



Historical Committee

Meeting of Friday, January 15, 2021

Minutes

1. Call to Order

Mr. Borges called the meeting to order at 9:00 am.

2. Code of Ethics and Values Commitment

Mr. Borges read the ASHRAE Code of Ethics and Values Commitment aloud to the committee.

3. Introduction of Subcommittee Members and Visitors

Committee members and guests introduced themselves.

Committee Members

Dean Borges, Chair
Spencer Morasch
Atilla Biyikoglu
Nissun Feiner
Bernard Nagengast
Glenn Remington
Branislav Todorovic - **absent**
Ahmed Alaa Eldin Mohamed - **absent**
Bill Dean

Mr. William Lull also attended as a guest.

4. Review of Agenda

Mr. Borges reviewed the agenda with the committee noting that new items could be discussed under New Business.

5. Approval of Minutes

It was moved and seconded:

- (1) **Approve the draft minutes as distributed for the June 9, 2020 Meeting.**

Historical Committee Minutes · Jan 15, 2021 · Virtual Meeting

Background: Historical Committee Meeting Minutes were distributed and posted to Basecamp and shown in *Attachment A*.

Fiscal Impact: None.

MOTION (1) Approved 5-0-0, CNV

An action item was assigned to staff post these approved minutes to the Historical Committee page of the ASHRAE website. **(ACTION ITEM 1)** *Completed.*

6. Action Items

<u>No.</u>	<u>Responsible</u>	<u>Action Item</u>
1	Staff	Post Approved minutes from Meeting of June 9, 2020. <i>Completed.</i>
2	Remington	Meet with a trained archivist to discuss the development of a “finding aid” for ASHRAE's archive.
3	Nagengast	Develop parameters and guidelines for content inclusion in ASHRAE's archive.
4	Feiner	Develop an outline for templates and procedures for document storage ASHRAE's archive.
5	Morasch	Develop an Historical Newsletter.
6	Feiner	Develop a document reporting on diversity in ASHRAE and the HVACR industry.

7. Historical Committee MBOs

The Historical Committee MBOs are shown in *Attachment B*.

1. [Develop proposals to improve the opportunities for Regional Historians to participate in Historical Committee activities.](#)

With a limited budget, the committee will continue to encourage on-line participation of RVCs at committee meetings.

2. [Develop PAOE and recommended changes to 2021- 2022 PAOE.](#)

Mr. Borges reported this MBO completed as shown in *Attachment C*.

3. [History VC PAOE update summary report at Annual & Winter Meetings to include copy to 2019-2020 Annual meeting.](#)

Historical Committee Minutes · Jan 15, 2021 · Virtual Meeting

Mr. Borges reported this MBO completed.

4. Encourage Chapter Historians who don't attend their Regional CRC to complete the Chapter Historians Training Power Point & promote on-line workshop participation at CRCs.

Mr. Borges will be developing a PowerPoint Presentation for Historian's Training.

5. Foster collaboration with other international societies to improve our historical research and support history-related activities of the Society.

Mr. Borges reported the committee is continuing to collaborate with similar groups and has links in CIBSE and AiCARR. Additionally, there may be opportunities to pursue to work with similar committees in CEN, IIAR, AAR and GCCA.

The committee discussed the ASME website article on Jacob Perkins by Mark Crawford from June 12, 2012, as an example of historical articles that appeal to larger audiences.

(<https://www.asme.org/topics-resources/content/jacob-perkins>)

6. Encourage younger members of ASHRAE to have interest in history-related activities of the Society.

Mr. Borges reported this MBO completed.

7. Leadership Recall - arrange for videos at Annual Meeting 2021.

This MBO will remains on-going. The ASHRAE Annual Meeting for June 2021 will be a virtual meeting once again this year due to Covid-19. The committee will continue efforts to schedule virtual and in-person meetings.

8. Digitize archived Journals & Transactions.

This MBO will remains on-going and the committee will continue efforts for digitalization of ASHRAE material.

8. Historical Subcommittees

8.1 **Administrative/Archives**

The committee discussed at length the long-term goal and efforts to digitize ASHRAE archives. A "finding aid", defined as a tool to help users find *most requested items* within an archive, was discussed as an important component of an effective archive. Mr. Remington volunteered to try and meet with a trained archivist to discuss the development of a "finding aid".

(ACTION ITEM 2)

The committee still plans to use Basecamp as storage and communication between committee members.

Historical Committee Minutes · Jan 15, 2021 · Virtual Meeting

The committee discussed the archive project procedures and strategies. It was decided Mr. Nagengast and Mr. Remington will work on developing parameters and guidelines for historical content to be included in the archive. **(ACTION ITEM 3)**

Basecamp was discussed as a potential storage solution for electronic documents and files. A template or structure might need to be created for that specific use. Mr. Feiner will work on developing an outline for templates and procedures for document storage ASHRAE's archive. **(ACTION ITEM 4)**

8.2 Communications/Historians Guidelines

Mr. Morasch reported that the Historian Guidelines document is current and up to date. After some discussion of reinstituting the Historians Newsletter, Mr. Morasch with help from Mr. Nagengast volunteered to work on developing a newsletter again will report to the committee on their progress at the next meeting. **(ACTION ITEM 5)**

8.3 Awards/Leadership Voices

Mr. Borges reported that Mr. William McGinn has been nominated for the ASHRAE Hall of Fame.

Ms. Shelia Hayter and Mr. Barney Buroughs have been chosen for the next two Leadership Voices interviews to be filmed at the next in-person meeting. The committee also discussed the importance of including industry innovators and leaders, as well as, retired staff.

Mr. Borges also reported to the committee that the ASHRAE employee assigned videography has left ASHRAE and there is no plan to fill this position again. Mr. Lull volunteered to video interviews when they can be done in the future.

The committee discussed that although they do not endorse candidates for either Hall of Fame or Pioneers of the Industry, both individuals and/or the committee can nominate someone.

Historical Committee discussed the pilot plaque project which will be installed in Orange, Texas.

9. New Business

The committee discussed the Society's efforts to encourage diversity with the establishment of a Task Group. Mr. Feiner will work on developing a document related to historical diversity within ASHRAE. **(ACTION ITEM 6)**

10. Other Business

Mr. Borges reported all projects for 125th anniversary have been completed except for one due to the cancellation of an in-person ASHRAE Conference.

Before Ms. Emily Sigman retired, she had been asked to search the ASHRAE archive for articles related to the Spanish Flu Epidemic of 1918 for possible comparison to ASHRAE's response to Covid-19. She reported back that she could very little on the subject and no article referencing the subject in ASHRAE Transactions.

Historical Committee Minutes · Jan 15, 2021 · Virtual Meeting

11. Adjournment

Mr. Borges adjourned the meeting at 11:04 am.

<u>Minutes & Attachment List - Jan 15, 2021</u>		<u>Pages</u>
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HISTORICAL COMMITTEE

Minutes

June 9, 2020

ASHRAE Virtual Conference

<u>Introduction of Members and Visitors:</u> Voting Members present Stan Westhoff, Chair Dean Borges, Vice Chair Niss Feiner Spencer Morasch Bern Nagengast Glenn Remington Branko Todorovic <u>Region Historians Present</u> Tom Pollard, Region II Hans Cromer, Region ? Dean Borges, Region X Drew Godfrey, Region VII Gary Cooper, Region IX John Davant, Region XII KC Ng, Region XIII Alkis Triantafyllopoulos, Region XIV Atilla Biyikoglu, Region at Large	<u>Guests:</u> Nadia Ali David Arnold Bruce Flaniken Jeff Haberl Julie Harr Cindy Michaels Randy Schrecengost <u>Staff present:</u> Joslyn Ratcliff Emily Sigman, staff liaison to Historical <u>BOD Ex-Officio:</u> Ahmed Alaa El Din, BOD Ex-Officio <u>Coordinating Officer:</u> Farooq Mehboob (2019-2020)
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Call to Order:

Mr. Westhoff called the meeting to order at 10:00 am.

Code of Ethics:

Mr. Westhoff read the Code of Ethics:

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. (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)

Review of Agenda:

The agenda was reviewed and accepted.

Approval of Minutes:

Mrs. Sigman provided a draft copy of the minutes of the Historical Committee's meeting in Orlando to the committee for review via Basecamp.

Motion 1: It was moved that the minutes of the meeting of February 4, 2020 be approved. Mr. Nagengast moved; Mr. Feiner seconded. Approved. 7-0-0 CV

BOD Ex-O Presentation: (Attachment A)

Dr. Alaa as BOD Ex-Officio, presented a slide show of the Society's activities over the past year.

Report on Projects for 125th Anniversary: (Attachment B)

Mr. Nagengast made a complete report on the status of the various projects for the 125th Anniversary. He stated that all projects are complete with the exception of Dr. Arnold's book which was promoted during the virtual conference and is scheduled to be published summer of 2020.

Dr. Arnold was most complimentary of staff and their support and assistance in getting the book to press.

Mr. Todorovic mentioned the need for a book or document concerning the history of air conditioning and humidity.

Mr. Nagengast asked if he would be willing to write it

Mr. Todorovic said that he would.

Mr. Nagengast continued his review of his report. In summary, he stated that a lot more papers for ASHRAE Journal had been received than expected. He said that the timeline project had been postponed. Note: since the meeting took place the timeline which was published to [ashrae.org](https://www.ashrae.org/about/mission-and-vision/ashrae-industry-history#timeline) in early July 2020. <https://www.ashrae.org/about/mission-and-vision/ashrae-industry-history#timeline>

Mr. Westhoff asked about the historical markers or plaques and if there would be funding for them.

Mr. Nagengast stated that they should be self-funded and suggested that the Regions promote them.

Mr. Borges mentioned a scarf that was sold in Orlando.

Mr. Nagengast said that was a good example of a chapter's ingenuity.

Leadership Voices, Lou Flagg Award, Hall of Fame and Pioneers of the Industry

Mr. Westhoff then asked Mr. Morasch to discuss Leadership Voices and other Honors and Awards.

Mr. Morasch said that plans to videotape Presidential members Bjarne Olesen and Sheila Hayter had been put on hold due to the pandemic, but he hoped they could be scheduled and filmed during the Austin conference in 2021. He then mentioned that nominations for the Lou Flagg award were due by

December 1. He also stated that the Hall of Fame is handled by the Honor and Awards Committee. The decision for that award is made by the Honors and Awards Committee, but nominations can come from anyone including the Historical committee or individuals as long as the proposed candidate met the criteria and that there was enough supporting documentation.

Mr. Feiner provided an update on the nominations he had made for Hall of Fame. He stated that Hugh Barron and William McKay might still be considered, but that his nomination for Louis Hart had been rejected. He spoke to Honors and Awards committee and they told him the strength of his documentation was part of the reason. **Note:** since our meeting, Mr. Feiner has received notice that the application for both Hugh Barron and William MacKay for ASHRAE Hall of Fame were accepted.

Mr. Morasch stated that no more than two Hall of Fame candidates are selected per year, but suggested the Mr. Feiner resubmit Mr. Hart's name.

Mr. Nagengast told Mr. Morasch that another similar award is Pioneers of the Industry which had not been mentioned. Those nominations can also come from an individual or a committee.

Mr. Feiner asked if candidates can be chosen from as long ago as the Roman Empire or earlier.

Mr. Nagengast said yes, the main issue could be getting enough documentation. He also wanted to encourage international Regional Historians to nominate candidates from their areas.

MBOs: (Attachment C)

Mr. Westhoff reviewed his MBOs. With the exception of those that are and will continue to be ongoing, he had completed all of them.

PAOE: (Attachment D)

At the beginning of this meeting, but reported here:

Mr. Borges asked if President-Elect Chuck Gulledge had made any comments or final decisions regarding PAOE.

Mr. Schrecengost answered Mr. Borges and let the committee know that there had been a lot of modifications to line items in various categories. He changed some point values. His main goal was to consolidate. He added a 2020-21 Presidential Initiatives Master List.

The remainder of this discussion took place later and follows here:

Mr. Borges reviewed his report of chapter and region PAOE activity. He stated that many Regions are active in their reporting of PAOE points.

Mr. Feiner asked if he had to compile the figures and Mr. Borges told him yes.

Mr. Westhoff said the committee needs to figure out a better way to disseminate information to the RVCs.

Mr. Borges mentioned the contest that Pam Immekus used to have for the chapters in her region when she was Historian for Region IV. She would ask each chapter to present their history in some fashion whether it was a video, a presentation, or displays – whatever worked best – at the CRC. The winner received a \$100 gift card.

Mr. Nagengast asked if the historical newsletter would be reactivated. It was a useful tool to encourage the RVCs, Regions, and Chapters in collecting and preserving their histories.

Mr. Westhoff agreed it was a good idea.

Mr. Borges asked why the newsletter had ceased publication.

Mr. Nagengast said that it was created by a committee member as part of a subcommittee but once he no longer was writing it, it fell off.

Mr. Borges liked the idea and hoped to resurrect it.

Mr. Borges responded to a question asking if the training PowerPoint was available and said it had been posted.

Library and Archives

The discussion segued to how best to care for and store historical data and artifacts.

Mr. Remington volunteered to put together a literature review and send an email asking what people need. He will put together a summary review.

Dr. Haberl said that TC 4.7 has historical information on simulation

Mr. Remington wants peer support. He wants the focus to be on how our volunteers can manage materials.

Mr. Feiner expressed strong support for the use of climate-controlled storage. He asked if there was any way to add a request for donations on the member application.

Mr. Morasch stated that was a great idea.

Dr. Haberl mentioned the extensive vault in use by the University of Texas and suggested that ASHRAE could contact them and ask if they could store the ASHRAE archives.

Mr. Nagengast reminded the committee that if you give your materials to someone else to store you run the risk of losing them.

Mrs. Sigman stated that Carrier had closed their library about 20 years ago and the collection was disposed of.

Mr. Cooper asked if there was a limit on storage in Basecamp, as an accessible electronic alternative.

Mrs. Ratcliff confirmed that there were no space limitations in Basecamp.

Mr. Remington asked if there was a software platform in place

Mr. Cooper said that could be a future discussion. The Committee should help chapters and regions to find and identify their historical materials and to provide guidance on how to scan and store the information.

Mr. Nagengast reminded everyone that the Historians Handbook contains a lot of useful information about how to manage and store historical and archival information.

Mr. Cooper said that would be a good guideline. He asked if the storage in Basecamp can be structured.

Mr. Westhoff requested Mr. Remington to explore the topic and make recommendations on what he finds.

Mr. Remington said he would be happy to take that on.

Dr. Haberl offered to give assistance.

