REGION 2
63rd ANNUAL
CRC 2021

MINUTES

held

VIRTUAL
(GoTo Meeting)

Thur Aug 19, 2021 to Friday August 20, 2021

Approved
At 2022 CRC - Ottawa
**ORIENTATION SESSION – Thur Aug 19, 2021 2:00pm**

The following attended the Orientation Session:

### CHAPTER
- #100 Halifax
- #117 NB/PEI
- #013 La Ville de Quebec
- #014 Montreal
- #015 Ottawa Valley
- #016 Toronto
- #037 Hamilton
- #116 London Canada
- #141 Windsor

### DELEGATE
- Dan Bourque
- John Willden
- Maxime Boivin
- Mathieu Rondeau
- Adrianne Mitani
- Abhishek Khurana
- Robyn Ellis
- Kathleen Mayberry
- Amanda Forest

### ALTERNATE
- Jarid Wilson
- Kevin Clannon
- Olivier Bernier
- Sonia Pournazari
- Ryan Dickinson
- Kurt Monteiro
- Mitchell Rohrer
- Rajarajan Denadayalan
- Jamie Smith

### NAME
- Don Brandt – Society (Arizona) – Society VP
- Tim McGinn – Society (Southern Alberta) – Society VP
- Ronald Gagnon – Montreal – DRC
- Danny Castellan – Windsor – RMCR
- Jeff Clarke – Montreal – ARC
- Doug Cochrane – Toronto – Regional Representative
- Nicolas Lemire – Montreal – Nominating Chair
- Isabelle Lavoie – Montreal – Nominating Alternate
- Daniel Redmond – Ottawa – RVC CTT
- Michael Genin – Toronto – RVC GA
- Ibrahim Semhat – London – RVC RP
- Alekhya Kaianathbhatta – Toronto – RVC YEA
- Liz Primeau – Ottawa Valley – RVC SA
- Tom Pollard – London Canada – CRC Secretary / RVC Historian
- Guy Perreault – Quebec – 2021 CRC Chair

### VISTORS
- AJ DeSantis (Windsor), Andy Hrutka (Windsor), Anne-Marie Bundgard (Toronto), David Underwood (Toronto), Eric Pelletier (Windsor), Frank Mesicek (Hamilton), Jean Bundock (Quebec), Mai Anh Dao (Montreal), Marli Moise (Toronto), Mustafa Morsy (Hamilton), Paul Greff (Windsor), Reaz Usmanali-Hamilton

Ron Gagnon, DRC Region 2, welcomed everyone to the Virtual CRC (the 63rd ASHRAE Region 2) at 2:00pm on Thu Aug 19, 2021.


Ron welcomed the RVCs, Delegates and Alternates.

Ron then read the ASHRAE Code Of Ethics

**ASHRAE Code Of Ethics Commitment**

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**Diversity Commitment**

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status, belief systems, sexual orientation or education.
(See full Code of Ethics:  https://www.ashrae.org/about/governance/code-of-ethics)

INTRODUCTIONS
Ron then asked those in attendance to introduce themselves (name, chapter, role).

CRC RECORDING SECRETARY
Ron then asked to appoint Tom Pollard as the CRC Secretary
Motion Moved  Vote: 9/0/0  Passed

CRC AGENDA
Ron then reviewed the CRC Agenda which was previously distributed (similar to previous CRC meetings but times adjusted for the Virtual CRC). Regional photo time to be adjusted for when everyone can have webcam turned on.
{refer to Appendix-A1 – CRC 2021 Agenda}
Motion Moved by: Hamilton - Robyn Ellis and 2nd by: Ottawa Valley  Adrianne Mitani
Vote: 9/0/0  Passed

SOCIETY and REGIONAL HIGHLIGHTS
Ron called on Doug Cochrane regarding the Society Highlights
{refer to Appendix-K – ASHRAE Annual Meeting Update}
(moved to a little later as Doug also had another conference call meeting)

