discussed during the Members Council meeting, but will be drafted in the PAOE for President Elect Darryl Boyce to review.
 - ii. Update on transition to dedicated YEA PAOE section
 - 1. We have reallocated the existing YEA points throughout the document to the new YEA section and made edits.
 - 2. Increase YEA membership by 5%. How does MP handle this? Who enters the PAOE points at the end of the year (staff or members)?

- 3. RM- have new report like TCs for PC s
- b. **Executive Session** – Approval of YEA Award of Individual Excellence Nominees
 - i. Motion to approve Gagnon; second O’Dea; 14-0-0 CNV
- XV. Break for lunch – 12:00 am
 - a. Working lunch – please get food to bring back to the meeting room.
- XVI. Brainstorming and Planning – 12:35 pm
 - a. Each subcommittee will have time to get together and develop their programs and assignments.
- XVII. Getting involved with Standards and Guideline project committees – 1:00 pm
 - a. Visit from Stephanie Reiniche (ASHRAE Director of Technology) and Drake Erbe (Chair of SSPC 90.1, ISO/TC 205, and ISO/TC 86; Member of TC 5.05)
 - b. Would like to encourage YEA involvement on project committees and wanted to make sure to put a face to the name.
 - c. There is a PC chairs breakfast on Sunday Mornings at conferences and the YEA Committee is invited to attend to make connections.
 - d. How to get involved? Show up and express an interest.
- XVIII. Introduction of 2019-2020 YEA Executive Committee:
 - a. Vanessa Freidberg – Chair
 - b. Rachel Romero – Senior Vice Chair
 - c. Shona O Dea – Junior Vice Chair
- XIX. Adjournment (Kunkel) – 2:45 pm

ATTACHMENT B

Board ExO Presentation



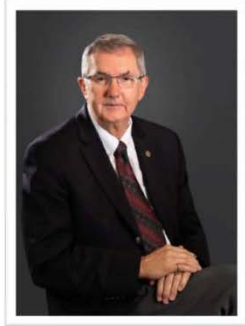
In all your interactions at these meetings,
please remember...

Code of Ethics

"As members of ASHRAE or participants in ASHRAE committees, we pledge to act with honesty, fairness, courtesy, competence, integrity and respect for others in our conduct."



President's Luncheon



Monday, June 24
12:15 – 2:00 pm

Building for People and Performance.
Achieving Operational Excellence.

ASHRAE President 2019-2020
Darryl K. Boyce, P.Eng



Nominations Welcome

- Nominations for appointed standing committees are sought annually
- Speak with your committee ExO if your appointed term is ending and you wish to be nominated for another Committee
- If a person is completing his or her term on a committee in June 2019, the next appointed committee term would begin on **July 1, 2020**
- Self-nomination is also encouraged
- Nominations are due by **mid-February 2020**
- Councils are elected by the Board of Directors, but nominations are welcomed

For more information, visit: ashrae.org/committee-nominations



ASHRAE Nominations

ASHRAE website links are available for Board Officer and Director recommendations, Nominations to Board-elected Standing Committees and Councils, and Appointments to Committees.

❖ Board Officer and Director Recommendations

Link closes for the following Society year each **September 25th**

❖ Board-elected Standing Committee and Council Nominations

Link closes for the following Society year each **September 15th**

❖ Standing Committee Nominations, Appointed by the President-Elect

Link closes for the following Society year each **February 15th**

For more information, visit: ashrae.org/committee-nominations



ASHRAE Commercialism Policy

ASHRAE's Commercialism Policy allows for Society activities that fulfill the mission of technological advancement with adherence to business plans that generate income to offset operational expenses such as AHR Exposition, ASHRAE periodicals, website, and Society conference events such as the Welcome Party, luncheons, registration kits and receptions.

Principles for Managing Advertising and Sponsorships

Content should be labeled as advertising or sponsored.

Use of commercial names and logos shall not imply ASHRAE endorsement, approval or certification of products or services.

The inclusion of commercial information shall be fair and unbiased so as to avoid explicit promotion of a product or commercial entity.

Content shall adhere to accepted business practices specified by the U.S. Federal Trade Commission and recognized publishing authorities.

Activities including events at chapter meetings shall be managed to prevent an atmosphere in which commercial entities are encouraged to critique one another in the public forum.

For more information, visit: ashrae.org/commercialism



Presidential Ad Hoc

Standards Membership Model Ad Hoc

- Final report will be submitted in Kansas City
- Implementation will require collaboration among Finance Committee, Members Council and Publishing & Education Council

Smart Grid Design Guide Ad Hoc

- Developing Smart-Grid Application Guide to provide building owners, managers, and designers with guidance on the smart grid, applicable regulations, and how to operate their building in the smart-grid environment
- Publication planned for Summer 2019

Event Sponsorship Presidential Ad Hoc Committee

- April 2019, the Event Sponsorship Presidential Ad Hoc Committee, led by President-elect Chuck Gulledge, met to investigate opportunities to acquire sponsorships for meetings and events
- The committee's goal is to increase event sponsorship revenue and thereby reduce registration fees



Government Outreach Days

All ASHRAE Members are invited to participate – Get Involved!



Meetings with Government Officials are growing:

- SY 2016-17: 8
- SY 2017-18: 16
- SY 2018-19: 29
- SY 2019-20: 45 (anticipated)



152 Member
Participants

Advocacy resources available in **ASHRAE 365** and [ashrae.org/advocacytoolkit](https://www.ashrae.org/advocacytoolkit)



Signed Memoranda of Understanding

Society Year 2018-2019



• American Institute of Architects (AIA)



• American Society of Plumbing Engineers (ASPE)



• U.S. Department of Energy (DOE)



• International District Energy Association (IDEA)



• International Facility Management Association (IFMA)



• New Buildings Institute (NBI)



• Society of Air-Conditioning and Refrigeration Engineers of Korea (SAREK)



• Vietnam Society of Refrigeration and Air-Conditioning Engineers (VISRAE) Pending



ashrae.org

ASHRAE's New Global HQ



180 Technology Parkway
Peachtree Corners, Ga

- Building campaign to help fund the new HQ is underway
- Aims to be a net-zero-energy ready office
- Showcase for the latest HVAC&R equipment and technology
- Retrofitted new HQ building will have a zero carbon footprint
- Move expected by October 2020

Design team members were chosen based on an RFP, competitive bids and committee interviews. The design team includes: McLennan Design, Houser Walker Architecture and Integral Group.