Transition of Vice Chair to Chair

Mr. Westhoff formally recognized Mr. Borges as the new chair and Mr. Morasch as the new vice-chair of the committee.

Mr. Borges reviewed his years at ASHRAE and the positions he has filled as a volunteer, including all chapter positions, many region activities including DRC of Region 10, 1996-1999. He has served on Technology Council and standards committees. He firmly believes that preserving and advancing history is an important endeavor.

MBOs 2020-21: (Attachment E)

He then reviewed his MBOs.

Subcommittee Assignments: (Attachment F)

One issue he saw was the need to re-establish the communications subcommittee. He would like to know how many chapters were celebrating milestone anniversaries. And he would like to see the Historians newsletter re-established.

Both Dr. Haberl and Mr. Cooper volunteered to help with the administrative/archives subcommittee.

Mr. Nagengast welcomed new committee member, Atilla Biyikoglu.

Mr. Cooper talked about how Region IX has been reducing the number of workshops in order to reduce costs. They have surveyed everyone to see if that has been successful. He said the CRC may be a blend of workshops and meetings.

Mr. Todorovic committed to preparing a UNESCO proposal. He stated that he hoped we could all meet again in January.

Mr. Borges thanked everyone for attending virtually. He expressed the hope that the weather will be good and the virus go away by the time of the winter conference.

Mr. Westhoff expressed his thanks to everyone and in particular to Mr. Nagengast for his tireless and successful efforts in managing the 125th celebration projects.

Mr. Nagengast said it never could have happened without the people who worked on the various projects.

Dr. Haberl mentioned that he had uncovered about six new early building simulation programs.

Dr. Alaa said he hope the experience of using Go to Meeting which allowed Region Historians to attend the Historical Committee meeting virtually would be used regularly in meetings.

Mr. Ng stated that the Region XIII CRC would be held virtually.

Dr. Alaa agreed and said that many CRCs this year would be virtual.

Mr. Ng asked for guidance on how to prepare for a virtual CRC.

Mr. Flaniken suggested that he contact Jon Symko.

Mr. Schrecengost said he had attended a virtual CRC and suggested Mr. Ng contact him and he would give him guidance.

Mr. Borges stated the Region X CRC would also be virtual.

Mrs. Sigman announced that she was retiring at the end of the year.

Adjournment:

It was moved that the meeting be adjourned. Mr. Borges moved; Mr. Feiner seconded. Approved 6-0-0
CV

Mr. Westhoff adjourned the meeting at 12:08 PM.

ASHRAE 2020 **Virtual Conference** ►

ASHRAE UPDATE

ExO Report to Committees

ASHRAE 2020 Virtual Conference



CELEBRATING
125
YEARS

In this and all other ASHRAE meetings...

Code of Ethics

“We will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and we shall avoid all real or perceived conflicts of interest.”



Upcoming Conferences



2020 Virtual Conference | June 29-July 2, 2020

- 90+ sessions covering trends and technology in the HVACR industry
- Leadership presentations and addresses
- Virtual social events and professional development
- **Registration is open now! Visit ashrae.org/2020virtual**



2021 Winter Conference & AHR Expo in Chicago, IL | Jan. 23-27, 2021

- Over 100 sessions and topics presented by over 300 speakers
- The world's largest HVACR show
- Social events, tours and professional development
- **Registration opens September 2020, visit ashrae.org/chicago**

Please visit ashrae.org/conferences for the latest updates on these and other conferences

The recent pandemic may have an impact on these events

Upcoming Topical Conferences



2020 Building Performance Analysis Conference & SimBuild Co-organized by ASHRAE and IBPSA-USA | September 29- October 1, 2020 | Virtual

- Registration is open now! Visit ashrae.org/BuildPerform2020

The Fourth International Conference on Efficient Building Design | Postponed to 2021 | Beirut, Lebanon

- Visit ashrae.org/Beirut



IAQ 2020: Indoor Environmental Quality Performance Approaches | Postponed to 2021 | Athens, Greece

- Visit ashrae.org/IAQ2020



Ventilation 2021: 13th International Industrial Ventilation Conference for Contaminant Control | August 15-18, 2021 | Toronto, Canada

- Visit ashrae.org/Ventilation2021

Please visit ashrae.org/conferences for the latest updates on these and other conferences

The recent pandemic may have an impact on these events

Leadership Moments



Leadership Moments taking place at the 2020 Virtual Conference
June 29 – July 2 at 12:30pm

Monday, June 29

State of the Society/Farewell Address
2019-20 ASHRAE President Darryl K. Boyce, P.Eng.

Tuesday, June 30

Secretary's Report
ASHRAE Executive Vice President Jeff Littleton

Wednesday, July 1

ASHRAE Board Recognition

Thursday, July 2

ASHRAE's Vision For the Future
The ASHRAE Digital Lighthouse and Industry 4.0.
2020-21 ASHRAE President Chuck Gulledge, P.E.

Learn more at ashrae.org/2020virtual



Nominations Needed NOW!

- Nominations for appointed standing committees are sought annually
- Speak with your committee ExO if your current appointment ends **June 2021** and you wish to be nominated for another committee Society Year 2021-22
- Self-nomination is also encouraged
- Nominations are due by **mid-February 2021**
- Councils are elected by the Board of Directors, but nominations are welcome
- Council, RAC, TAC, Standards and Handbook nominations are due **mid-September 2020**



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.

ashrae.org/commercialism



Sexual Harassment

The Society takes Sexual Harassment seriously and does not condone it.

Every employee is given our policy in the Employee Handbook and all members can read our policy here:

<https://www.ashrae.org/about/governance/ashrae-discrimination-and-harassment-policy>

All instances of harassment must immediately be reported in writing to ASHRAE's Executive Vice President.

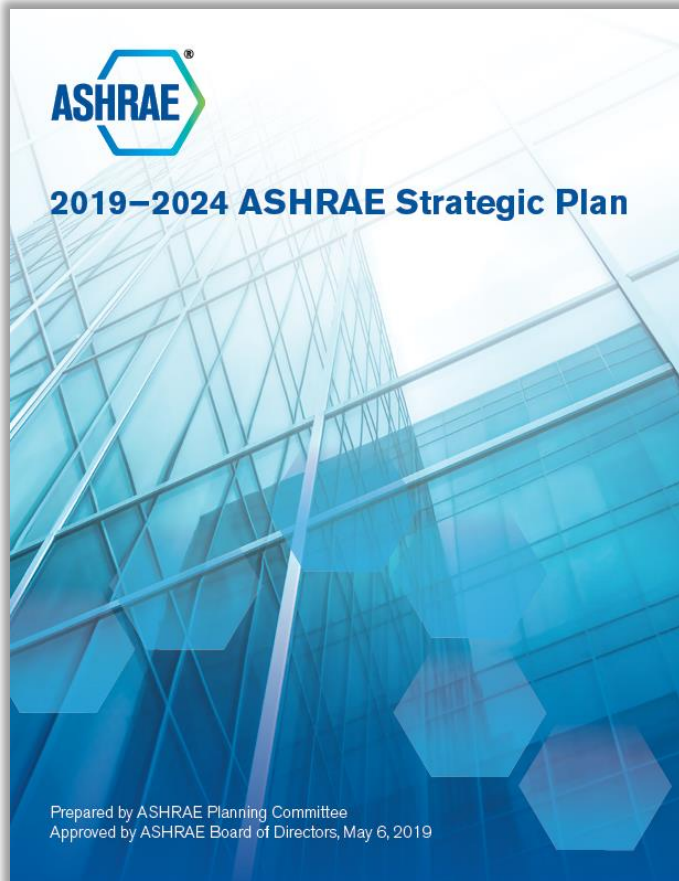
Any member found to have violated this policy will be subject to disciplinary action, up to and including expulsion from membership in accordance with the Code of Ethics Enforcement Procedures and ASHRAE's Bylaws.

ASHRAE is committed to educating members to eliminate all instances of sexual harassment. The Society will soon deploy an online training program to Society volunteers to help educate and protect all members, and to sustain the professional environment members deserve and expect.

This training will be a requirement prior to serving on certain standing committee and/or leadership position.

Please contact hr@ashrae.org to arrange to take the training before assuming a leadership position.

2019-2024 ASHRAE Strategic Plan



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.

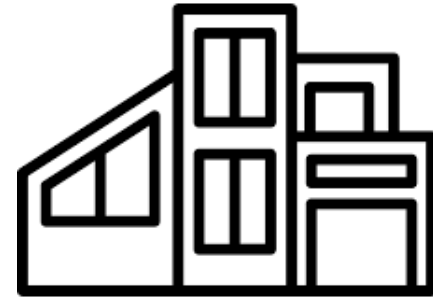
Strategic Plan Resources available ashrae.org/strategicplan

- Full **2019–2024 Strategic Plan** in PDF format
- Quick and Simple **Strategic Plan At-a-Glance** in PDF format
- **Strategic Plan Presentations**
 - 2019–2024 ASHRAE Strategic Plan Overview PPT
 - Recordings of *Kansas City Seminar 27: The ASHRAE 2019-2024 Strategic Plan: What and Why* in MP4 format

ASHRAE Vision 2030 and Beyond: Buildings of the Future

The *ASHRAE Vision 2030 And Beyond – Buildings of the Future Presidential Ad Hoc Committee* is being established to position ASHRAE and its members to lead the evolution of buildings during this period of accelerated change.

- Will build and expand upon the ASHRAE report released in June of 2007 *ASHRAE Vision 2020: Producing Net Zero Energy Buildings*.
- Launched jointly by 2019-20 ASHRAE President Darryl Boyce and 2019-20 ASHRAE President-Elect Chuck Gullett.
- Charged with defining how buildings of the future will be designed and built, what future buildings will look like, and how they will be operated.
- The Ad Hoc Committee should provide an interim report during the Chicago Winter Conference in January 2021 and a final report during the June 2021 Annual Meeting in Phoenix.



Government Affairs

The mission of ASHRAE's Government Affairs office is to establish ASHRAE as a leading source for expertise in the built environment and a resource for policy-makers in the development of legislation and regulations affecting the public, the HVAC&R community and the engineering profession.

Activities include:

- Coordination of **Semi-Annual Senior Leadership Meetings** in Washington, DC.
 - Government agencies, elected officials, aligned organizations
- **Government Outreach Days** planning and support
 - Connecting ASHRAE volunteer members with their elected officials and policy makers
- **Congressional Briefings & Testimony + Regulatory Meetings/Hearings/Comments**
 - FEMA-DRRA Guidance
 - U.S. Senate Committee on Environmental and Public Works – HFC Phasedown Legislation
 - Congressional Clean Energy Expo and Policy Forum
 - U.S. House Committee on Energy and Commerce – Climate Legislation
- **Letters** related to **GAC Public Policy Priorities**
 - Workforce development, resiliency and disaster recovery, infrastructure, DOE/EERE, Energy STAR and energy tax extenders



ashrae.org/government-affairs



Government Affairs: Member-led Government Outreach Events

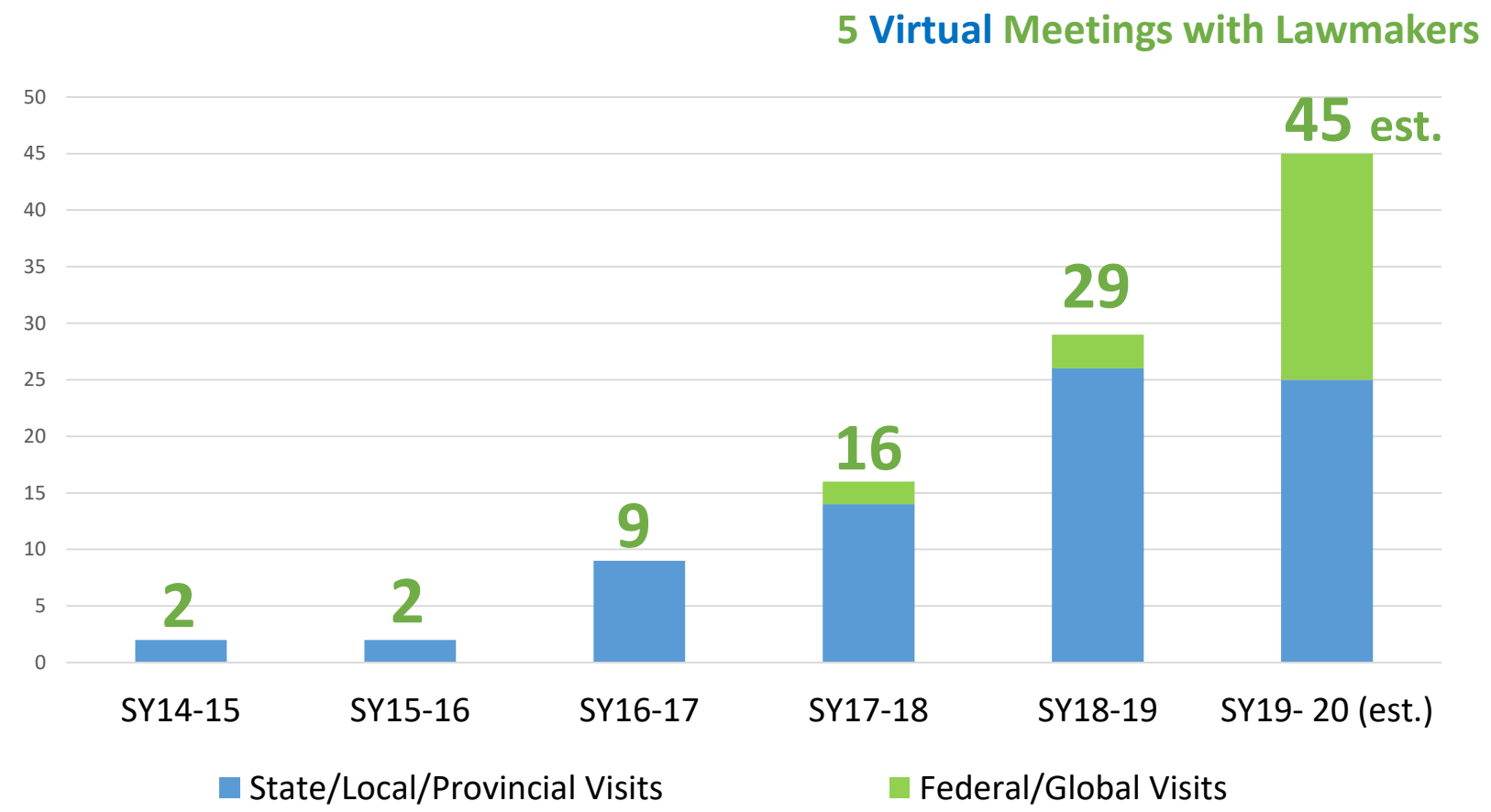


115+ Member Participants 

130+ Meetings 

ashrae.org/advocacytoolkit

All ASHRAE Members are invited to participate – Get Involved!