REVIEW OF HONORS AND AWARDS
Ron called on Nicolas Lemire and Isabelle Lavoie to discuss the Society Awards.
{refer to Appendix-L - Honors and Awards FlowChart}

The Flow Chart has a summary of what is required to obtain awards (one page) which is helpful to see and requirements. There are Chapter service awards and Regional services awards. Chapters should also review for nominations to ASHRAE Fellow. Due dates are Dec 1 and May 1 (hard deadlines) for submission to the Honors & Awards Committee so can be reviewed before the Society meeting. There is also a new 75 year member award. The chapter is also on the web site on the Honors & Awards area.

There could be candidates in the chapters that could have awards presented to them and their members BIO needs to be updated on the Society web site. Older members may need assistance to get BIO’s updated.

There is a list of Region 2 past award winners available that can be reviewed.

RVC ROLL-OFF DATES
Ron then reviewed the Regional positions:
2022 = CTT, SA
2023 = MP, RP, YEA
2024 = DRC, RMCR, GA
Tom Pollard, Region 2 Webmaster mentioned that RVC contact names and years are on the Region 2 web site.

SOCIETY and REGIONAL HIGHLIGHTS
Ron then presented the Society Annual Meeting Highlights on behalf of Doug and was assisted by Tim McGinn
{refer to Appendix-K – ASHRAE Annual Meeting Update}
Society highlights
• Annual meeting of 970 people down substantially; 3rd virtual meeting
• Toronto & Montreal participated in panel discussion
• Virtual Career Fair for all of Society
• Pub Ed reorganization down to 2 subcommittees (from 4); Finance have a benefit/payback tool to ensure proposals will help the members
• Strategic Plan extended by 1 year due to covid
• Las Vegas winter meeting to be hybrid; encourage virtual meetings
• New Awards: RBC ward for residential building issues; Energy genius award for Building EQ
• Government Affairs: Outreach Day to Queens Park, Ottawa, NRCAN. Working with Region 11
• Region 2 Award Winners:
  Williams J Collins – Nathan Cook, RP Chair, Windsor
  Technical Paper Award – Michael Roth, Klimatt, Guelph Hamilton Chapter
  Use of Reanalysis in Ashrae Applications RP-1745
  Willis H Carrier – Justin Berquist, NRC Ottawa
  Feasability of low cost CO2 sensors for DCV Part 1 lab testing
  32 years and under outstanding paper
  Dave Palty Award – Robert Hoadley, NB/PEI Chapter RVC
  Inaugural award for GAC excellence

• Region II Scholarship Winners
  Willis Carrier – Erin MacKinnon, Mech Eng, Dalhousie $10k
  Lynn Bellenger – Yuna Oh, Mech Eng, U of Waterloo $5k
  Duane Hanson – Hayley Knowles, Mech Eng, Dalhousie $5k
  Eng Technology– Matthew Big, Mech Eng Tech Bldg Sciences, Seneca College $5k
  Ottawa Valley Chapter – Viktor Wozniak, Aerospace Eng, Carleton U $3k

• Upcoming Events
  2022 ASHRAE Winter Meeting – Las Vegas, NV (Jan 29-Feb 2/2022)
  2022 ASHRAE International Ventilation Conference (June 22-24/2022)
  2022 ASHRAE Annual Meeting (June 24-29/2022)

REGIONAL PHOTO
(taken of Delegates and Alternates – screen capture)

MINUTES OF THE FIRST BUSINESS SESSION – Thur Aug 19, 2021 3:05pm

The following attended the 1st Business Session
see ORIENTATION SESSION list

Ron Gagnon, DRC, opened the 1st Business Session at 3:05pm on Thu Aug 19, 2021.