Project Management: Collins Project Management

Construction Manager at Risk: Skanska

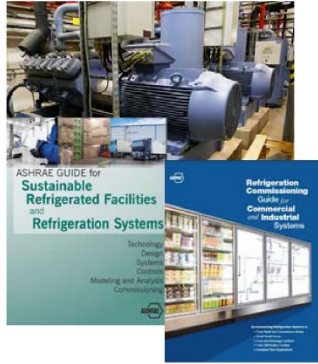
Commissioning Agent: Epsten Group

For more information, visit: ashrae.org/newhq



ashrae.org

"R" In ASHRAE



ASHRAE Launches All New Refrigeration Page

With refrigeration literally in its name, ASHRAE offers a wide selection of information and publications concerning refrigeration and refrigerants – from standards and design guides to ASHRAE courses as well as a monthly column in the ASHRAE Journal, and more.

ASHRAE and the International Institute of Refrigeration (IIR) announced on April 11, 2019 the establishment of new definitions for five refrigeration keywords, which are:

- Cooling
- Refrigeration
- Chilling
- Freezing
- Cold Chain

For more information, visit: ashrae.org/refrigeration



World Refrigeration Day

The Coolest Day of the Year June 26, 2019



- ASHRAE endorses the first World Refrigeration Day
- Established to raise awareness of refrigeration, air conditioning and heat pumps and their role in modern society to a wider audience
- #Refrigerants4Life

For more information, visit: ashrae.org/refrigeration



New Strategic Plan

Strategic Plan 2019-2024



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.

Find out more about the new plan

Attend Seminar 27: ASHRAE's 2019 Strategic Plan: Development, Initiatives and Implementation
Monday, June 24 from 9:45–10:45 AM
Kansas City Convention Center, Room 2105



Strategic Plan At-A-Glance

Initiative Area: Built Environment Of The Future

1 RESILIENT BUILDINGS AND COMMUNITIES



2 INDOOR ENVIRONMENTAL QUALITY



Initiative Area: Future Of ASHRAE

3 ORGANIZATIONAL STREAMLINING



4 IMPROVE CHAPTER ENGAGEMENT, CAPACITY AND SUPPORT



Strategic Plan At-A-Glance
available for download beginning 7/1/2019
ashrae.org/strategicplan



Recent Publications

- ASHRAE Design Guide for Cool Thermal Storage, Second Edition
- Advancing DCIM with IT Equipment Integration (ASHRAE Datacom Series, Book 14)
- Advanced Energy Design Guide for Small to Medium Office Buildings: Achieving Zero Energy
- Standard 218-2019, Method of Test for Lubricant and Refrigerant Miscibility Determination
- Standard 30-2019, Method of Testing Liquid Chillers
- Standard 41.8-2016 (RA 2019), Standard Methods for Liquid Flow Measurement
- Standard 15-2019, Safety Standard for Refrigeration Systems
- Standard 34-2019, Designation and Safety Classification of Refrigerants
- Standard 150-2019, Method of Testing the Performance of Cool Storage Systems
- Humidity Control Events in Perioperative Care Areas (free white paper from TC 9.6)
- Water-Cooled Servers Common Designs, Components, and Processes (free white paper from TC 9.9)
- Spanish translations: Standard 188-2018, Thermal Guidelines for Data Processing Environments, 4th ed.



To purchase publications, visit: [ashrae.org/bookstore](https://www.ashrae.org/bookstore)

Upcoming Publications

- HPB Simplified (textbook) (Fall 2019)
- ASHRAE Design Guide for Multifamily Residential Buildings (Fall 2019)
- ASHRAE Design Guide for Ventilation of Hazardous Spaces (Fall 2019)
- Nearly ZEB Hospitals Guide Book (co-published w/RHEVA) (Fall 2019)
- HVAC Design Guide for DOE Nuclear Facilities, 2nd ed. (Fall 2019)
- A Practitioner's Guide to Engineering Management (Fall 2019)
- Smart Grid Application Guide (Late 2019)
- ASHRAE Design Guide for Tall, Supertall and Megatall Buildings Design Guide 2nd ed. (Late 2019)
- Air-Conditioning System Design Manual, 3rd ed. (Late 2019)
- Design Considerations for Datacom Equipment Centers, 3rd ed. (Datacom 3) (Late 2019)
- ASHRAE Design Guide for Hot-Climate Buildings (Late 2019)
- Natural Ventilation Design Guide (Jan 2020)
- Design Guide for Combustion Turbine Inlet Air Cooling Systems, 2nd ed. (Jan 2020)
- ASHRAE Design Guide for Duct Systems (January 2020)
- 125th Anniversary books: Evolution of Components and Design Build Practices after 1900; Proclaiming the Truth, 2nd ed.; Adventures in Heat & Cold; Twentieth Century of Air Conditioning (January 2020)



ASHRAE Learning Institute (ALI)

New Courses



- Advanced Design for Net Zero Buildings
- Choosing the Right Energy Code for Your Project: IECC 2018 or ASHRAE 90.1-2016
- How Smart, Efficient, Sustainable Systems Lead to Improved Resilience
- Thermal Energy Storage Systems for Air Conditioning

For more information, visit: ashrae.org/education

The following courses are being offered during the Annual Conference:

- Effective Presentation for Positive Results
- Guideline 36: Best in Class HVAC Control
- IgCC and ASHRAE Standard 189.1 Technical Provisions
- Laboratory Exhaust Stacks: Safe and Energy-Efficient Design
- Solar PV & Thermal Systems Analysis and Design



ASHRAE eLearning

- PDHs/CEUs: Most courses recognized by AIA and GBCI.
- Train on your own schedule from any computer with internet access.
- No special software required.
- Free tracking reports.
- More than 90 courses, including:
 - [Introduction to Refrigerants](#) **NEW!**
 - [Refrigerant Selection](#) **NEW!**
 - [Refrigerant Management](#) **NEW!**



For the complete course catalog, visit: <https://elearning.ashrae.org>



Certified HVAC Designer (CHD) Certification

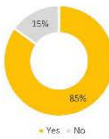
Launched March 2019

The CHD certification validates competency of the HVAC Designer working under the responsible charge of an engineer.