Signed Memoranda of Understanding



- American Chemistry Council (ACC)



- APPA: Leadership in Educational Facilities (APPA)



- International Facility Management Association (IFMA)



- National Environmental Balancing Bureau (NEBB)



- National Institute of Standards and Technology – U.S. Depart of Commerce (NIST)



- Smart Cities Council



- United Nations Environment Programme (UNEP)

For more information, visit:
ashrae.org/mous



ASHRAE Epidemic Task Force

The primary role of the task force is to maintain communication with members, industry partners, building owners, facility operators, government agencies and the general public.

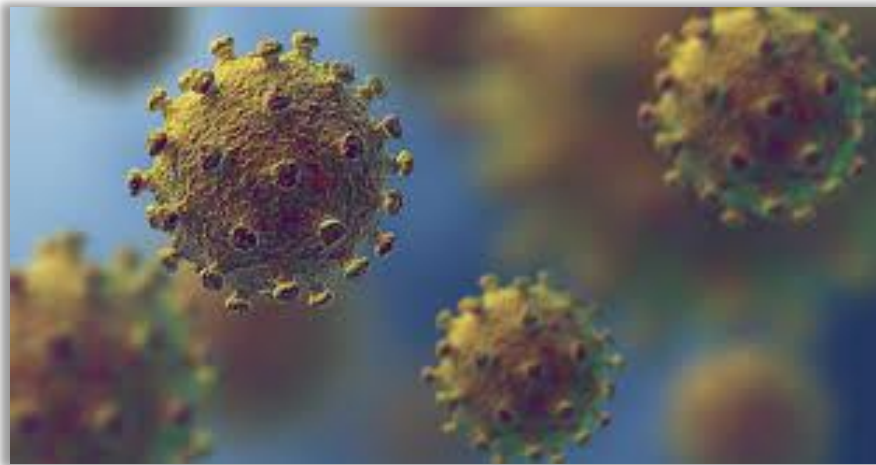
- Respond to the current COVID-19 pandemic
 - ✓ Immediate – guidance for immediate implementation (focus on healthcare capacity and emergency operations of other buildings)
 - ✓ Near-term - guidance to prepare for a possible second wave
- Develop resources to mitigate the effects of future epidemics
- Leverage ASHRAE resources to maximize responsiveness

Technical inquiries emailed to
COVID-19@ashrae.org
5-10 technical inquiries/day answered by
Task Force members

ASHRAE Epidemic Task Force

The ASHRAE Epidemic Task Force has been established to help deploy ASHRAE's technical resources to address the challenges of the current pandemic and future epidemics as it relates to the effects of heating, ventilation, and air-conditioning systems on disease transmission in healthcare facilities, the workplace, home, public and recreational environments. The task force will also provide recommendations for setting up temporary field hospitals in convention centers, arenas and indoor stadia to deal with surges.

The Epidemic Task Force's Media Presence



- Close to **20** media interviews
- More than **225,000** visitors to **ashrae.org/COVID19**
- More than **100** media placements
- Over **556,474,545** media impressions*

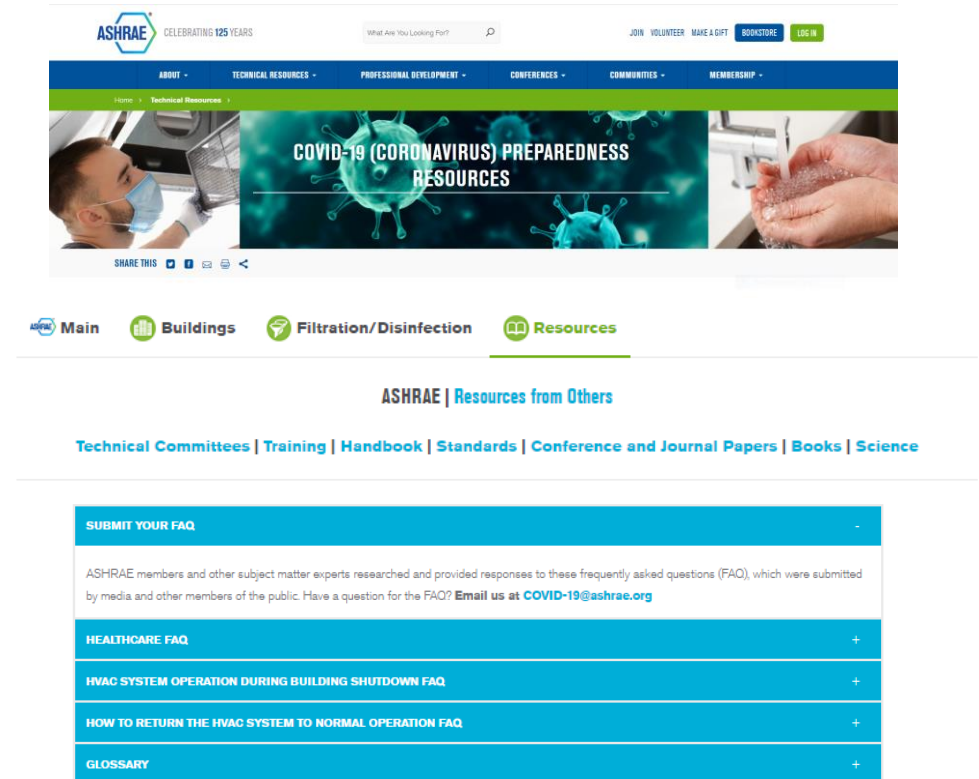
**Total number of times a piece of media content is viewed; total exposure*

ashrae.org/COVID19

COVID-19 Preparedness Resources

- Buildings and Schools Reopening Guidance
- FAQs
- Free ASHRAE Resources
 - ✓ ASHRAE training
 - ✓ Handbooks
 - ✓ Standards
 - ✓ Research papers
 - ✓ Seminars
 - ✓ Press coverage

**ASHRAE BOD approved Statements, Position Document on
Infectious Aerosols
Environmental Health Committee's Emerging Issue Brief
*Pandemic COVID-19 & Airborne Transmission***



ashrae.org/COVID19

ASHRAE New Global HQ



- Renovation kick-off Jan. 10, 2020
- Construction is on schedule
- Showcases a net-zero-energy ready building
- Demonstrates the latest HVAC&R equipment and technology
- Move expected by October 2020

180 Technology Parkway
Peachtree Corners, GA



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: **Darden Company** (*formerly known as Collins Project Management*)

Construction Manager at Risk: **Skanska**

Commissioning Agent: **Epsten Group**



For more information, visit:
ashrae.org/newhq



New HQ Building Campaign

THANK YOU!

Campaign to Date: May 2020

Total Raised: \$10.5M+

- All Cash and Pledges: \$6,471,700
- Gifts of Equipment & Services: \$4,043,088 (List Value)

Breakdown:

- Largest Gift: \$5,000,000 – NIBE
- ASHRAE Foundation: \$300,000
- Members: \$173,475
- Corporate Donors: 28 have participated!
- **\$3,000,000+ Still to Go!**
- Support of this Critical Project is Still Needed from Members and Industry Partners



**180 Technology Parkway
Peachtree Corners, GA**

**For more information, visit: ashrae.org/newhq
To donate, visit: ashrae.org/buildingcampaign**

New HQ Building Campaign



180 Technology Parkway
Peachtree Corners, GA

ASHRAE Members Rock!

- **ASHRAE Volunteers** have played an integral role:
 - Development Committee, Building Ad-Hoc Committee, Technical Advisory Subcommittee
- **Key Leadership** who have visited prospects with staff:
 - Darryl Boyce, Chuck Gulledge, Tom Phoenix, Dennis Knight, Ginger Scoggins, Don Brandt, Tim McGinn, Dennis Wessel, and Jeff Littleton

THANK YOU!

For more information, visit: ashrae.org/newhq
To donate, visit: ashrae.org/buildingcampaign

ASHRAE Resources

ASHRAE Technology Portal	Your one-stop location for ASHRAE papers, articles, reports, Handbook PDFs, and seminar recordings.	ashrae.org/technology-portal
Online Standards Database	Allows access to public review drafts for standards, guidelines, and addenda to submit comments, to do online balloting, and to submit proposals to standards and guidelines.	ashrae.org/publicreviews
Zero Energy Advanced Energy Design Guides	For offices and K-12 schools are available for free download. Multifamily AEDG available Summer 2020.	ashrae.org/freeaedg
Science and Technology For the Built Environment	Provides free online access to ASHRAE's archival research publication offering comprehensive reporting of original research.	ashrae.org/technical-resources/science-and-technology-for-the-built-environment
ASHRAE Technical Apps	Deliver mobile design, calculation, and analysis tools to the palm of your hand.	ashrae.org/technical-resources/technical-apps
ASHRAE's Free Resources	Offer downloads of a variety of well-known resources to everyone.	ashrae.org/technical-resources/free-resources

Selected Recent Publications

- Standards 62.1-2019, 62.2-2019, Standard 90.4-2019, and Standard 147-2019
- Guideline 41-2020, *Design, Installation and Commissioning of Variable Refrigerant Flow (VRF) Systems*
- *Smart Grid Application Guide: Integrating Facilities with the Electric Grid*
- *ASHRAE Position Document on Infectious Aerosols*
- *High-Performance Buildings Simplified*
- *Air-Conditioning System Design Manual*, 3rd ed.
- 125th Anniversary: *Proclaiming the Truth*, 2nd ed.; *Adventures in Heat & Cold*
- *Damp Buildings, Human Health, and HVAC Design* (MTG report)
- *ASHRAE Position Document on Energy Efficiency in Buildings*
- Guideline 12-2020, *Minimizing the Risk of Legionellosis Associated with Building Water Systems*



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ASHRAE
CELEBRATING
125
YEARS

Upcoming Publications

Spring 2020

- *ASHRAE Design Guide for Low- to Mid-Rise Multifamily Residential Buildings*
- *ASHRAE Design Guide for Tall, Supertall, and Megatall Building Systems*, 2nd ed.

Summer 2020

- *20th Century Air Conditioning*
- *HVAC Fast Facts I-P*
- *Advanced Energy Design Guide for Multifamily Buildings: Achieving Zero Energy*
- Spanish translation: *ASHRAE Design Guide for DOAS*
- *A Practitioner's Guide to Engineering Management*

Fall 2020

- *Designing for Operational Excellence*
- *Duct Systems Design Guide*
- *ASHRAE Guide for Hazardous Spaces*
- *Design Guide for Combustion Turbine Inlet Air Cooling Systems*, 2nd ed.
- *ASHRAE/REHVA Guidebook Towards Zero Energy Hospital Buildings*
- *ASHRAE Design Guide for Natural Ventilation*



ASHRAE Learning Institute (ALI)

New & Updated Courses offered in the 2020 Online Course Series

- Air-to-Air Energy Recovery Applications: Best Practices
- Designing and Operating High-Performing Healthcare HVAC Systems
- Designing for Cold Climates
- Guideline 36: Best in Class HVAC Control Sequences
- Laboratory Exhaust Stacks: Safe and Energy-Efficient Design
- Principles of Building Commissioning: ASHRAE Guideline 0 and Standard 202
- Reducing Infectious Disease Transmission with UVGI (*1 hr*)
- Save 40% by Complying with Standard 90.1-2019
- V in HVAC – What, Why, Where, How, and How Much

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ASHRAE Certification

NEW! Digital Badging

- Embedded metadata uniquely linked to certificants
- Shareable in electronic media, including LinkedIn
- Over 7,000 badge views

NEW! Certified HVAC Designer (CHD) Study Guide Launching July 2020

COMING SOON! Remotely Proctored Examination

- Conveniently sit for an exam from your home or office
- Online proctoring is as secure as physical test centers, and the quality of the exam remains the same

More details will be made available in July 2020



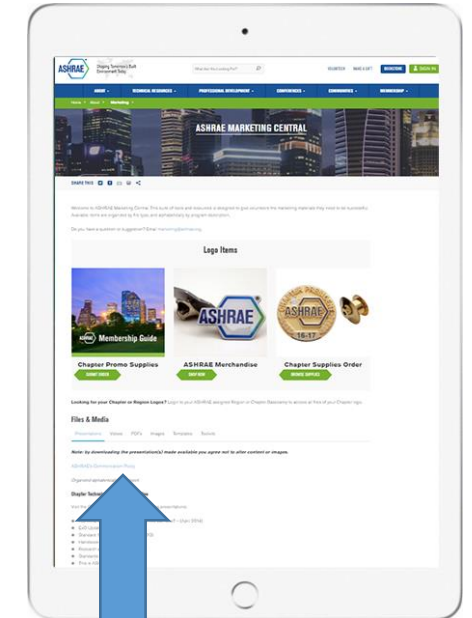
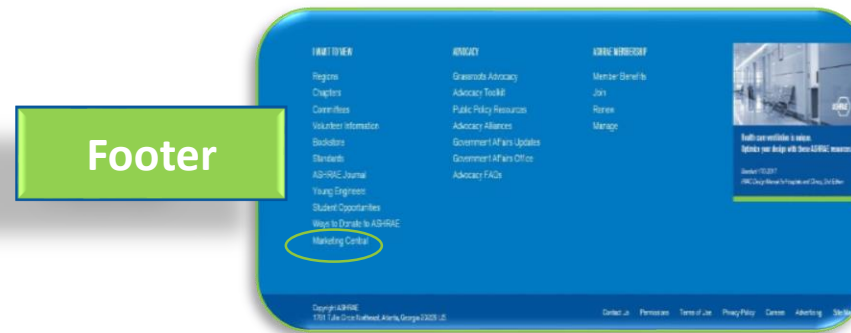
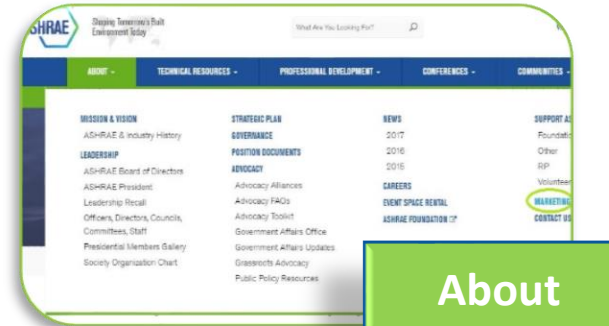
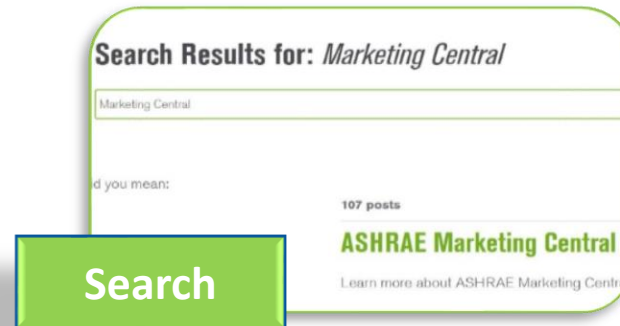
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Marketing Central

Resources for Society-related marketing materials

- PowerPoint Presentations
- Videos
- PDFs
- Images
- Templates
- Toolkits
- Websites & Forms
- News & Events
- Grassroots
- Going to a show? Order a pull-up banner or table top sign with your Chapter logo!