Ron then reminded everyone about the ASHRAE Code Of Ethics and read to the group

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APPROVAL OF 2020 CRC MINUTES
Ron Gagnon, DRC, called for discussion and Motion for approval of the minutes from 2020 CRC - Virtual
Moved by: NB/PEI - John Willden and 2nd by: Ottawa Valley - Adrienne Mitani
All voted in favour of the motion and the 2020 CRC Minutes
Approved (9/0/0)
STATUS OF 2020 REGION 2 MOTIONS SUBMITTED TO SOCIETY
Ron Gagnon, DRC, called upon Dan Castellan, RMCR to report on the motions from last year at Society and the status of these motions.
[refer to Appendix-B - Region 2 Motion Society Status 2021]

READING OF NEW MOTIONS
Dan then presented/read the New 2021 Draft Motions that had been prepared so far so that Delegates and Alternates could do an initial review and discuss before formal discussion and voting on Friday. (refer to motion tables of this 2021 CRC for the actual final motions presented).

2022 CRC BUDGET – OTTAWA, ON
Ron Gagnon, DRC, indicated that with the covid causing changes and constraints by Public Health. Ottawa is still willing to host the 2022 CRC but no venue is currently set and therefore a budget not yet set.

Ron proposed that a “taskforce” be created to assist Ottawa to help prepare. Budget and venue to be set and information forwarded in the fall.

SOCIETY OFFICER REPORT
Ron Gagnon, DRC, called on Don Brandt, Society VP AND Tim McGinn for their reports and presentations.

Don Brandt presented and discussed ASHRAE Leadership:
[refer to Appendix – I1 - ASHRAE Leadership Presentation]
- ASHRAE Policies include: Code of Ethics, Sexual Harassment commitment, Commercialism Policy
- view ASHRAE Governing Documents at ashrae.org/about/governance
- Memoranda of Understanding (MOUs)
- Financial Impact of COVID-19
- Diversity, Equity, & Inclusion (DEI) in ASHRAE
- By-Laws changes – change “Member” to “Full Member” was passed
- Task Force for Building Decarbonization & Vision 2030
- Committee and Honors & Awards Nominations needed
- New Global Headquarters  http://www.ashrae.org/newhq
- Epidemic Task Force (ETF) - COVID-19 resources ashrae.org/covid19
- Membership & Communities
- ASHRAE Support – Research Promotion (RP), Grants & Scholarships
- Government Affairs – 19/20 had 50 events and 20/21 estimated 78 events
- Professional Development – eLearning, Learning Institute, Certification
- New Initiatives from President Mick Schwedler – Learning Pathways
- Publications and Standards – several updates and new
- Resources
- ASHRAE Topical Conferences
- 2022 ASHRAE Winter Conference & AHR Expo

SOCIETY STREAMLINING
Tim McGinn presented Ideas for Streamlining Our Society
[refer to Appendix - I2 - Streamlining Discussion]
- past 2 years, BOD committees investigating opportunities to streamline: no one really making strategic decisions, publications taking too long to come to market, decisions take too long
- created Guiding Principles of Streamlining Process
- Ideas for Regions/ Regional Representation
  - Keep same number of Regions
  - Consider combining two or three regions together to create super-region similar to RAL
Some other option?
- Need input from Members/Chapters
  On how to serve the Chapter and Regions better?
  What should ASHRAE stop doing or requesting?
  What is the most effective way to do things?

SOCIETY STAFF REPORT
(none presented)

CHAPTER REPORTS
Ron Gagnon, DRC, called upon each chapter delegate for their reports and highlights of the past year activities.
[refer to Appendix C – Chapter Reports]

#100 Halifax     Jarid Wilson
#117 NB/PEI      John Willden
#013 La Ville de Quebec Maxime Boivin
#014 Montreal    Mathieu Rondeau
#015 Ottawa Valley Adrianne Mitani
#016 Toronto     Abhishek Khurana
#037 Hamilton    Robyn Ellis
#116 London Canada Kathleen Mayberry
#141 Windsor     Amanda Forest

[BREAK after to Chapter Reports – a 15-minute break occurred then the Evening Event / Awards Presentation started]

EVENING EVENT

VIRTUAL AWARDS
And TRIVIA CONTEST

Guy Perreault - 2021 CRC Chair also had a fun Trivia Contest with several ASHRAE Region 2 questions.