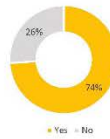
Industry Need & Demand

In an "Industry Need" survey, ASHRAE Member respondents agreed:

Worthwhile Professional
Development Goal



Tool to Identify Competent
New Hire Prospects



View the **NEW CHD** video here: ashrae.org/chd#video



Advanced Energy Design Guides

- Roughly **630,000 total copies of 12 published guides** in circulation
- **Advanced Energy Design Guide for K-12 School Buildings – Achieving Zero Energy – Published in January 2018**
Applicable to all sizes and types of K-12 school construction
- **Advanced Energy Design Guide for Small to Medium Office Buildings – Achieving Zero Energy – Published June 2019**
Applicable to office buildings 10,000 to 100,000 ft² which a building height of less than 75 feet.
- **Advanced Energy Design Guide for Multifamily Residential Buildings – Achieving Zero Energy – In Development**

For more information, visit: ashrae.org/freeaedg



Building EQ

Take your building to the next level beyond benchmarking

- Online data entry & submission
- Metered data exchange from ENERGY STAR® Portfolio Manager
- Consistent, streamlined process to conduct ASHRAE Level 1 Energy Audit
- Auto-populated audit reports aligned with ASHRAE Standard 211
- Measured data and actionable recommendations to improve building energy performance



For more information, visit: ashrae.org/BuildingEQ

Online Standards Review Database

Launched in September 2018, the online standards review database allows members and non-members access to public review drafts for standards, guidelines, and addenda and to submit comments.

The new system offers:

- single sign-on feature
- new dashboard which highlights items that require attention, provides quick links to individual / committee comments, continuous maintenance proposals and outstanding ballot results.



For more information, visit: ashrae.org/publicreviews

Publishing/Education Strategies to Improve Content Access

Enhance member access using online delivery

- **ASHRAE Technology Portal** for *ASHRAE Journal*, Research Reports, Conference Papers, Seminars
- Handbook PDFs added to **ASHRAE Technology Portal** to eliminate CDs
- 90.1 Portal syncs the 2016 standard with the user's manual plus red-line version

Expand content available electronically

- Free Online Access to *Science & Technology for the Built Environment*, ASHRAE's journal of archival research

Use web-based tools to optimize volunteer time

- Handbook Chapter Authoring Teams using Authoring Portal for 2019 Handbook

Customize training and translate publications applying business models

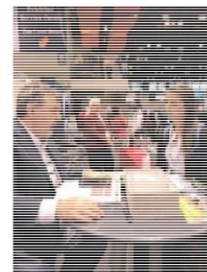
Trackable delivery of Handbooks to more countries

For more information, visit: ashrae.org/technology-portal



See You There!

- International Congress of Refrigeration 2019
August 24-30, 2019 – Montréal, Québec, Canada
- 2019 ASHRAE Building Performance Analysis Conference
September 25-27, 2019 – Denver, CO
- 7th International Conference on Energy Research and Development
November 19-21, 2019 – State of Kuwait
- Greenbuild International Conference and Expo
November 20-22, 2019 – Atlanta, GA
- 2019 Building XIV International Conference
December 9-12, 2019 – Clearwater, FL



@ Greenbuild Expo

For more information, visit: ashrae.org/conferences



Questions?

Please let your committee's ExO know how and where you'd like to serve next!



ATTACHMENT C

2018-2019 YEA MBOs

Item #	MBO	Status	Date Due	Assigned To	MBO Comments
1	Increase YEA membership by 15% (10,505 to 12,080)	11,689 as of 6/2/19, 11.2% increase	6/30/2019	YEA Committee	Continue to grow the YEA demographic and encourage involvement
2	Implement ASHRAE Developing Leader Track	Completed by awarding Developing Leader Award	6/30/2019	Professional Development Subcommittee	Roadmap for involvement of young ASHRAE members
3	Increase number of YEA members participating on TCs by 15% (595 to 684)	639 as of 6/11/19, 7.4% increase	6/30/2019	Professional Development Subcommittee	We have been working with TAC to increase awareness and participation to YEA members. Redesign TC YEA guide
4	Full Circle for entire YEA Committee	Complete	11/15/2018	YEA Committee	To encourage all YEA members to donate, the committee wants to lead by example
5	Develop a plan to promote educational resources for international YEA members	Ongoing	6/30/2019	Outreach Development Subcommittee	Provide educational resources for international YEA members who might not be able to attend existing YEA programs.
6	Chapter/Member Outreach	Ongoing	6/30/2019	Personal Development Subcommittee	Continue/increase the communication between YRC's and YCC's so that membership is informed of programs and events
7	PDC/YEA Training Products	Postponed; PDC postponed these products until they reorganize their committee	6/30/2019	Professional Development Subcommittee	Work with the PDC to develop 5-year plan to cultivate training programs/products for YEA
8	80% of YEA Chapter Chairs attend CRC	45% attendance	6/30/2019	YEA Committee	To encourage adequate training, we want at least 80% of YCCs (or co-chairs) to attend their CRCs and YEA Workshop
9	Development of SmartStart Weekend	Complete	6/30/2019	YEA Committee	Work with the creators of the SmartStart weekend motion to develop a plan on how to implement event
10	Create one joint College of Fellows mentoring event	Complete	6/30/2019	YEA Committee	Establish an organized event that promotes networking and mentorship with the College of Fellows
11	Research sister chapters	Complete	6/30/2019	Outreach Development Subcommittee	To increase YEA membership worldwide and attendance at international YEA events.