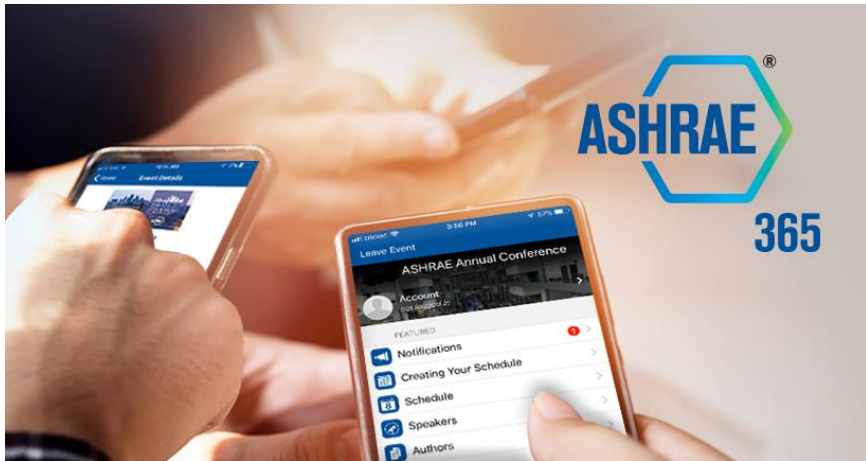
How to find Marketing Central:



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Over **9,000** views for both Tech Hours combined!

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- Participants may be eligible to receive one PDH
- New videos published quarterly
 - ✓ Tech Hour #1: **Optimize Occupant Health, Building Energy Performance and Revenue through Indoor-Air Hydration**
 - ✓ Tech Hour #2 : **Where Have All the Ethics Gone?**
 - ✓ Tech Hour #3 : TBD Summer 2020

ashrae.org/techhour



Virtual Conference Feedback

Members and committees are encouraged to share Virtual Conference feedback with their ExO.



What was good?
What could have been better?

Questions?

Thank You!



ashrae.org

UPDATE to ASHRAE 125th Anniversary Sub-Committee and ASHRAE Historical Committee

Subcommittee Membership:

Bern Nagengast, Chair
Branco Torodovich
Niss Feiner

Former Subcommittee Members

Kent Anderson
Jeff Haberl
Pam Immekus
Eric Sturm
Ron Vallort

Interested individuals who asked to be kept in the loop:

David Arnold
Bruce Flaniken
Randy Schrecengost
George Menzies

copy to Emily Sigman, Steve Comstock, Mark Owen, Stan Westhoff, Dean Borges

Update as of June 8, 2020

All of the active 125th anniversary projects are completed or nearing completion. Please see the following report for all of the projects, including canceled or inactive projects.

Bern Nagengast
125th Sub-Committee chair



Historical Committee (HC))

ASHRAE 125 Year Anniversary Celebration – Project Status

As of June 8, 2020

Active or completed:

“History of development of air conditioning systems 1920-2020”

Focus would be both equipment and materials, written and illustrated to appeal to engineers as well as a wider audience. Author: David Arnold

Total Fiscal Impact: -20000

Status as of January 13: Project progressing – Mr. Arnold has selected topics to be covered. The time period has been extended back before 1920. *

Status – Active: The book is undergoing editing and will be promoted at the virtual Annual Meeting, June 2020, and published soon after.

“HVAC&R Giants”

Published in January 2020 as a 155 page soft cover book titled *Adventures in Heat & Cold: Men and women who made your lives better*. Author: Bernard Nagengast with Randy Schrecengost.

Total projected Fiscal Impact: -20000

Status – Complete: Available for sale in the ASHRAE bookstore.

125 most important Transaction Papers

Published as part of *Proclaiming the Truth 2nd. Edition*. Has Abstracts of papers/articles published between 1895 and 2019 were published in the First edition of *Proclaiming the Truth*. Responsibility: Eric Sturm, Steve Comstock and staff. Total Fiscal Impact: 0

Status – Complete: The updated list was included in the second edition of *Proclaiming the Truth*.

Publish 6 to 12 historical articles in the ASHRAE Journal.

Articles considered for publication will appeal to the more general interest of *Journal* readers. *ASHRAE Journal* staff has selected most of the articles.

Possible publication of as many as one article per month from July 1919 through June 2020.

Responsibility: Jay Scott and *Journal* staff. Total Fiscal Impact: 0

Status – Active: Series began with the September 2019 issue is being published as editing and reviews allow.

Sponsor at least one technical paper session for the winter and annual 2020 meetings.

Solicit 4 or more papers to be presented in a technical session or sessions (preferably in a format that would be published as a permanent record in *ASHRAE Transactions*) Papers would target specific historical advances or could address a broader history of HVAC&R Technology.

Responsibility: Jeff Haberl. Total Fiscal Impact: 0

Status – Complete: One session was held at the Kansas City annual meeting and two sessions at the 2020 winter meeting.

Develop a pictorial calendar for 2019 and 2020. This was to be similar to the historical calendars produced annually by CIBSE. These calendars could be sold by ASHRAE to members and companies.

Author: Pam Immekus

This project had been suspended due to defunding by PEC, however the ASHRAE Life Members Club approved funding up to \$25000. for the project. The concept was modified to an online timeline idea. Sarah Foster and Tani Palefski of the Journal staff are administering the project.

Status – Active: Although this project is currently inactive due to Journal workload and short-staffing the project will be completed eventually, possibly using free lance help.

ASHRAE Society History (*Proclaiming the Truth 2nd Edition*)

Proclaiming the Truth book was updated to cover the 25 year period after the Centennial.

This is not a Historical Committee project.

Responsibility: Steve Comstock and staff.

second edition of *Proclaiming the Truth* was distributed as part of the registration package at the Winter Meeting 2020 and is also available for sale in the ASHRAE bookstore.

ASHRAE Oral History

Short oral histories by ASHRAE members. Specific use to be defined but can be used on ASHRAE Website and as basis of presentation at 2020 Winter Conference or in display.

This is not a Historical Committee project.
Responsibility: ASHRAE Staff (Krys Gilstrap)

Status – Complete: A video presentation featuring 20 short interviews was available for the Winter 2020 meeting.

ASHRAE Historical Markers

Identification of HVAC&R related historical sites by plaques, ASHRAE Website information, etc. with possible opportunities for ASHRAE marketing. Proposed by Larry Markel.

Historical Markers is being proposed as an on-going program after the 125th celebration. PEC has requested the Historical Committee to devise a pilot program.

Status – Active: A pilot launch of the project at Orange Texas, site of the first air conditioned church, was approved by the Historical Committee project at the 2019 winter meeting. Bruce Flaniken has been managing the pilot effort and a bronze plaque has been completed that was be dedicated in Orange, Sunday April 26th, 2020 the day after the CRC in Houston, Texas, the plaque to be presented by ASHRAE's president. Since the CRC was canceled due to the Covid-19 situation, the presentation will be rescheduled for later this year. A date has not been finalized yet.

Inactive or canceled

“How HVAC&R has improved the quality of life worldwide”

This was to be written to appeal to a general audience thus promoting the importance of engineering and ASHRAE as a benefit to humanity. Author: Ron Vallort and Vanita Gupta
ASHRAE Marketing staff.

This project was canceled in 2019 due to defunding by PEC.

“Evolution of components and design build practices after 1900”

This would cover the development of factory engineering and construction practices from the inventors/innovators design build to the application manufacturing to application engineering to engineering consultants and then mechanical contractors. Author: Bruce Flaniken

Budgeted as Total Fiscal Impact: -20000.

Mr. Flaniken envisions this as a ASHRAE Journal article(s).

Status – Inactive: Completion and publication as an article will be in the future. If published as a Journal article there will be no need to request any specific funding.

HVAC&R Museum

Display at 2020 Winter Conference. Similar to the museum display at the 1995 Centennial meeting. Sponsorships to be solicited.

This is not a Historical Committee project.

Responsibility: ASHRAE Staff

This project was canceled in 2019 due to defunding by PEC.

ASHRAE Journal Advertising Supplement

Features invited company histories and ads, similar to the feature published for the ASHRAE Centennial. To be published in the December 2019 *Journal*.

This is not a Historical Committee project.

Responsibility: Greg Martin

Status – this was not published in December. Instead, advertisers were invited to bring historical themes into their existing advertisements.

Historical Committee 2019-2020 MBOs --Stan Westhoff History Chair

Objective	PR	Completion Date	Fiscal Impact	Delegated to:	Status	Comment
HC MBO 1 Develop proposals to improve the opportunities for Regional Historians to participate in Historical Committee activities.	1	Winter 2020 Orlando	None	RVC Guideline sub committee	Ongoing	Continue on-line participation of (RVCs) at Committee meetings.
HC MBO 2 Develop PAOE Recommended Changes to 2020-2021 PAOE	1	2020 Austin	none		Complete February	To get ahead of the PAOE Committee Cycle with proposal for the following year's PAOE Letter in Summer 2020.
HC MBO 3 History VC PAOE Update Summary Report at Annual & Winter Meetings to include copy similar to 2018-2019 Annual meeting	1	Winter & Annual	None	VC Report	Complete February	To encourage RVCs to target the below PAR performing Chapters in their Region based on the previous year's History PAOE Summary.
HC MBO 4 Encourage Chapter Historians who don't Attend their Regional CRC to complete the Chapter Historians Training Power Point and promote on-line workshop participation at CRCs	1	Winter 2020	minor	RVC Guideline sub committee	Complete February	Update the Chapter Historians Training PowerPoint. Add points for submittal of a completed MBO with phone discussion with RVC History prior August 30 of fiscal year. Promote on-line workshop participation at CRCs
HC MBO 5 Assist in publicizing 125 th Anniversary. Develop information of historical interest that can be presented at Society & Regional Meetings	1	Summer 2020	Major	125th Anniversary Celebration sub committee	Complete June 2020	Continue 125th Seminar and Historical Articles Promotions with PEC to support the 125th anniversary and demonstrate to members the strength in depth of our Society.
HC MBO 6 Develop proposal for publication/s to celebrate 125th Anniversary	1	Summer 2020	To Be Advised	Historical Committee	Complete February	Continue working on and supporting 125th Publications to PEC.
HC MBO 7 Foster collaboration with other international societies to improve our historical research and support history-related activities of the Society	4	Summer 2020	None	Historical Committee	Ongoing	Continue work on collaboration. HC has links with similar groups in CIBSE and AiCARR - opportunity to pursue to work w/similar committees in CEN, International Institute of Ammonia Refrigeration (IIR), International Institute of Refrigeration (IIR), & Global Cold Chain Alliance (GCCA).
HC MBO 8 Encourage younger members of ASHRAE to have interest in history-related activities of the Society	2	Summer 2020	None	Historical Committee	Complete February	Proposing to keep the PAOE line item "For a local Chapter Historical activity performed by an actively engaged YEA member"
HC MBO 9 Leadership Recall Arrange for videos at Annual meeting 2020	2	Summer 2020	Verify \$1,000 Budgeted	Historical Committee	Ongoing	Arrange two Presidential interviews. Review other potential interviewees
HC MBO 10 Digitize Archived Journals + Transactions	3	Summer 2020	Major	Historical Committee/P EC	Ongoing	Encourage digitalization of all Society Journals and Transactions
HC MBO 11 Incorporate a Women In Engineering component to the 125 Year ASHRAE Anniversary celebration	1	Summer 2020	None	Historical Committee	Complete (WIA now called Diverse)	Continue WIA PAOE Support in History
Jun 22-26, 2019 – Kansas City,						Feb 1-5, 2020 – Orlando, FL

HISTORY VICE CHAIR PAOE SUMMARY REPORT
ORLANDO WINTER MEETING -- FEBRUARY 2, 2020

Regions	Total PAOE	Chapters @ "0" PAOE	Chapters @ MIN	Chapters @ PAR
I	5255	3	11	7
II	4100	0	9	7
III	1075	5	5	1
IV	1650	4	3	3
V	2100	1	10	3
VI	1600	3	8	3
VII	4050	2	11	6
VIII	7325	2	12	9
IX	2750	3	10	5
X	5925	0	14	9
XI	1750	3	8	2
XII	7125	3	13	11
XIII	3700	0	10	6
XIV	100	8	1	0
Region- At-Large	7775	7	16	9
Grand Total	56280			

Top 10 Chapters	Top 10 PAOE
HOUSTON	1550
CENTRAL OKL	1300
NORTHERN NEVADA	1275
INDIA	1200
BRASIL	1125
SRI LANKAN	1050
COLOMBIA	1000
TWIN TIERS	980
NORTHEAST	965
PYRAMIDS	950

1. Each Regional Historian to reach out to Chapter Historians/Presidents with ZERO PAOE History points and help them get to Minimum PAOE of 100.
2. Each Regional Historian to reach out to Chapter Historians/Presidents with less than 300 PAR PAOE points and encourage them to get PAR.

REGION II

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 500; PAR 800	RP: Minimum 800; PAR 1050	Communi- cations: Minimum 250; PAR 650	Chapter Operation s: Minimum 600; PAR 1200	Chapter Technolog y Transfer: Minimum 550; PAR 1050	Governm ent Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
13	QUEBEC	167	675	525	3025	1057	674	785	1175	550	550	9016
14	MONTREAL	540	675	1720	600	415	825	1175	1350	900	1400	9060
15	OTTAWA VALLEY	427	400	710	915	960	525	450	875	0	1325	6160
16	TORONTO	1081	750	1210	1050	1490	495	1510	1575	200	1525	9805
37	HAMILTON	273	450	1105	1170	845	250	425	875	1000	600	6720
100	HALIFAX	185	250	805	650	715	200	785	925	350	350	5030
116	LONDON (CANADA)	123	300	825	850	808	825	1225	1100	650	800	7383
117	NB/PEI	152	250	535	50	328	500	1155	2300	500	400	6018
141	WINDSOR	69	350	1000	855	556	665	1550	1075	2200	1050	9301

Total PAOE 4100

Avg PAOE 456

2019-2020 Presidential Award of Excellence

Total PAOE	1075
Avg PAOE	98

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
21	PHILADELPHIA	891	100	880	550	1025	0	620	0	1450	200	4825
22	CENTRAL PENNSYLVANIA	381	0	480	450	430	0	520	0	0	200	2080
23	JOHNSTOWN	59	150	300	0	544	0	10	0	0	300	1304
24	PITTSBURGH	309	50	570	2320	815	195	160	350	0	1075	5535
25	BALTIMORE	742	350	830	375	1630	600	1145	1275	2250	1450	9905
26	NATIONAL CAPITAL	995	0	1110	650	585	50	1320	0	1350	925	5990
27	HAMPTON ROADS	170	275	350	300	655	50	160	0	350	600	2740
28	RICHMOND	347	150	585	375	400	355	455	900	400	900	4520
98	LEHIGH VALLEY	140	0	395	0	1195	0	180	0	0	550	2320
125	ROANOKE	156	0	125	0	140	0	230	0	0	300	795
134	ANTHRACITE	99	0	0	150	620	0	20	0	0	200	990

REGION IV

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
29	NORTH PIEDMONT	195	0	770	710	996	0	950	800	720	775	5721
30	SOUTHERN PIEDMONT	359	350	895	150	737	50	860	150	2230	300	5722
31	SOUTH CAROLINA	143	0	270	295	285	0	100	0	200	250	1400
32	ATLANTA	992	350	1550	300	600	620	2430	1550	3350	1450	12200
97	GREENVILLE	184	0	200	100	105	0	120	50	0	300	875
106	TRIANGLE	459	950	965	2550	1290	872	3080	2650	4150	2300	18807
113	CHARLESTON	143	0	375	50	772	0	270	1425	620	200	3712

Total PAOE 1650

Avg PAOE 236

REGION V

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications : Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
38	CLEVELAND	332	400	710	250	1305	715	1220	1550	350	350	6850
39	COLUMBUS	373	100	400	840	1420	0	210	300	200	100	3570
40	CINCINNATI	264	100	275	150	210	50	230	825	300	200	2340
41	DAYTON	210	525	575	1699	1300	429	110	300	100	200	5238
42	TOLEDO	114	100	175	100	130	0	190	0	100	450	1245
43	CENTRAL INDIANA	333	100	650	1421	755	0	380	1350	0	950	5606
44	EVANSVILLE	54	0	0	0	1045	50	165	250	50	0	1560
45	DETROIT	575	75	500	230	2558	200	765	200	100	625	5253
47	WESTERN MICHIGAN	338	100	360	200	940	0	300	0	300	300	2500
90	AKRON/CANTON	145	100	125	250	650	0	40	0	0	300	1465
103	NORTHERN INDIANA	76	100	160	0	244	0	70	200	200	100	1074
120	FORT WAYNE	74	400	530	165	1050	255	605	625	700	525	4855
		Total PAOE	2100									
		Avg. per Chapter	175									

2019-2020 Presidential Award of Excellence

Total PAOE	1600
Avg. PAOE	145

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
48	WISCONSIN	350	100	250	100	1565	305	400	375	600	575	4270
49	ILLINOIS	1225	350	975	1150	330	250	1345	3100	300	1950	9750
50	CENTRAL ILLINOIS	133	100	215	150	170	25	245	50	550	275	1780
51	IOWA	307	0	620	100	1010	40	260	1175	150	400	3755
52	MINNESOTA	878	0	630	800	610	523	1445	1175	300	2025	7508
54	ST LOUIS	672	0	425	550	585	0	340	0	150	275	2325
95	MADISON	265	375	425	125	235	767	410	0	900	750	3987
107	NORTHEAST WISCONSIN	153	100	345	0	770	0	140	175	100	300	1930
115	LA CROSSE AREA	128	475	395	575	650	385	740	725	900	775	5620
123	MISSISSIPPI VALLEY	104	100	100	0	250	175	80	500	0	400	1605
159	CEDAR VALLEY	83	100	150	224	175	300	1255	1225	800	800	5029

REGION VII

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communication s: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
55	LOUISVILLE	185	800	850	265	995	850	1655	1850	100	800	8165
56	MEMPHIS	171	250	175	395	350	225	910	1100	0	975	4380
57	BIRMINGHAM	250	0	585	200	1015	500	205	775	0	1100	4380
58	MOBILE	50	50	50	850	775	400	240	500	50	475	3390
59	NEW ORLEANS	124	450	400	50	375	715	930	1475	700	775	5870
60	BATON ROUGE	91	0	25	0	395	250	20	100	0	100	890
61	MISSISSIPPI	94	250	270	75	707	410	385	725	1400	900	5122
88	NASHVILLE	333	300	705	1245	610	250	160	1025	0	100	4395
99	EAST TENNESSEE	213	350	600	825	948	680	1205	1075	350	925	6958
114	TENNESSEE VALLEY	88	100	500	125	510	725	1070	1075	550	700	5355
128	BLUEGRASS	112	850	685	928	910	695	830	1500	550	1050	7998
130	NORTHWEST FLORIDA	62	200	270	500	700	425	555	725	450	50	3875
133	NORTH ALABAMA	56	150	135	50	165	175	30	100	0	0	805
192	WEST VIRGINIA	78	300	745	1200	1160	855	1540	700	1500	1000	9000

Total PAOE 4050
Avg. PAOE 289

REGION VIII

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE ointTotals
62	ARKANSAS	235	750	725	1755	1227	1215	3315	2975	1070	1800	14832
64	HOUSTON	766	1550	1180	1620	1257	1295	2070	2075	1900	1300	14247
65	ALAMO	232	350	235	200	686	300	377	625	150	425	3348
66	AUSTIN	363	825	1200	975	1009	936	1840	2025	1200	1775	11785
67	DALLAS	707	0	745	575	970	200	310	300	200	450	3750
68	CENTRAL OKLAHOMA	287	1300	815	1660	1288	1044	1695	1475	2700	900	12877
69	NORTHEASTERN OKLAHOMA	198	200	225	700	919	955	880	725	2200	200	7004
70	FORT WORTH	296	475	700	915	1858	1058	1360	2125	950	950	10391
71	WEST TEXAS	83	100	175	0	240	0	140	125	100	300	1180
91	EAST TEXAS	125	50	400	400	136	25	175	100	0	400	1686
154	SOUTH TEXAS	63	100	225	50	2294	0	80	0	100	100	2949
165	MEXICO CITY	102	350	275	775	170	550	1380	1175	1150	175	6000
166	MONTERREY	134	925	965	1917	935	1370	2490	2905	2300	1700	15507
173	GUADALAJARA	31	0	325	0	100	0	50	0	0	0	475
208	NORTHWEST ARKANSAS	129	350	560	265	573	930	305	600	800	1250	5633

PAOE Total 7325

Avg. PAOE 488

2019-2020 Presidential Award of Excellence

Total PAOE	2750
Avg. PAOE	212

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE ointTotals
53	KANSAS CITY	661	650	1845	1965	1100	925	1565	1550	960	1925	12485
72	EL PASO	49	0	370	100	560	25	60	0	200	525	1840
73	ROCKY MOUNTAIN	953	0	605	1500	462	50	1050	325	400	525	4917
74	UTAH	321	425	1315	450	550	510	1210	1725	900	700	7785
75	NEBRASKA	375	400	880	1100	620	847	1090	1700	1350	2200	10187
76	WICHITA	139	100	325	450	1035	250	125	0	450	250	2985
77	NEW MEXICO	151	325	385	711	615	622	585	450	300	1000	4993
93	SOUTH DAKOTA	125	0	470	150	431	665	60	0	1050	500	3326
127	BLACK HILLS	51	100	225	0	265	50	20	900	0	100	1660
131	BIG SKY	122	100	350	300	90	183	515	525	0	225	2288
135	IDAHO	166	100	1105	250	390	1150	215	250	300	700	4460
148	PIKES PEAK	127	450	570	560	1140	325	715	725	700	375	5560
150	OZARKS	73	100	275	315	100	0	90	0	300	250	1430

REGION X

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE ointTotals
81	SACRAMENTO VALLEY	287	225	450	200	580	0	170	0	100	300	2025
82	GOLDEN GATE	898	375	785	725	420	0	760	0	0	825	3890
83	SAN JOAQUIN	112	175	220	125	90	0	110	425	100	200	1445
84	SOUTHERN CALIFORNIA	703	475	550	450	520	0	490	0	100	625	3210
85	SAN DIEGO	362	325	480	340	854	0	190	0	100	700	2989
86	CENTRAL ARIZONA	432	575	810	1295	805	570	960	1375	350	1375	8115
87	TUCSON	101	575	390	175	1182	50	20	0	950	400	3742
92	SOUTHERN NEVADA	158	225	150	50	270	75	40	0	0	350	1160
101	SAN JOSE	308	325	460	2770	595	50	190	0	200	1575	6165
105	ORANGE EMPIRE	397	575	545	300	1200	50	260	0	0	650	3580
108	HAWAII	248	225	430	890	840	250	320	1400	100	1325	5780
126	NORTHERN NEVADA	93	1275	470	220	830	450	695	900	100	475	5415
144	SIERRA DELTA	50	200	320	150	810	0	130	0	1150	200	2960
155	TRI COUNTY	78	375	225	1163	150	0	10	175	0	300	2398

Total PAOE
Avg. PAOE

5925
423

REGION XI

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications : Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE ointTotals
17	MANITOBA	183	100	260	95	100	150	225	25	0	325	1280
18	SOUTHERN ALBERTA	387	100	650	1184	805	590	760	675	0	900	5664
19	NORTHERN ALBERTA	281	100	505	790	510	50	50	0	0	100	2105
20	BRITISH COLUMBIA	573	600	970	920	2700	740	1710	1325	1000	950	10915
78	INLAND EMPIRE	146	0	425	1490	390	50	455	100	0	575	3485
79	PUGET SOUND	799	200	825	900	290	480	935	725	0	250	4605
80	OREGON	608	0	605	1750	1035	0	420	0	250	1175	5235
96	REGINA	103	150	280	1720	442	150	505	975	100	650	4972
102	SASKATOON	109	0	430	920	391	0	80	50	0	600	2471
122	ALASKA	190	400	430	610	2897	323	730	575	1250	1200	8415
145	VANCOUVER ISLAND	96	100	335	595	225	0	580	900	650	700	4085

Total PAOE 1750
Avg. PAOE 159

REGION XII

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
34	JACKSONVILLE	242	475	235	525	1160	655	800	1200	850	850	6750
35	FLORIDA WEST COAST	410	550	685	1475	1110	628	1360	975	1650	2550	10983
36	MIAMI	200	600	450	1075	830	835	1695	1530	350	1025	8390
94	CENTRAL FLORIDA	338	725	645	650	1250	1050	2595	1775	1100	1875	11665
104	GOLD COAST	203	200	785	815	10	640	1190	550	150	1000	5340
109	SPACECOAST	89	750	180	1060	140	515	1110	1650	3450	1150	10005
110	PUERTO RICO	86	200	370	190	920	310	160	400	0	400	2950
139	SOUTHWEST FLORIDA	123	0	230	200	1900	75	410	1950	800	1100	6665
172	BRASIL	178	1125	675	5830	850	940	1915	2875	2700	1425	18335
178	ARGENTINA	120	350	580	6285	860	980	1185	3100	1450	1300	16090
190	COLOMBIA	63	1000	450	1125	80	1195	1155	1150	2050	475	8680
196	CHILE	54	0	351	100	20	0	100	200	0	100	871
199	ECUADOR	50	0	100	450	30	25	10	200	0	800	1615
202	PARAGUAY	52	450	385	500	415	255	605	775	550	525	4460
209	ASHRAE CARICOM	72	300	970	1265	1925	1125	1435	1825	1850	1300	11995
213	SOUTH BRAZIL	50	400	100	800	150	500	270	350	1500	1650	5720

Total PAOE
Avg. PAOE

7125
445

2019-2020 Presidential Award of Excellence

[illegible]

REGION XIV

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
168	HELLENIC	133	0	200	200	125	405	10	0	0	0	940
176	DANUBE	113	0	400	500	1625	0	530	0	0	1375	4430
177	PORTUGAL	71	100	125	100	125	0	60	0	0	0	510
182	SPAIN	188	0	500	105	515	510	650	575	0	350	3205
203	CYPRUS	40	0	50	0	840	0	0	0	0	0	890
204	IRELAND	103	0	200	200	100	680	325	0	0	300	1805
205	UK MIDLANDS	113	0	605	5225	100	425	1445	1450	50	900	10200
206	UK LONDON and SOUTH-EAST	284	0	310	150	140	0	100	0	0	0	700
214	ISRAELI	66	0	350	0	0	0	10	0	0	0	360

Total PAOE 100

Avg. PAOE 11

REGION-AT-LARGE

2019-2020 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2019-2020

Chapter#	ChapterName	ChapterMembers	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 500	RP: Minimum 800; PAR 1050	Electronic Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs: Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE ointTotals
158	INDIA	303	1200	985	8723	1175	675	2600	2875	1050	400	19683
160	SAUDI ARABIA	169	0	200	0	425	0	120	0	0	0	745
161	CAIRO	90	925	650	550	1340	560	890	650	800	1025	7390
162	LEBANESE	122	0	230	150	195	0	200	200	0	100	1075
163	WESTERN INDIA	90	450	420	400	1595	500	1230	1900	1000	300	7795
164	KUWAIT	51	0	10	0	775	0	20	175	0	200	1180
169	ASHRAE BANGALORE	103	0	50	1245	945	529	480	2050	0	300	5599
171	SRI LANKAN	112	1050	185	300	1105	200	290	850	0	400	4380
174	PAKISTAN	109	250	175	150	775	0	30	0	2900	100	4380
175	ASHRAE FALCON	504	250	685	250	1905	50	270	50	0	725	4185
179	NORTHERN PAKISTAN	84	150	100	400	125	0	20	225	475	100	1595
181	BAHRAIN	42	0	235	0	925	0	10	0	0	200	1370
184	QATAR ORYX	188	200	245	0	705	50	60	175	0	100	1535
185	CHENNAI	99	50	360	100	1625	0	10	225	0	0	2370
186	PUNE	128	250	460	550	805	405	720	1250	600	600	5640
187	ASHRAE NIGERIA	85	250	205	100	1170	50	70	175	0	100	2120
188	ASHRAE MUMBAI	116	350	310	3195	1355	0	1300	2075	550	575	9710
189	CENTRAL PAKISTAN	83	400	345	305	25	320	365	825	50	450	3085
191	ASHRAE DECCAN	68	50	825	250	485	0	350	1425	0	700	4085
193	TURKISH	105	450	610	1635	25	0	30	685	0	0	3435
197	BANGLADESH	54	0	150	150	25	0	0	0	0	0	325
207	SOUTH AFRICA	151	450	130	0	280	75	210	400	150	0	1695
210	FAISALABAD	29	0	25	150	0	0	0	0	0	0	175
211	PYRAMIDS	74	950	525	1196	1180	265	2040	975	2550	1850	11531
212	JORDAN	58	100	125	0	100	0	0	200	0	100	625