ATTACHMENT D

YEA Committee Conference Call Minutes

Tuesday, May 21, 2019 at 12:00pm Eastern

Attendees:

Stephanie Kunkel, Vanessa Freidberg, Jake Kopocis, Frank Paradiso, Alexis Gagnon, Lindsey King, Jackson Willis, Shona O Dea, Mallory Schaus, Madison Schultz, Rachel Romero, Jessica Errett, Alyse Falconer, Baki Cvijetinovic, Bruno Martinez, Tracy Pang, Kozen Law, Ashu Gupta, Carrie Anne Monplaisir, Rhiannon Masterson

Minutes:

1. Introduction by Steph Kunkel
2. ASHRAE Code of Ethics Commitment (Kunkel)
 - a. In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)
3. Webinar training for YEA RVCs
 - a. Need to schedule; will send out a Doodle poll to select a date
 - b. Will review YEA CRC presentation and how to pull reports
 - c. Ideal for incoming YEA RVCs, but also a good refresher for existing YEA RVCs
4. General Updates:
 - a. ASHRAE YEA Cheat Sheet:
 - i. YEA is working with ASHRAE Publication Committee and has received positive feedback thus far. Steph and Alyse will be attending the Publication Committee meeting at 10am on Sunday at the Annual Conference.
 - ii. Hope to get this sent out to all YEA members and new YEA members moving forward.
 - b. SmartStart Weekend:
 - i. YEA has taken the lead on this coordination. There will be a conference call with SA and MP at the beginning of June to review progress and updated motion.
5. Subcommittee Reports
 - a. Review of subcommittee assignments
 - b. Outreach Development Subcommittee:
 - i. YEA Leadership International:
 1. 2019 YLI will be held November 15-17, 2019 in Dubai, UAE
 2. The goal is to have 30 attendees and we will be working with other associations to encourage attendance and ASHRAE membership.
 3. Registration is open and we have three attendees.
 4. Please encourage attendance – any YEA member can attend.
 5. Ashu received a good response from members in India. There are 7-8 who said they will register soon.
 6. We will bring flyers to the ASHRAE conference for distribution.
 - ii. International outreach and CIBSE Young Engineers Network (YEN) Development
 1. Vanessa attended a CIBSE conference last month, as well as the YEN committee meeting. She provided the following updates:
 - a. The upcoming YEN planning meeting overlaps with YLI. YEN leadership will be at that meeting and unable to attend YLI. Munis (incoming CIBSE liaison) may be able to attend since he is based in Dubai.
 - b. YEN is deciding if Emilia or Munis (or both) will come to Kansas City.
 - c. Shona will schedule a call with this subcommittee, Emilia, Munis, and Vanessa to figure out the scheduling for YLI and Kansas City.

- iii. Develop a plan to promote educational resources for international members
 - 1. Working on ideas to improve YEA webpage and social media
- iv. Update on research regarding sister chapters – is this something that YEA can become involved with? Or should this be left to the discretion of each chapter?
 - 1. Shona spoke with Devin Abellon. From their research, this does not seem to be a formalized program. There are PAOE points associated with setting up sister chapters, but there are no definitive guidelines to follow aside from the chapters making their own connections. Society does not maintain a list of sister chapters.
 - 2. The RVCs were advised to bring this topic up with their Regions to see if it is something they would like to pursue. If something more formalized start to develop, YEA can help move it forward at that time.
- c. Personal Development Subcommittee:
 - i. ASHRAE Conference Crash Course in Atlanta
 - 1. 71 attendee registrations
 - 2. Excellent speakers scores and reviews for sessions
 - 3. Will continue in Orlando 2020
 - ii. YLW 2.0; February 8-10, 2019; Clearwater, FL
 - 1. 20 attendees
 - 2. Check out the Facebook and LinkedIn Posts
 - 3. Lessons Learned
 - 4. Reminder – registration fills up quickly
 - iii. YLW 1.0; March 15-17, 2019; Portland, OR
 - 1. 30 attendees
 - 2. Check out the Facebook and LinkedIn Posts
 - 3. Lessons Learned
 - iv. CRC PowerPoint Updates
 - 1. Added information about training a YCC
 - 2. Updated presentation on Basecamp
 - v. Other:
 - 1. MBO for Committee: Continue/increase the communication between YRC's and YCC's so that membership is informed of programs and events
 - a. Increased social media for announcing and publicizing successes
 - b. Discussion for Kansas City: Would YEA RVCs like more?
 - 2. Planning for 2019-2020 Society Year YLWs
 - a. Encourage YEA RVCs to attend if they haven't already
 - b. The Fall YLW event will take place September 13-15, 2019 in Nashville. Registration will open before the conference. We are working on researching a technical tour.
- d. Professional Development Subcommittee:
 - i. Awards
 - 1. Developing Leader Award
 - a. The group decided that it would be beneficial to get a list of potential candidates that meet the criteria and then have the RVCs from those regions reach out individually to try to help facilitate more applications in the future.
 - 2. New Faces Award
 - a. Alyse agreed to work with Jake on developing the "score card" for this award, since she has previously been involved

- b. Agreed to have New Faces Award be presented at the Plenary moving forward
- c. Spoke with H&A in Atlanta to present at Plenary
- d. We will set up a call with Steph, Jake and Alyse on next steps.

ii. Leadership U

- 1. Kansas City LU participants:
 - a. Kirsten Burk, National Capital Chapter; mentor is Julia Keen
 - b. John Constantinide, Spacecoast Chapter; mentor is Farooq Mehboob
 - c. Anuj Gupta, ASHRAE Deccan Chapter; mentor is Mick Schwedler
 - d. Randy Reed, Idaho Chapter; mentor is Dennis Knight
- 2. Meet-and-greet scheduled for Friday, June 21 at 6pm. Kathleen, Rhiannon, Steph, and Vanessa will attend. Please notify Rhiannon or Lindsey if you're able to attend.
- 3. Wrap-up breakfast scheduled for Wednesday, June 26 at 9:30am. Rhiannon will attend, along with one other committee representative.
- 4. The scoring process this time went much smoother by only passing through the applicants that were qualified in the tech aspect questions.

iii. LeaDRS

- 1. Kansas City LeaDRS participants as of 5/15/19:

Region	DRC	LeaDRS Attendees for Kansas City Annual Conference
I	Christopher Phelan	
II	Jeff Clark	
III	Dunstan Macauley	No LeaDRS
IV	Billy Austin	Natalie MacDonald (Triangle Chapter)
V	Doug Fick	
VI	Benny Skelton	
VII	Michael Cooper	James Leverette (Birmingham Chapter)
VIII	Jon Symko	No LeaDRS
IX	Trent Hunt	Daniel C. Russell (Idaho Chapter)
X	Marites Calad	Elise Backstrom (Central Arizona Chapter)
XI	Russell Lavitt	
XII	Dan Rogers	Maria Veronica Roson (Argentina Chapter)
XIII	Ng Yong Kong	
XIV	Costas Balaras	No LeaDRS
RAL	Ahmad Alaa	Priyank S. Garg (India Chapter)

- 2. Going to stay with this being a regional program
- 3. Would like to remind each RVC, even those not in the Prof. Development subcommittee to make sure to reach out their regions/DRCs to get someone involved.

iv. HVAC Design Training Scholarship

- 1. Committee will continue to read through the applications and score.
- 2. Applications open through June 16, 2019.

v. Technical Committees

- 1. As of 5/13/19, the number of YEA members active on TCs is at 633, which is a 6.3% increase from the start of the Society Year.

vi. Conference Networking Events

1. The YEA Hospitality Suite is scheduled for Sunday, June 23 from 4-6pm.
Location TBD.
- vii. Student Retention
 1. As of 5/13/19, we've had 347 student transfers, which is a 6.4% increase from this time last year.
- viii. Liaison Positions
 1. I'd like to confirm with everyone on their positions:
 - a. SA – Baki
 - b. Membership – Alyse
 - c. PDC – Lindsay
 - d. CEC – Omer
 - e. RP – Jac
 - f. CTTC – Matt
 - g. GAC – Madison
 - h. H&A – Alyse
 - i. DRCs (if needed?) – Lindsay offered to pop into their breakfast to make sure they know we are around
 - j. TCs – open, if anyone is interested
- ix. Creation / Implementation of Developing Leaders Track
 1. This was discussed in our breakout session and it was the consensus of the group that we would need a little more information/direction on where to start with this. It's believed the idea behind it is to help get more involvement on the "YEA Award" since there were no applications in the Professional category. However, there seems to be such a wide range of "leadership" roles that it would be difficult to create a track for someone to follow. It's definitely not out of the question to get the task done, but would need to probably pick 1 or 2 "leadership" roles to start with and the group could not decide where to start.
 - a. I think we would need to find a "champion" from the Professional Development Subcommittee to really dig their teeth into this to start the process. It seems to me to be one of those items that just has to be started and figured out as it goes.
- x. YEA Technical Committee Guide
 1. Lindsey will send Rhiannon content to submit to ASHRAE Marketing.
6. Review of 18-19 MBOs
7. Next Meeting
 - a. Our YEA Committee meeting is scheduled for Saturday, June 22 from 8am – 3pm during the ASHRAE 2019 Annual Conference in Kansas City. Meeting Room: TBD. Attendance is required.

ATTACHMENT E

2019-2020 YEA Subcommittee assignments

Professional Development		Term Years	Personal Development		Term Years
Region III CHAIR – Lindsey King		2017-2020	Region II CHAIR – Alexis Gagnon		2017-2020
Region V Matt Colvin		2018-2021	Region IV Jackson Willis		2017-2020
Region XI Branislav (Baki) Cvijetinovic		2018-2021	Region VIII Madison Schultz		2018-2021
Region X Alyse Falconer		2017-2020	Region I Frank Paradiso		2019-2022
Region VII Jac Cooper		2017-2020	Region IX Jessica Errett		2019-2022
RAL Omer Khan		2017-2020	At Large Member <i>Carrie Anne Monplaisir</i>		2019-2020
Region XII Bruno Martinez		2019-2022			
Outreach Development		Term Years			
Region XIV CHAIR – Aleksandar Andelkovic		2017-2020			
Region XIII Kozen Law		2019-2022			
Region VI Mallory Schaus		2019-2022			
At Large Member <i>Ashu Gupta</i>		2019-2020			
CIBSE Consultant <i>Munis Hameed</i>		2019-2020			

ATTACHMENT F

SmartStart Weekend motion

Proposed CRC Motion

Motion Identification No.:

(Region No. _____, Motion No. _____, Date _____)

Moved By: _____ Chapter

Motion: YEA recommends that Region XX begin a Regional SmartStart Weekend effective with fiscal year 2020-2021.

Background Information: Attached.

Fiscal Impact: Approximated \$5,000 - \$15,000 each year. Additional details provided in the attached background document.

Vote Count:

For: _____ Against: _____ Abstained: _____ Chair Voting: _____

Passed: _____ Failed: _____ Withdrawn: _____

ASHRAE Regional SmartStart Weekend (SSW)

OVERVIEW:

A Regional program, SmartStart Weekend (SSW), is proposed to increase ASHRAE's local and therefore overall Student membership retention rate. The retention rate of post-high students is at 7%, and Society has seen a decreasing trend in this metric in recent years. SSW would be a program that is run, funded, and administered by each Region in order to develop current student members, who are the future ASHRAE leadership. While not specifically required, it is the intention of this program to prepare these student members with their upcoming duties and expectations as a leader through direct interaction current ASHRAE volunteers.

BACKGROUND:

SmartStart Weekend is a two-day career workshop for ASHRAE post-high Student members. The objective and benefit of SSW for ASHRAE is to increase Student membership retention rate at a local-level, inherently increasing Society-wide membership. The current retention rate of Student members after graduation is <10%. A trial-run of this program was implemented in April 2017 by the Central New York Chapter with a current retention rate of 35%! Feedback from the Central NY Chapter pilot SSW was used to more clearly define the scope of this program.

The objectives and benefits for the students are detailed in the following section and include introduction of students to career paths in the HVAC&R industry, educating students about ASHRAE, providing students networking opportunities with professionals, training students on how to run a successful student branch, and offering basic technical training and building tours.

Note that all fiscal impacts in this motion are based upon 50 students attending the SSW. On average, the financial breakdown shows nearly \$200 / student. The SSW in Central New York was funded by the Chapter Opportunity Fund (\$4,750) and company sponsorship (\$5,600). The event was free for ASHRAE student members (including hotel rooms and meals) and met the maximum attendance of 50 students – with a waitlist! The pilot event Summary Report, Participant Booklet, Sponsorship Information, and Budget are available in the appendix of this motion.