Total PAOE 7775
Avg. PAOE 311

Highest PAOE

	PAOE Pts Position	Region	Chapter	PAOE Pts	Members
1	7775	RAL	HOUSTON	1550	776
2	7325	8	CENTRAL OKLAHOMA	1300	287
3	7125	12	NORTHERN NEVADA	1250	93
4	5925	10	INDIA	1200	303
5	5225	1	BRASIL	1125	178
6	4100	2	SRI LANKAN	1050	112
7	4050	7	COLUMBIA	1000	63
8	3700	13	TWIN TIERS	980	101
9	1650	4	NORTHEAST	965	271
10	1600	6	PYRAMID	950	74

Historical Committee 2020-2021 MBOs –Dean Borges Historical Comm. Chair

Objective	PR	Completion Date	Fiscal Impact	Delegated to:	Status	Comment
HC MBO 1 Develop proposals to improve the opportunities for Regional Historians to participate in Historical Committee activities.	1	Winter 2021 Chicago	None	RVC Guideline sub committee	Ongoing	Continue on-line participation of (RVCs) at Committee meetings.
HC MBO 2 Develop PAOE Recommended Changes to 2021-2022 PAOE	1	2021 Chicago	None			To get ahead of the PAOE Committee Cycle with proposal for the following year's PAOE Letter in Summer 2021
HC MBO 3 History VC PAOE Update Summary Report at Annual & Winter Meetings to include copy similar to 2019-2020 Annual meeting	1	Winter & Annual	None	VC Report		To encourage RVCs to target the below PAR performing Chapters in their Region based on the previous year's History PAOE Summary.
HC MBO 4 Encourage Chapter Historians who don't Attend their Regional CRC to complete the Chapter Historians Training Power Point and promote on-line workshop participation at CRCs	1	Winter 2021	Minor	RVC Guideline sub committee		Update the Chapter Historians Training PowerPoint. Add points for submittal of a completed MBO with phone discussion with RVC History prior August 30 of fiscal year. Promote on-line workshop participation at CRCs
HC MBO 5 Foster collaboration with other international societies to improve our historical research and support history-related activities of the Society	4	Summer 2021	None	Historical Committee	Ongoing	Continue work on collaboration. HC has links with similar groups in CIBSE and AiCARR - opportunity to pursue to work w/similar committees in CEN, International Institute of Ammonia Refrigeration (IAR), International Institute of Refrigeration (IIR), & Global Cold Chain Alliance (GCCA).
HC MBO 6 Encourage younger members of ASHRAE to have interest in history-related activities of the Society	2	Summer 2021	None	Historical Committee		Proposing to keep the PAOE line item "For a local Chapter Historical activity performed by an actively engaged YEA member"
HC MBO 7 Leadership Recall Arrange for videos at Annual meeting 2021	2	Summer 2021	Verify \$1,000 Budgeted	Historical Committee	Ongoing	Arrange two Presidential interviews. Review other potential interviewees
HC MBO 8 Digitize Archived Journals + Transactions	3	Summer 2021	Major	Historical Committee/P EC	Ongoing	Encourage digitalization of all Society Journals and Transactions
Jun 27–July 1, 2020 – Austin, Tx						Jan 23-27, 2021 – Chicago, Illinois/June 26-30 2021, Phoenix, AZ



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2020-2021 HISTORICAL COMMITTEE ASSIGNMENTS

<u>COMMITTEE</u>	<u>CHAIR</u>	<u>MEMBERS</u>
ADMINISTRATIVE/ ARCHIVES	Glen Remington	Bern Nagengast/ Spencer Morasch /Dean Borges (ExO)
COMMUNICATIONS/ RVC GUIDELINES	Spencer Morasch	Spencer Morasch/ Dean Borges (ExO)
AWARDS/ LEADERSHIP RECALL	Spencer Morasch	Nissun Feiner/ Dean Borges (ExO)

Attachment B
Historical Committee Minutes
Meeting of Jan 15 2021

Historical Committee 2020-2021 MBOs –Dean Borges Chair						
Objective	PR	Comp. Date	Fiscal Impact	Respon.	Status	Comment
1. Develop proposals to improve the opportunities for Regional Historians to participate in Historical Committee activities.	1	Winter 2021 Chicago	None	RVC Guideline subcom	Ongoing	Continue on-line participation of (RVCs) at Committee meetings.
2. Develop PAOE Recommended Changes to 2021- 2022 PAOE	1	2021 Chicago	None		Complete	To get ahead of the PAOE Committee Cycle with proposal for the following year's PAOE Letter in Summer 2021
3. History VC PAOE Update Summary Report at Annual & Winter Meetings to include copy to 2019-2020 Annual meeting	1	Winter & Annual	None	VC Report	Complete	To encourage RVCs to target the below PAR performing Chapters in their Region based on the previous year's History PAOE Summary.
4. Encourage Chapter Historians who don't attend their Regional CRC to complete the Chapter Historians Training Power Point & promote on-line workshop participation at CRCs	1	Winter 2021	Minor	RVC Guideline subcom	Complete	Update the Chapter Historians Training PowerPoint. Add points for submittal of a completed MBO with phone discussion with RVC History prior August 30 of fiscal year. Promote on-line workshop participation at CRCs
5. Foster collaboration with other international societies to improve our historical research and support history-related activities of the Society	4	Summer 2021	None	Historical Committee	Ongoing	Continue work on collaboration. HC has links with similar groups in CIBSE & AiCARR - opportunity to pursue to work w/similar committees in CEN, International Institute of Ammonia Refrigeration (IIAR), International Institute of Refrigeration (IIR), & Global Cold Chain Alliance (GCCA).
6. Encourage younger members of ASHRAE to have interest in history-related activities of the Society	2	Summer 2021	None	Historical Committee	Complete	Proposing to keep the PAOE line item "For a local Chapter Historical activity performed by an actively engaged YEA member"
7. Leadership Recall Arrange for videos at Annual meeting 2021	2	Summer 2021	Verify \$1,000 Budget	Historical Committee	Ongoing	Arrange 2 Presidential interviews. Review other potential interviewees
8. Digitize Archived Journals & Transactions	3	Summer 2021	Major	Historical Committee/ PEC	Ongoing	Encourage digitalization of all Society Journals & Transactions
Jun 27–July 1, 2020 Austin, Tx						June 26-30, 2021, Phoenix, AZ

Attachment C**Historical Committee Minutes****Meeting of Jan 15 2021**

PAOE 2020-2021

HISTORY CHAIR PAOE SUMMARY REPORT**Winter VIRTUAL MEETING 2020-2021**

Regions	Total History PAOE	Chapters @ "0" PAOE	Chapters @ MIN	Chapters @ PAR
I	2795	2	13	0
II	2025	2	7	5
III	250	9	2	0
IV	200	6	1	0
V	300	11	1	1
VI	50	9	0	0
VII	3250	5	8	4
VIII	2850	4	10	5
IX	1525	7	6	1
X	3100	0	14	0
XI	300	10	1	1
XII	1075	11	4	2
XIII	1750	0	10	1
XIV	0	9	0	0
Region- At-Large	12725	1	30	18

Grand Total 32195

Top 10 in PAOE for History	Region	PAOE Pts
1	RAL	12725
2	7	3250
3	10	3100
4	8	2850
5	1	2795
6	2	2025
7	13	1750
8	9	1525
9	12	1075
10	5	300

Top 10 CHAPTERS	Top 10 History PAOE
LOUISVILLE	1400
TURKISH	1375
BAHRAIN	1250
ASHRAE BANGALORE	1200
NORTHERN NEVADA	950
QATAR ORYX	850
ASHRAE MUMBAI	650
AUSTIN	625
ASHRAE DECCAN	550
INDIA	550

1. Each Regional Historian to reach out to Chapter Historians/Presidents with ZERO PAOE History points and help them get to Minimum PAOE of 100.
2. Each Regional Historian to reach out to Chapter Historians/Presidents with less than 300 PAR PAOE points and encourage them to get PAR.

2020-2021 Presidential Award of Excellence
*Minimum and PAR points indicated are for 2020-2021

[illegible]

REGION II

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
13	QUEBEC	163	0	500	400	0	0	700	0	100	850	2550
14	MONTREAL	534	300	700	1350	0	100	650	650	450	975	5175
15	OTTAWA VALLEY	411	250	395	800	0	100	60	1100	0	950	3655
16	TORONTO	1079	275	835	1250	0	550	70	0	300	1625	4905
37	HAMILTON	281	300	825	450	0	830	1440	2300	0	1225	7370
100	HALIFAX	193	0	435	150	0	250	10	0	0	850	1695
116	LONDON (CANADA)	127	300	250	300	0	645	0	0	0	850	2345
117	NB/PEI	150	300	300	200	0	540	0	0	0	500	1840
141	WINDSOR	63	300	600	200	0	430	1275	300	750	850	4705

Total PAOE 2025

Avg PAOE 225

2020-2021 Presidential Award of Excellence

[illegible]

REGION IV

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
29	NORTH PIEDMONT	189	0	25	400	0	200	170	300	0	825	1920
30	SOUTHERN PIEDMONT	371	0	275	50	0	0	80	0	0	1075	1480
31	SOUTH CAROLINA	141	0	150	50	0	0	0	200	0	675	1075
32	ATLANTA	988	200	450	350	0	710	635	400	350	1225	4320
97	GREENVILLE	187	0	125	100	0	0	20	0	0	300	545
106	TRIANGLE	472	0	690	2295	0	130	60	400	0	1425	5000
113	CHARLESTON	144	0	175	0	0	0	130	0	0	900	1205

Total PAOE 200

Avg PAOE 29

2020-2021 Presidential Award of Excellence

[illegible]

2020-2021 Presidential Award of Excellence

Total PAOE	50
Avg. PAOE	5

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
48	WISCONSIN	337	50	125	25	0	150	1095	100	650	875	3070
49	ILLINOIS	1198	0	485	700	0	410	885	400	0	1175	4055
50	CENTRAL ILLINOIS	132	0	0	150	0	150	455	0	0	300	1055
51	IOWA	312	0	125	250	0	0	520	0	0	850	1745
52	MINNESOTA	846	50	160	525	0	460	1180	0	0	1250	3625
54	ST LOUIS	652	0	175	450	0	0	630	100	0	675	2030
95	MADISON	255	0	125	250	0	0	100	0	0	550	1025
107	NORTHEAST WISCONSIN	152	0	150	50	0	0	20	0	0	650	870
115	LA CROSSE AREA	127	0	175	100	0	0	65	950	0	1250	2540
123	MISSISSIPPI VALLEY	100	0	125	100	0	0	0	0	0	650	875
159	CEDAR VALLEY	81	0	125	0	0	0	20	0	0	550	695

REGION VII

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communication s: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
55	LOUISVILLE	191	1400	225	50	0	100	675	2650	50	725	5875
56	MEMPHIS	169	200	125	70	0	0	170	200	0	850	1615
57	BIRMINGHAM	249	0	375	225	0	630	1515	1400	0	950	5095
58	MOBILE	47	0	0	0	0	0	160	0	0	750	910
59	NEW ORLEANS	121	350	125	0	0	640	620	550	50	700	3035
60	BATON ROUGE	91	100	25	0	0	0	200	300	0	550	1175
61	MISSISSIPPI	89	250	10	0	0	0	100	400	0	575	1335
88	NASHVILLE	317	300	350	0	0	810	560	200	0	675	2895
99	EAST TENNESSEE	219	0	100	200	0	100	310	100	0	700	1510
114	TENNESSEE VALLEY	86	0	25	50	0	250	160	700	0	450	1635
128	BLUEGRASS	111	250	25	50	0	400	300	200	0	750	1975
130	NORTHWEST FLORIDA	58	0	25	0	0	0	150	0	0	100	275
133	NORTH ALABAMA	60	100	100	0	0	250	100	0	0	100	650
192	WEST VIRGINIA	79	300	650	725	0	590	850	400	800	1000	5315

Total PAOE 3250

Avg. PAOE 232

REGION VIII

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
62	ARKANSAS	234	300	230	600	0	945	2720	3039	50	975	8859
64	HOUSTON	729	350	310	1516	0	400	1265	400	500	825	5566
65	ALAMO	231	100	25	300	0	0	10	400	0	775	1610
66	AUSTIN	367	625	210	525	0	0	315	0	0	1100	2775
67	DALLAS	724	100	500	519	0	406	980	650	0	1000	4155
68	CENTRAL OKLAHOMA	279	475	405	845	0	200	1840	700	300	950	5715
69	NORTHEASTERN OKLAHOMA	188	100	185	200	0	620	70	1200	0	600	2975
70	FORT WORTH	296	375	175	450	0	0	80	820	100	900	2900
71	WEST TEXAS	80	0	100	100	0	0	0	0	0	450	650
91	EAST TEXAS	115	100	300	100	0	0	85	0	0	750	1335
154	SOUTH TEXAS	60	0	0	325	0	0	60	0	0	275	660
165	MEXICO CITY	102	0	250	395	0	160	310	200	700	475	2490
166	MONTERREY	130	225	455	325	0	0	0	400	0	825	2230
173	GUADALAJARA	26	0	0	0	0	0	50	0	0	0	50
208	NORTHWEST ARKANSAS	129	100	125	420	0	100	250	200	50	800	2045

PAOE Total 2850
Avg. PAOE 190

2020-2021 Presidential Award of Excellence

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEointTotals
53	KANSAS CITY	628	250	310	600	0	0	685	1000	600	925	4370
72	EL PASO	51	0	150	0	0	0	10	0	0	50	210
73	ROCKY MOUNTAIN	942	0	585	450	0	0	360	0	350	1025	2770
74	UTAH	318	200	200	50	0	0	2240	300	350	1275	4615
75	NEBRASKA	376	225	250	525	0	710	2765	1600	400	1250	7725
76	WICHITA	134	0	50	100	0	150	0	0	0	600	900
77	NEW MEXICO	156	200	175	0	0	0	30	0	350	500	1255
93	SOUTH DAKOTA	126	450	350	100	0	0	520	0	350	400	2170
127	BLACK HILLS	48	0	50	50	0	0	0	0	0	100	200
131	BIG SKY	121	200	75	150	0	250	160	450	0	650	1935
135	IDAHO	166	0	110	50	0	0	10	0	350	550	1070
148	PIKES PEAK	117	0	185	0	0	0	435	0	350	800	1770
150	OZARKS	75	0	80	0	0	0	0	0	250	350	680

Total PAOE	1525
Avg. PAOE	117

REGION X

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
81	SACRAMENTO VALLEY	282	150	75	200	0	50	40	500	0	1025	2040
82	GOLDEN GATE	866	150	310	350	0	200	560	450	600	1025	3645
83	SAN JOAQUIN	115	150	25	150	0	0	70	0	100	550	1045
84	SOUTHERN CALIFORNIA	664	150	385	450	0	0	160	500	100	1025	2770
85	SAN DIEGO	356	150	260	250	0	150	160	1200	200	925	3295
86	CENTRAL ARIZONA	439	150	310	480	0	0	50	200	100	1625	2915
87	TUCSON	94	250	25	300	0	0	150	500	100	700	2025
92	SOUTHERN NEVADA	144	150	225	772	0	600	720	0	300	725	3492
101	SAN JOSE	322	250	345	550	0	100	425	950	100	1375	4095
105	ORANGE EMPIRE	392	150	300	300	0	0	50	200	0	1175	2175
108	HAWAII	251	150	510	150	0	70	870	1550	100	900	4300
126	NORTHERN NEVADA	101	950	0	200	0	0	20	0	0	550	1720
144	SIERRA DELTA	46	150	320	100	0	0	400	200	150	250	1570
155	TRI COUNTY	76	150	125	150	0	0	10	0	0	100	535

Total PAOE 3100
Avg. PAOE 221

2020-2021 Presidential Award of Excellence

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications : Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
17	MANITOBA	177	0	125	150	0	150	260	0	0	700	1385
18	SOUTHERN ALBERTA	378	0	225	150	0	0	60	0	0	550	985
19	NORTHERN ALBERTA	273	0	150	300	0	0	60	0	0	550	1060
20	BRITISH COLUMBIA	542	300	375	500	0	400	1330	950	250	775	4880
78	INLAND EMPIRE	149	0	75	0	0	0	30	0	0	700	805
79	PUGET SOUND	788	0	500	200	0	0	160	0	0	950	1810
80	OREGON	608	0	620	1400	0	1450	690	1000	850	1650	7660
96	REGINA	98	0	0	400	0	0	20	0	50	550	1020
102	SASKATOON	108	0	85	250	0	0	10	0	0	100	445
122	ALASKA	195	0	225	200	0	0	70	0	0	650	1145
145	VANCOUVER ISLAND	101	0	100	285	0	0	20	0	0	450	855

Total PAOE	300
Avg. PAOE	27

REGION XII

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
34	JACKSONVILLE	244	0	515	150	0	0	60	0	0	675	1400
35	FLORIDA WEST COAST	412	0	370	250	0	275	630	750	100	1025	3400
36	MIAMI	213	0	160	150	0	0	0	200	0	500	1010
94	CENTRAL FLORIDA	340	150	380	300	0	1020	545	1670	350	800	5215
104	GOLD COAST	197	0	200	100	0	0	50	100	0	500	950
110	PUERTO RICO	86	0	100	100	0	0	0	200	0	100	500
139	SOUTHWEST FLORIDA	127	0	75	250	0	0	270	1150	400	200	2345
172	BRASIL	182	150	160	1302	0	520	1560	600	650	1375	6317
178	ARGENTINA	132	0	75	745	0	1170	1425	400	500	1625	5940
190	COLOMBIA	66	300	0	500	0	0	1065	150	150	550	2715
196	CHILE	60	50	25	300	0	250	300	1000	0	450	2375
199	ECUADOR	41	0	45	275	0	0	0	100	0	600	1020
202	PARAGUAY	46	425	5	200	0	150	630	650	350	450	2860
209	ASHRAE CARICOM	75	0	200	650	0	0	20	600	300	1600	3370
213	SOUTH BRAZIL	65	0	485	1325	0	410	525	1750	100	1975	6570
220	Peru	106	0	115	50	0	0	200	100	0	775	1240

Total PAOE 1075
Avg. PAOE 67

2020-2021 Presidential Award of Excellence

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2020-2021 Presidential Award of Excellence

Total PAOE	0
Avg. PAOE	0

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEointTotals
168	HELLENIC	129	0	100	450	0	0	0	0	0	650	1200
176	DANUBE	110	0	200	100	0	0	0	0	0	650	950
177	PORTUGAL	75	0	110	150	0	0	0	0	0	400	660
182	SPAIN	166	0	1110	100	0	0	30	0	0	300	1540
203	CYPRUS	39	0	60	0	0	0	10	0	0	0	70
204	IRELAND	105	0	185	100	0	0	20	0	0	850	1155
205	UK MIDLANDS	116	0	150	300	0	0	10	100	0	975	1535
206	UK LONDON and SOUTH-EAST	275	0	130	50	0	0	30	0	0	350	560
214	ISRAELI	74	0	425	0	0	0	20	0	0	300	745

REGION-AT-LARGE

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE ointTotals
158	INDIA	217	550	125	1475	0	200	110	750	150	925	4285
160	SAUDI ARABIA	181	100	135	50	0	0	210	300	0	1025	1820
161	CAIRO	103	200	280	300	0	0	0	0	0	1550	2330
162	LEBANESE	106	200	0	0	0	0	20	0	0	250	470
163	WESTERN INDIA	91	350	0	580	0	430	755	200	0	650	2965
164	KUWAIT	51	100	75	200	0	0	10	0	0	775	1160
169	ASHRAE BANGALORE	88	1200	100	355	0	0	0	400	150	1075	3280
171	SRI LANKAN	91	350	75	200	0	0	0	0	0	550	1175
174	PAKISTAN	89	350	10	50	0	0	10	0	0	575	995
175	ASHRAE FALCON	460	300	135	300	0	0	50	0	0	675	1460
179	NORTHERN PAKISTAN	55	200	125	400	0	0	0	400	0	500	1625
181	BAHRAIN	49	1250	505	320	0	500	395	700	0	1725	5395
184	QATAR ORYX	157	850	135	0	0	0	10	0	0	475	1470
185	CHENNAI	82	100	150	0	0	0	0	0	0	575	825
186	PUNE	101	300	580	0	0	0	10	900	0	1300	3090
187	ASHRAE NIGERIA	135	150	595	200	0	0	1200	850	0	1175	4170
188	ASHRAE MUMBAI	125	650	365	150	0	400	1945	200	200	550	4460
189	CENTRAL PAKISTAN	62	200	50	50	0	100	325	400	50	600	1775
191	ASHRAE DECCAN	61	550	25	875	0	380	1075	800	0	350	4055
193	TURKISH	100	1375	325	1350	0	700	1060	950	50	775	6585
197	BANGLADESH	45	400	50	0	0	0	0	0	0	600	1050
207	SOUTH AFRICA	156	350	615	0	0	490	1050	0	1150	500	4155
210	FAISALABAD	32	100	0	0	0	0	0	0	0	550	650
211	PYRAMIDS	75	750	225	0	0	0	10	0	600	975	2560
212	JORDAN	49	100	50	0	0	0	0	0	0	150	300
215	EAST INDIA	52	300	50	0	0	0	0	0	0	775	1125
216	RAJASTHAN	54	900	180	250	0	1250	2550	2310	300	350	8090
217	CHANDIGARH	73	300	60	800	0	0	0	0	0	900	2060
218	OMAN	43	100	50	0	0	0	10	150	0	400	710
219	LIBYA	40	100	0	0	0	0	0	0	0	100	200
221	Sudan	50	0	10	0	0	0	0	0	0	300	310

Total PAOE 12725

1/11/2021

PAOE for History	Region	PAOE Pts
1	RAL	12725
2	7	3250
3	10	3100
4	8	2850
5	1	2795
6	2	2025
7	13	1750
8	9	250
9	12	1075
10	5	300

Highest Chapters	PAOE History	Members	POINTS PER MEMBER
LOUISVILLE	1400	191	7.33
TURKISH	1375	100	13.75
BAHRAIN	1250	49	25.51
ASHRAE BANGALORE	1200	88	13.64
NORTHERN NEVADA	950	101	9.41
QATAR ORYX	850	157	5.41
ASHRAE MUMBAI	650	125	5.20
AUSTIN	625	367	1.70
ASHRAE DECCAN	550	61	9.02
INDIA	550	217	2.53
MALAYSIA	450	218	2.06
SOUTH DAKOTA	450	126	3.57



Historical Committee
Report to PEC - Products Subcommittee
Meeting of January 15, 2021

Action Items

1. None.

Information Items

1. Historical Committee heard an update on the progress of all projects for 125th anniversary. All projects have been completed with one cancelled due to the cancellation of the in-person conference.
2. Historical Committee discussed the pilot plaque project which will be installed in Orange, Texas.
3. Historical Committee have chosen Shelia Hayter and Barney Buroughs for the next two Leadership Voices interviews to be filmed at the next in-person meeting.
4. Historical Committee discussed the necessity of continuity of communication, to keep Regional and Chapter Historians involved in history at the Society level.
5. Historical Committee reviewed a report on the status of PAOE points. (*Attachment A*)
6. Historical Committee discussed reinstituting the Historians Newsletter. Glenn Remington and Bern Nagengast were assigned to work on this and report to the committee at their next meeting.
7. Historical Committee discussed communicating with a professional archivist to help organize what ASHRAE material should be archived and the idea of a "Finding Aid System" to assist user of an ASHRAE Archive.
8. Historical Committee suggested that Basecamp be investigated as a potential storage solution for electronic documents and files with the possibility of a template or structure being created for that specific use.
9. Historical Committee reviewed their MBOs for updates shown in *Attachment B*

Respectfully submitted,
Dean Borges, Historical Committee Chair

HISTORY CHAIR PAOE SUMMARY REPORT

Winter VIRTUAL MEETING 2020-2021

Regions	Total History PAOE	Chapters @ "0" PAOE	Chapters @ MIN	Chapters @ PAR
I	2795	2	13	0
II	2025	2	7	5
III	250	9	2	0
IV	200	6	1	0
V	300	11	1	1
VI	50	9	0	0
VII	3250	5	8	4
VIII	2850	4	10	5
IX	1525	7	6	1
X	3100	0	14	0
XI	300	10	1	1
XII	1075	11	4	2
XIII	1750	0	10	1
XIV	0	9	0	0
Region- At-Large	12725	1	30	18

Grand Total 32195

Top 10 in PAOE for History	Region	PAOE Pts
1	RAL	12725
2	7	3250
3	10	3100
4	8	2850
5	1	2795
6	2	2025
7	13	1750
8	9	1525
9	12	1075
10	5	300

Top 10 CHAPTERS	Top 10 History PAOE
LOUISVILLE	1400
TURKISH	1375
BAHRAIN	1250
ASHRAE BANGALORE	1200
NORTHERN NEVADA	950
QATAR ORYX	850
ASHRAE MUMBAI	650
AUSTIN	625
ASHRAE DECCAN	550
INDIA	550

1. Each Regional Historian to reach out to Chapter Historians/Presidents with ZERO PAOE History points and help them get to Minimum PAOE of 100.
2. Each Regional Historian to reach out to Chapter Historians/Presidents with less than 300 PAR PAOE points and encourage them to get PAR.

REGION I

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

[illegible]

REGION II

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
13	QUEBEC	163	0	500	400	0	0	700	0	100	850	2550
14	MONTREAL	534	300	700	1350	0	100	650	650	450	975	5175
15	OTTAWA VALLEY	411	250	395	800	0	100	60	1100	0	950	3655
16	TORONTO	1079	275	835	1250	0	550	70	0	300	1625	4905
37	HAMILTON	281	300	825	450	0	830	1440	2300	0	1225	7370
100	HALIFAX	193	0	435	150	0	250	10	0	0	850	1695
116	LONDON (CANADA)	127	300	250	300	0	645	0	0	0	850	2345
117	NB/PEI	150	300	300	200	0	540	0	0	0	500	1840
141	WINDSOR	63	300	600	200	0	430	1275	300	750	850	4705

Total PAOE 2025
Avg PAOE 225

2020-2021 Presidential Award of Excellence

[illegible]

REGION IV

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
29	NORTH PIEDMONT	189	0	25	400	0	200	170	300	0	825	1920
30	SOUTHERN PIEDMONT	371	0	275	50	0	0	80	0	0	1075	1480
31	SOUTH CAROLINA	141	0	150	50	0	0	0	200	0	675	1075
32	ATLANTA	988	200	450	350	0	710	635	400	350	1225	4320
97	GREENVILLE	187	0	125	100	0	0	20	0	0	300	545
106	TRIANGLE	472	0	690	2295	0	130	60	400	0	1425	5000
113	CHARLESTON	144	0	175	0	0	0	130	0	0	900	1205

Total PAOE 200

Avg PAOE 29

2020-2021 Presidential Award of Excellence

[illegible]

2020-2021 Presidential Award of Excellence

Total PAOE	50
Avg. PAOE	5

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
48	WISCONSIN	337	50	125	25	0	150	1095	100	650	875	3070
49	ILLINOIS	1198	0	485	700	0	410	885	400	0	1175	4055
50	CENTRAL ILLINOIS	132	0	0	150	0	150	455	0	0	300	1055
51	IOWA	312	0	125	250	0	0	520	0	0	850	1745
52	MINNESOTA	846	50	160	525	0	460	1180	0	0	1250	3625
54	ST LOUIS	652	0	175	450	0	0	630	100	0	675	2030
95	MADISON	255	0	125	250	0	0	100	0	0	550	1025
107	NORTHEAST WISCONSIN	152	0	150	50	0	0	20	0	0	650	870
115	LA CROSSE AREA	127	0	175	100	0	0	65	950	0	1250	2540
123	MISSISSIPPI VALLEY	100	0	125	100	0	0	0	0	0	650	875
159	CEDAR VALLEY	81	0	125	0	0	0	20	0	0	550	695