The pilot SSW was not offered in conjunction with CRC, however, the Student Activities and YEA Committees agree that a CRC is the optimal setting for a SSW for the following reasons:

- **Improve Networking Capabilities:** Students who attended the Central New York pilot event expected many more professionals in attendance to network with than the Chapter was able to attract locally (approximately 35 professionals including volunteers and speakers). A social event at a CRC typically attracts around 100-200 members. Therefore, a network event at a CRC will meet students' expectations and provide an avenue for members in the given Region to interact with, and potentially recruit, local students to join their organizations in our industry.
- **Additional Resources Available:** As a stand-alone event, the pilot event was achievable, yet challenging to execute at the chapter level in the 6-month turnaround time the Chapter Opportunity Fund granted. Therefore, the chapter inferred that expansion of the SSW program is better suited to be executed at the Regional Level; especially since attendance at the pilot event included students across all of Region I, and even included a few students from Regions II and III. In addition, meeting spaces, hotel accommodations, technical sessions, tours, and social/ networking events typically planned by the CRC Host Committee can be merged with the SSW activities – making better use of ASHRAE volunteers' time. Also, given that many CRC Host Committees start preparing for the CRC a couple of years in advance, a Region should have ample time to coordinate an SSW event in conjunction to the annual CRC. Given that CRC Host Chapters rotate annually in each Region, this will alternate the location of SSW to the students' benefit as well.
- **Improve Sponsorship Capabilities:** The Central NY Chapter noticed that obtaining sponsorship for the SSW pilot event was surprisingly easy compared to other Research Promotion activities and past CRCs executed by the Chapter. This was due to the fact that companies in our industry are actively seeking events to participate in that help them recruit students, especially local students interested in ASHRAE. For example, many companies provided donations out of their "HR Recruitment" budgets rather than

their "Community Affairs/ Sponsorship" budgets. As you can see from the Sponsorship Summary in the appendix, companies were incentivized to donate by potential recruitment opportunities of the Student members. If CRC Host Committees that implement SSW at their CRC utilize similar recruitment incentives for sponsorship, the committee can potentially see better returns on their income from CRC sponsorship and therefore improve the quality of the CRC.

A concern was identified with students being able to attend a Smart-Start Weekend in conjunction with a CRC since most Regions host CRCs during the summer when classes are not in session. The students who attended the SSW pilot event were sent a survey to gauge this concern. The survey showed that 70% of students said they would attend the event if it were held in August in conjunction with their Region's CRC. The other 30% who said they may not be able to attend an event held in the summer stated that this was due to potential internship obligation. It is assumed that the concern with internship conflicts in the summer is proportional to concerns during the school year with spending time away from academic studies. Therefore, this confirms that the CRC is an acceptable setting for a SmartStart Weekend.

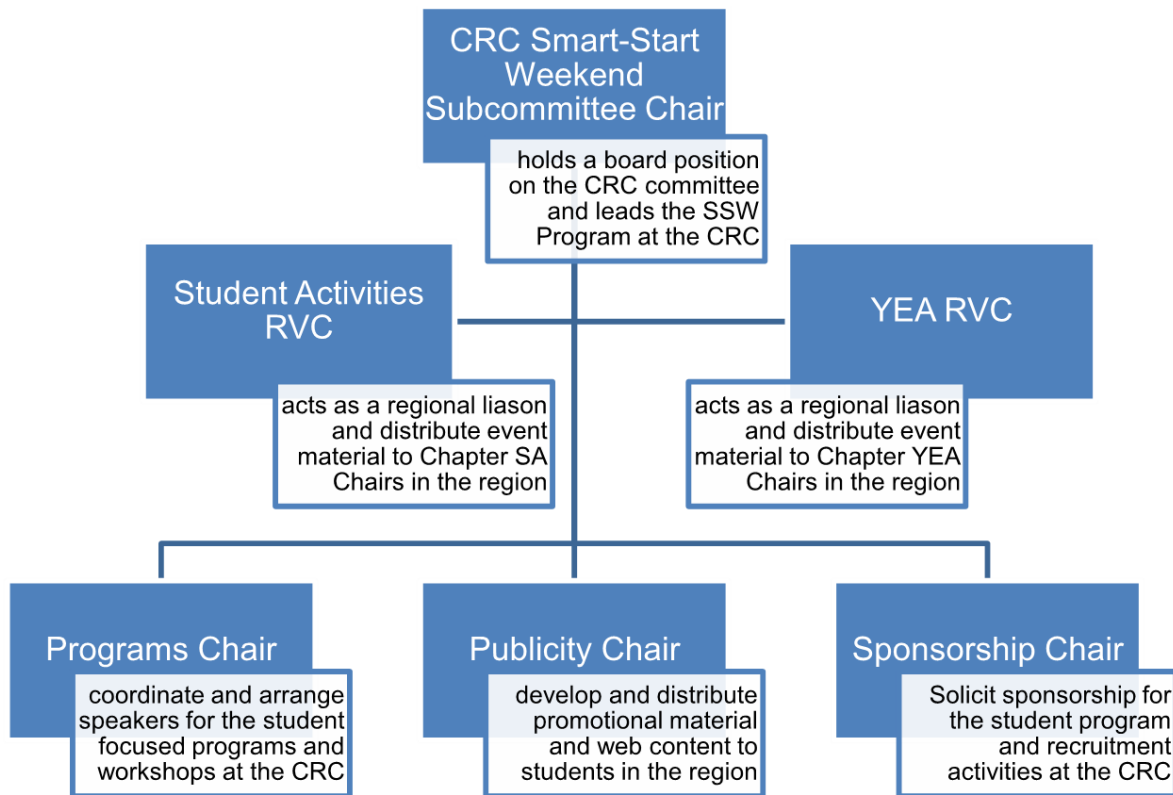
OBJECTIVES:

The SSW program objectives and benefits for Student members are as follows:

Program Objective	Benefit for ASHRAE
Introduce students to career paths in the HVAC&R industry	ASHRAE will retain more students if they are well informed on the job opportunities available in our industry and can match them to their personal career goals
Educate students about ASHRAE	ASHRAE will retain more students post-graduation if they gain a better understanding of the importance of ASHRAE and “being in the room”.
Provide networking opportunities with professionals	ASHRAE will retain more students if networking opportunities are provided at the regional level for members and CRC sponsors to recruit local students
Train students on how to run a successful student branch	ASHRAE will improve both established and newly formed student branches by offering training and a means for branches to exchange feedback and collaborate
Offer basic technical training and building tours	ASHRAE will bridge the gap for student branches seeking technical programs for students unable to attend Society Conferences by offering regional opportunities

SCOPE:

The Region create an annual CRC Host Committee SmartStart Weekend Subcommittee, which would be a subcommittee of the Region’s CRC Host Committee. The structure of the subcommittee and the description of the responsibilities for each position are depicted in the chart below. A proposed draft of the SmartStart Weekend Application Form is in the appendix of this motion. The SSW Subcommittee Chair will report directly to the CRC Host Committee General Chair. The CRC Host Committee Secretary and Treasurer will assume the responsibility of keeping meeting minutes and finances, respectively, for activities of the SSW Subcommittee. The SSW Subcommittee Programs Chair, Publicity Chair/ Webmaster, and Sponsorship Chair can hold other positions on the CRC Host Committee. For example, the Programs Chair for the CRC Host Committee can also assume the role as Program Chair for the SSW Subcommittee. However, it is recommended that separate volunteers are appointed onto the SSW Subcommittee, if possible.



RESPONSIBILITIES OF SSW PARTICIPANTS:

In return for the benefits of the program, the participants of the SSW will be expected to adhere to the following program responsibilities:

1. Ask questions, Ask Questions, ASK QUESTIONS! Take the opportunity to learn why the Society operates as it does.
2. Attend the program events and mingle with as many members as possible.
3. Submit a summary report to the SmartStart Weekend Chair.
4. Share their experiences with their fellow student members.

RESPONSIBILITIES OF ASHRAE VOLUNTEERS:

1. Be accessible and open to the SSW participants and encourage open communication.
2. Attempt to encourage the interaction of the participants with other society members.

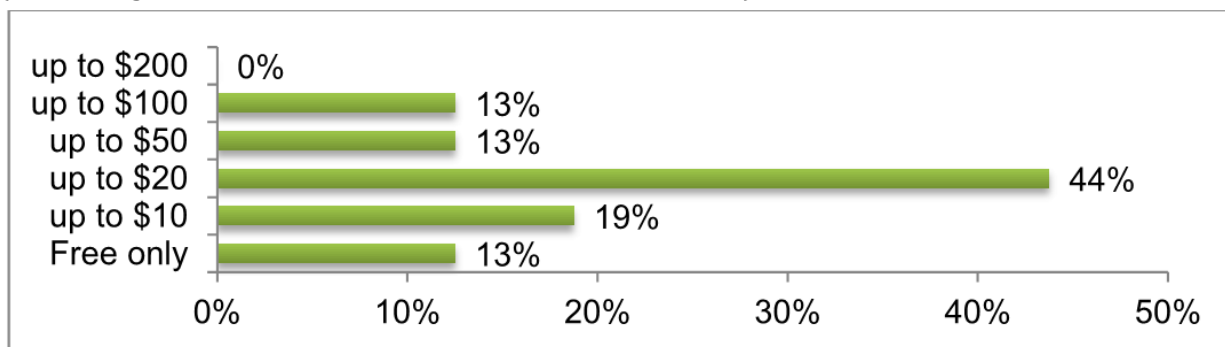
VALUE/BENEFIT TO MEMBERS AND THE ASHRAE STRATEGIC PLAN:

In order to maintain membership and ensure strong future Society leadership, there must be a focus on sustaining it through developing future leaders. The SSW will meet the Strategic Plan Goal of maximizing member value and engagements and will meet the Initiative of improving Chapter and Regional engagement, capacity, and support.

FISCAL IMPACT:

The Central New York Chapter pilot SSW cost \$9,420.08; the detailed breakdown is included in the appendix. It should be noted that the cost described covered the 50 participants hotel accommodations, meals for students and 25 volunteers, supplies, and space rental. Therefore, if 50 participants are able to attend each annual SmartStart Weekend, the fiscal year impact to the Region would be approximately \$10,000. The Central New York Chapter SSW received \$4,750 in funding from the Chapter Opportunity Fund and \$5,690 from sponsors. Based on the budget from the SSW pilot event in Syracuse, it is estimated that the Region budget \$5,000 annually, and request donations from sponsors to meet any additional needs.

The possibility of charging students a fee to attend an SSW event was considered, however, survey results from the pilot event concluded that only a nominal fee (approximately \$20) would be appropriate. In the survey, 100% of students stated they would not have attended the SSW event if costs for hotel accommodations were not included. The results from the survey question “If Smart-Start Weekend had charged a registration fee, what is the most you would pay to attend an event like this (considering hotel accommodations and meals would be included)?” are below:



Regarding transportation costs for student members to attend the SSW in larger Regions, both Chapters and Regions are requested to provide financial support for students from further Chapters to attend the SSW.

SUPPORT FROM YEA:

To assist Regions in administering this program, the YEA Committee will provide YEA information packets to the Regions who choose to move forward with this program. This packet can then be altered to meet the specific needs of a Region.

ASHRAE Strategic Plan

Development Process

This plan, developed by the ASHRAE Planning Committee in collaboration with the Board of Directors, will guide the work of the Society during the five-year period from 2019-2024. It was developed during 2018-2019 through a process initiated by a stakeholder engagement exercise involving members of ASHRAE and key industry organizations who gave their views on ASHRAE's position in the industry and its perceived strengths and challenges. With facilitation by the Planning Committee, the BOD then conducted a brainstorming session to develop preliminary objectives and initiatives. These included both outward-facing issues affecting the industry and society as well as inward-facing issues related to the needs of ASHRAE members and organizational efficiency.

The final phase of development was preparation of implementation plans, tracking procedures, promotional roll-out and budget estimates. The final plan was drafted by the Planning Committee with board oversight following multiple reviews, including review by Regional leadership teams. Communication of the new plan to councils and committees began in Spring 2019 with formal implementation beginning in July 2019.