REGION VII

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communication s: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
55	LOUISVILLE	191	1400	225	50	0	100	675	2650	50	725	5875
56	MEMPHIS	169	200	125	70	0	0	170	200	0	850	1615
57	BIRMINGHAM	249	0	375	225	0	630	1515	1400	0	950	5095
58	MOBILE	47	0	0	0	0	0	160	0	0	750	910
59	NEW ORLEANS	121	350	125	0	0	640	620	550	50	700	3035
60	BATON ROUGE	91	100	25	0	0	0	200	300	0	550	1175
61	MISSISSIPPI	89	250	10	0	0	0	100	400	0	575	1335
88	NASHVILLE	317	300	350	0	0	810	560	200	0	675	2895
99	EAST TENNESSEE	219	0	100	200	0	100	310	100	0	700	1510
114	TENNESSEE VALLEY	86	0	25	50	0	250	160	700	0	450	1635
128	BLUEGRASS	111	250	25	50	0	400	300	200	0	750	1975
130	NORTHWEST FLORIDA	58	0	25	0	0	0	150	0	0	100	275
133	NORTH ALABAMA	60	100	100	0	0	250	100	0	0	100	650
192	WEST VIRGINIA	79	300	650	725	0	590	850	400	800	1000	5315

Total PAOE 3250

Avg. PAOE 232

REGION VIII

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
62	ARKANSAS	234	300	230	600	0	945	2720	3039	50	975	8859
64	HOUSTON	729	350	310	1516	0	400	1265	400	500	825	5566
65	ALAMO	231	100	25	300	0	0	10	400	0	775	1610
66	AUSTIN	367	625	210	525	0	0	315	0	0	1100	2775
67	DALLAS	724	100	500	519	0	406	980	650	0	1000	4155
68	CENTRAL OKLAHOMA	279	475	405	845	0	200	1840	700	300	950	5715
69	NORTHEASTERN OKLAHOMA	188	100	185	200	0	620	70	1200	0	600	2975
70	FORT WORTH	296	375	175	450	0	0	80	820	100	900	2900
71	WEST TEXAS	80	0	100	100	0	0	0	0	0	450	650
91	EAST TEXAS	115	100	300	100	0	0	85	0	0	750	1335
154	SOUTH TEXAS	60	0	0	325	0	0	60	0	0	275	660
165	MEXICO CITY	102	0	250	395	0	160	310	200	700	475	2490
166	MONTERREY	130	225	455	325	0	0	0	400	0	825	2230
173	GUADALAJARA	26	0	0	0	0	0	50	0	0	0	50
208	NORTHWEST ARKANSAS	129	100	125	420	0	100	250	200	50	800	2045

PAOE Total 2850
Avg. PAOE 190

2020-2021 Presidential Award of Excellence

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
53	KANSAS CITY	628	250	310	600	0	0	685	1000	600	925	4370
72	EL PASO	51	0	150	0	0	0	10	0	0	50	210
73	ROCKY MOUNTAIN	942	0	585	450	0	0	360	0	350	1025	2770
74	UTAH	318	200	200	50	0	0	2240	300	350	1275	4615
75	NEBRASKA	376	225	250	525	0	710	2765	1600	400	1250	7725
76	WICHITA	134	0	50	100	0	150	0	0	0	600	900
77	NEW MEXICO	156	200	175	0	0	0	30	0	350	500	1255
93	SOUTH DAKOTA	126	450	350	100	0	0	520	0	350	400	2170
127	BLACK HILLS	48	0	50	50	0	0	0	0	0	100	200
131	BIG SKY	121	200	75	150	0	250	160	450	0	650	1935
135	IDAHO	166	0	110	50	0	0	10	0	350	550	1070
148	PIKES PEAK	117	0	185	0	0	0	435	0	350	800	1770
150	OZARKS	75	0	80	0	0	0	0	0	250	350	680

Total PAOE	1525
Avg. PAOE	117

REGION X

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
81	SACRAMENTO VALLEY	282	150	75	200	0	50	40	500	0	1025	2040
82	GOLDEN GATE	866	150	310	350	0	200	560	450	600	1025	3645
83	SAN JOAQUIN	115	150	25	150	0	0	70	0	100	550	1045
84	SOUTHERN CALIFORNIA	664	150	385	450	0	0	160	500	100	1025	2770
85	SAN DIEGO	356	150	260	250	0	150	160	1200	200	925	3295
86	CENTRAL ARIZONA	439	150	310	480	0	0	50	200	100	1625	2915
87	TUCSON	94	250	25	300	0	0	150	500	100	700	2025
92	SOUTHERN NEVADA	144	150	225	772	0	600	720	0	300	725	3492
101	SAN JOSE	322	250	345	550	0	100	425	950	100	1375	4095
105	ORANGE EMPIRE	392	150	300	300	0	0	50	200	0	1175	2175
108	HAWAII	251	150	510	150	0	70	870	1550	100	900	4300
126	NORTHERN NEVADA	101	950	0	200	0	0	20	0	0	550	1720
144	SIERRA DELTA	46	150	320	100	0	0	400	200	150	250	1570
155	TRI COUNTY	76	150	125	150	0	0	10	0	0	100	535

Total PAOE 3100
Avg. PAOE 221

2020-2021 Presidential Award of Excellence

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications : Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEpointTotals
17	MANITOBA	177	0	125	150	0	150	260	0	0	700	1385
18	SOUTHERN ALBERTA	378	0	225	150	0	0	60	0	0	550	985
19	NORTHERN ALBERTA	273	0	150	300	0	0	60	0	0	550	1060
20	BRITISH COLUMBIA	542	300	375	500	0	400	1330	950	250	775	4880
78	INLAND EMPIRE	149	0	75	0	0	0	30	0	0	700	805
79	PUGET SOUND	788	0	500	200	0	0	160	0	0	950	1810
80	OREGON	608	0	620	1400	0	1450	690	1000	850	1650	7660
96	REGINA	98	0	0	400	0	0	20	0	50	550	1020
102	SASKATOON	108	0	85	250	0	0	10	0	0	100	445
122	ALASKA	195	0	225	200	0	0	70	0	0	650	1145
145	VANCOUVER ISLAND	101	0	100	285	0	0	20	0	0	450	855

Total PAOE	300
Avg. PAOE	27

REGION XII

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE pointTotals
34	JACKSONVILLE	244	0	515	150	0	0	60	0	0	675	1400
35	FLORIDA WEST COAST	412	0	370	250	0	275	630	750	100	1025	3400
36	MIAMI	213	0	160	150	0	0	0	200	0	500	1010
94	CENTRAL FLORIDA	340	150	380	300	0	1020	545	1670	350	800	5215
104	GOLD COAST	197	0	200	100	0	0	50	100	0	500	950
110	PUERTO RICO	86	0	100	100	0	0	0	200	0	100	500
139	SOUTHWEST FLORIDA	127	0	75	250	0	0	270	1150	400	200	2345
172	BRASIL	182	150	160	1302	0	520	1560	600	650	1375	6317
178	ARGENTINA	132	0	75	745	0	1170	1425	400	500	1625	5940
190	COLOMBIA	66	300	0	500	0	0	1065	150	150	550	2715
196	CHILE	60	50	25	300	0	250	300	1000	0	450	2375
199	ECUADOR	41	0	45	275	0	0	0	100	0	600	1020
202	PARAGUAY	46	425	5	200	0	150	630	650	350	450	2860
209	ASHRAE CARICOM	75	0	200	650	0	0	20	600	300	1600	3370
213	SOUTH BRAZIL	65	0	485	1325	0	410	525	1750	100	1975	6570
220	Peru	106	0	115	50	0	0	200	100	0	775	1240

Total PAOE 1075
Avg. PAOE 67

2020-2021 Presidential Award of Excellence

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2020-2021 Presidential Award of Excellence

Total PAOE	0
Avg. PAOE	0

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOEointTotals
168	HELLENIC	129	0	100	450	0	0	0	0	0	650	1200
176	DANUBE	110	0	200	100	0	0	0	0	0	650	950
177	PORTUGAL	75	0	110	150	0	0	0	0	0	400	660
182	SPAIN	166	0	1110	100	0	0	30	0	0	300	1540
203	CYPRUS	39	0	60	0	0	0	10	0	0	0	70
204	IRELAND	105	0	185	100	0	0	20	0	0	850	1155
205	UK MIDLANDS	116	0	150	300	0	0	10	100	0	975	1535
206	UK LONDON and SOUTH-EAST	275	0	130	50	0	0	30	0	0	350	560
214	ISRAELI	74	0	425	0	0	0	20	0	0	300	745

REGION-AT-LARGE

2020-2021 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2020-2021

Chapter code	Chapter name	Chapter AAM	Historical: Minimum 100; PAR 300	Membership Promotion: Minimum 500; PAR 800	Student Activities: Minimum 300; PAR 800	RP: Minimum 800; PAR 1050	Communications: Minimum 250; PAR 600	Chapter Operations: Minimum 600; PAR 1200	Chapter Technology Transfer: Minimum 550; PAR 1050	Government Affairs : Minimum 500; PAR 650	Young Engineers in ASHRAE: Minimum 300; PAR 800	ChapterPAOE ointTotals
158	INDIA	217	550	125	1475	0	200	110	750	150	925	4285
160	SAUDI ARABIA	181	100	135	50	0	0	210	300	0	1025	1820
161	CAIRO	103	200	280	300	0	0	0	0	0	1550	2330
162	LEBANESE	106	200	0	0	0	0	20	0	0	250	470
163	WESTERN INDIA	91	350	0	580	0	430	755	200	0	650	2965
164	KUWAIT	51	100	75	200	0	0	10	0	0	775	1160
169	ASHRAE BANGALORE	88	1200	100	355	0	0	0	400	150	1075	3280
171	SRI LANKAN	91	350	75	200	0	0	0	0	0	550	1175
174	PAKISTAN	89	350	10	50	0	0	10	0	0	575	995
175	ASHRAE FALCON	460	300	135	300	0	0	50	0	0	675	1460
179	NORTHERN PAKISTAN	55	200	125	400	0	0	0	400	0	500	1625
181	BAHRAIN	49	1250	505	320	0	500	395	700	0	1725	5395
184	QATAR ORYX	157	850	135	0	0	0	10	0	0	475	1470
185	CHENNAI	82	100	150	0	0	0	0	0	0	575	825
186	PUNE	101	300	580	0	0	0	10	900	0	1300	3090
187	ASHRAE NIGERIA	135	150	595	200	0	0	1200	850	0	1175	4170
188	ASHRAE MUMBAI	125	650	365	150	0	400	1945	200	200	550	4460
189	CENTRAL PAKISTAN	62	200	50	50	0	100	325	400	50	600	1775
191	ASHRAE DECCAN	61	550	25	875	0	380	1075	800	0	350	4055
193	TURKISH	100	1375	325	1350	0	700	1060	950	50	775	6585
197	BANGLADESH	45	400	50	0	0	0	0	0	0	600	1050
207	SOUTH AFRICA	156	350	615	0	0	490	1050	0	1150	500	4155
210	FAISALABAD	32	100	0	0	0	0	0	0	0	550	650
211	PYRAMIDS	75	750	225	0	0	0	10	0	600	975	2560
212	JORDAN	49	100	50	0	0	0	0	0	0	150	300
215	EAST INDIA	52	300	50	0	0	0	0	0	0	775	1125
216	RAJASTHAN	54	900	180	250	0	1250	2550	2310	300	350	8090
217	CHANDIGARH	73	300	60	800	0	0	0	0	0	900	2060
218	OMAN	43	100	50	0	0	0	10	150	0	400	710
219	LIBYA	40	100	0	0	0	0	0	0	0	100	200
221	Sudan	50	0	10	0	0	0	0	0	0	300	310

Total PAOE 12725

1/11/2021

PAOE for History	Region	PAOE Pts
1	RAL	12725
2	7	3250
3	10	3100
4	8	2850
5	1	2795
6	2	2025
7	13	1750
8	9	250
9	12	1075
10	5	300

Highest Chapters	PAOE History	Members	POINTS PER MEMBER
LOUISVILLE	1400	191	7.33
TURKISH	1375	100	13.75
BAHRAIN	1250	49	25.51
ASHRAE BANGALORE	1200	88	13.64
NORTHERN NEVADA	950	101	9.41
QATAR ORYX	850	157	5.41
ASHRAE MUMBAI	650	125	5.20
AUSTIN	625	367	1.70
ASHRAE DECCAN	550	61	9.02
INDIA	550	217	2.53
MALAYSIA	450	218	2.06
SOUTH DAKOTA	450	126	3.57

Historical Committee 2020-2021 MBOs –Dean Borges Chair						
Objective	PR	Comp. Date	Fiscal Impact	Respon.	Status	Comment
1. Develop proposals to improve the opportunities for Regional Historians to participate in Historical Committee activities.	1	Winter 2021 Chicago	None	RVC Guideline subcom	Ongoing	Continue on-line participation of (RVCs) at Committee meetings.
2. Develop PAOE Recommended Changes to 2021- 2022 PAOE	1	2021 Chicago	None		Complete	To get ahead of the PAOE Committee Cycle with proposal for the following year's PAOE Letter in Summer 2021
3. History VC PAOE Update Summary Report at Annual & Winter Meetings to include copy to 2019-2020 Annual meeting	1	Winter & Annual	None	VC Report	Complete	To encourage RVCs to target the below PAR performing Chapters in their Region based on the previous year's History PAOE Summary.
4. Encourage Chapter Historians who don't attend their Regional CRC to complete the Chapter Historians Training Power Point & promote on-line workshop participation at CRCs	1	Winter 2021	Minor	RVC Guideline subcom	Complete	Update the Chapter Historians Training PowerPoint. Add points for submittal of a completed MBO with phone discussion with RVC History prior August 30 of fiscal year. Promote on-line workshop participation at CRCs
5. Foster collaboration with other international societies to improve our historical research and support history-related activities of the Society	4	Summer 2021	None	Historical Committee	Ongoing	Continue work on collaboration. HC has links with similar groups in CIBSE & AiCARR - opportunity to pursue to work w/similar committees in CEN, International Institute of Ammonia Refrigeration (IIAR), International Institute of Refrigeration (IIR), & Global Cold Chain Alliance (GCCA).
6. Encourage younger members of ASHRAE to have interest in history-related activities of the Society	2	Summer 2021	None	Historical Committee	Complete	Proposing to keep the PAOE line item "For a local Chapter Historical activity performed by an actively engaged YEA member"
7. Leadership Recall Arrange for videos at Annual meeting 2021	2	Summer 2021	Verify \$1,000 Budget	Historical Committee	Ongoing	Arrange 2 Presidential interviews. Review other potential interviewees
8. Digitize Archived Journals & Transactions	3	Summer 2021	Major	Historical Committee/ PEC	Ongoing	Encourage digitalization of all Society Journals & Transactions
Jun 27–July 1, 2020 Austin, Tx						June 26-30, 2021, Phoenix, AZ