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Strategic Plan Outcomes

- Higher levels of member engagement, satisfaction and loyalty
- Increased operational efficiency and market responsiveness
- Demonstrated leadership in meeting societal needs through expanded research, application to practice and strategic partnerships
- Increased awareness of ASHRAE and use of its technical resources among priority stakeholders
- Increased global adaptation of ASHRAE Standards
- Increased breadth in ASHRAE's product offerings

Core Values



Printed on 100% recycled paper



2019-2024 ASHRAE Strategic Plan At-A-Glance

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.



2019-2024 ASHRAE Strategic Plan At-A-Glance

Initiative Area: Built Environment of the Future

1

RESILIENT BUILDINGS AND COMMUNITIES



The cycle of building development, design and construction is moving more rapidly than ever. Key stakeholders in the design and construction process face new challenges of responding to a range of environmental, market and consumer-driven pressures. Increasingly, it is being recognized that "smart" buildings and integrated systems are central to successfully addressing challenges posed by climate change, natural disasters, accidents, disease and terrorism. ASHRAE must stimulate innovation and exploration related to these challenges, and promote best practices that enable adaptability, resilience and recovery of buildings and communities.

2

INDOOR ENVIRONMENTAL QUALITY



The indoor environment is increasingly recognized as the leading priority for built environment, with implications extending beyond simple acceptability of indoor conditions to its influence on productivity, learning and health. The indoor environment of the future identifies and optimizes interactions between air quality, thermal comfort, lighting and acoustics, based on a firm understanding of implications for occupants' health and wellness. ASHRAE convenes and collaborates with experts and stakeholders across the industry to engage in discussion and exploration of this topic to accelerate collective knowledge in the field. This initiative aims to elevate ASHRAE's role in facilitating this discussion, generating thought leadership and promoting understanding of indoor environmental quality (IEQ) among practitioners.

Initiative Area: Future of ASHRAE

3

ORGANIZATIONAL STREAMLINING



ASHRAE is a large and complex organization with hundreds of technical, standards and managerial committees, supported by a rich network of leaders and subject matter experts. ASHRAE will reach its potential for leadership and influence through an organizational structure that eliminates redundancy, has flexibility to adapt to regional differences and allocates valued time and resources to the most impactful pursuits. This initiative intends to improve internal governance, volunteer and staffing structures to ensure a strong connection across the societal organization and its chapters around the globe.

4

IMPROVE CHAPTER ENGAGEMENT, CAPACITY AND SUPPORT



ASHRAE must evaluate and develop methods to better engage chapters, regions and the members they serve in an integrated way. A more supportive and proactive strategy for chapter and regional oversight will minimize variability and ensure that all ASHRAE members experience a strong and valuable connection to the local and societal components.

GOAL 1 Position ASHRAE as an Essential Knowledge Resource for a Sustainable, High-Performance Built Environment

OBJECTIVES	INITIATIVES
a. Utilize a holistic approach to ASHRAE's offerings and activities to drive positive economic, environmental and social impact through innovation in building design and operations	
b. Expand capabilities globally to create, aggregate and disseminate essential information and knowledge focusing on emerging market trends and transformative approaches	

GOAL 2 Maximize Member Value and Engagement

OBJECTIVES	INITIATIVES
a. Infuse enthusiasm, vitality and diversity throughout ASHRAE events and services	
b. Expand the impact of collaboration and partnerships with industry organizations, universities and government agencies	
c. Leverage technology to increase member engagement, awareness and value	

GOAL 3 Optimize ASHRAE's Organizational Structure to Maximize Performance

OBJECTIVES	INITIATIVES
a. Prototype and launch new approaches that will increase ASHRAE's relevance and speed to market for key offerings	
b. Optimize ASHRAE's organizational systems and structures to increase capacity, efficiency and effectiveness	
c. Cultivate industry and member philanthropy to extend ASHRAE's impact and reach	

KEY



Resilient Buildings and Communities



Indoor Environmental Quality



Organizational Streamlining



Improve Chapter Engagement, Capacity and Support

ATTACHMENT H

2019-2020 YEA MBOs

Item #	MBO	Status	Date Due	Assigned To	MBO Comments
1	Increase YEA membership by 15% (10,787 to 12,405)	Ongoing	6/30/2020	YEA Committee	Continue to grow the YEA demographic and encourage involvement
2	Increase number of YEA members participating on TCs by 15% (589 to 677)	Ongoing	6/30/2020	Professional Development Subcommittee	We have been working with TAC to increase awareness and participation to YEA members. Redesign TC YEA guide and include information for international members. Look at each Region's YEA participation.
3	Full Circle for entire YEA Committee	Ongoing	11/15/2019	YEA Committee	To encourage all YEA members to donate, the committee wants to lead by example
4	Develop a plan to promote educational resources for international YEA members	Ongoing	6/30/2020	Outreach Development Subcommittee	Provide educational resources for international YEA members who might not be able to attend existing YEA programs. Translate cheat sheet into SI.
5	Chapter/Member Outreach	Ongoing	6/30/2020	YEA Committee	Continue/increase the communication between YEA RVC's and YCC's so that membership is informed of programs and events. Submit reporting form bi-annually.
6	100% submission of CRC YEA workshop sign-in sheet	Ongoing	Within one month of CRC	YEA Committee	In order to track YCC attendance at CRC YEA workshops, all YEA RVCs need to submit their workshop sign-in sheets. To encourage adequate training, we want at least 80% of YCCs (or co-chairs) to attend their CRCs and YEA Workshop.
7	Maintain an annual joint College of Fellows mentoring event	Ongoing	6/30/2020	Personal Development Subcommittee	Maintain an organized event that promotes networking and mentorship with the College of Fellows
8	Establish new YEA liaisons from allied industry associations	Ongoing	6/30/2020	Outreach Development Subcommittee	Collaborate with allied industries. Identify new liaisons for the YEA Committee and have at least one attend an ASHRAE Conference within the 2019-2020 Society Year.
9	Social media posts for every YEA Leadership Weekend event	Ongoing	6/30/2020	Personal Development Subcommittee	One post prior and one post after event, at minimum. Intent to promote the event and encourage attendance, and also show the value of the program.