Guy indicated that it was unfortunate that COVID has forced the in-person meeting to be cancelled and virtual CRC for the second year. It is hoped that next year’s CRC will be back to in person in Ottawa.

AWARDS
During the trivia questions, some awards were presented along with winners.
[refer to Appendix E – Award Ceremony List 2021]

MINUTES OF THE SECOND BUSINESS SESSION – Fri Aug 20, 2021 9:00am

The following attended the 2nd Business Session

<table>
<thead>
<tr>
<th>CHAPTER</th>
<th>DELEGATE</th>
<th>ALTERNATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>#100 Halifax</td>
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<td>#015 Ottawa Valley</td>
<td>Adrianne Mitani</td>
<td>Ryan Dickinson</td>
</tr>
</tbody>
</table>
Ronald Gagnon, DRC, opened the 2nd Business Session at 9:00am on Fri Aug 20, 2021.

Ron then reminded everyone about the ASHRAE Code Of Ethics and read to the group

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REGIONAL 2 STATISTICS
Ronald Gagnon, DRC, called upon Tom Pollard to show the Region 2 Statistics Table prepared from combing each of the chapter reports and allowing a year to year comparison. A review of the Regional Statistics and the chapter membership numbers (assigned and dues paying members) as the numbers effect the Region 2 Budget.

Total for Chapter Dues Paying Members = 1507 for 2021
was 1586 in 2020, and 1820 for 2019, and 1771 for 2018
Reduction in Region Dues Paying members will effect the Regional Fund and the Seed for CRC 2022.

REGIONAL VICE-CHAIR (RVC) REPORTS
Ronald Gagnon, DRC, then asked the RVC reports and highlight the year activities as a region.

[refer to Appendix D – RVC Reports]
Chapter Technical Transfer (CTT) - Daniel Redmond
Student Activities (SA) - Liz Primeau
Government Affairs (GA) – Mike Genin
Research Promotion (RP) - Ibrahim Semhat
History - Tom Pollard
Communications Committee (CC) - Tom Pollard
Young Engineers In ASHRAE (YRC/YEA) – Alekhya Kaianathbhatta
Membership Promotion (MP) – John Molnar

Ronald Gagnon, DRC, then asked Dan Castellan (RMCR) for a summary of Region Members Council meeting. Dan indicated motions reviewed and discussed.

ASHARE RESEARCH CANADA
Ronald Gagnon, DRC, called on Guy Perreault for an update on ASHARE RESEARCH CANADA (ARC).

Guy explained that a board meeting is required with Canadian Chapters in Region 2 and Region 11. A date suitable for Delegates to be set along with ARC Directors to review necessary documents – proposed end of Sept 2021.

ASHARE SOCIETY STREAMLINING FEEDBACK
Ronald Gagnon, DRC, called on Tim McGinn and Don Brandt to allow for discussion about proposed reorganization of the ASHRAE Board, Regions and Committees.

Questions and discussions involved:
- Is Board size to large at 31 total?
  - Other associations have 12 to 15
- Should Regions be joined to created lager regions
- Will larger Regions create the feeling that less of a voice at Board?
  - And then would have fewer DRCs on the Board
- How is Committee working with Regions? Who should attend CRCs?
- Do chapter members know how Society works at the top?

[BREAK to allow for setup and preparation for lunch presentation]

LUNCH EVENT
PRESIDENTIAL ADDRESS
Mick Schwedler, 2021-22 ASHRAE President

Presidential Address:

Presented by Don Brandt

refer to Society web site – Presidential Theme
https://www.ashrae.org/about/leadership/ashrae-president
with link to video: https://youtu.be/stRra4HZHjc
MINUTES OF THE THIRD BUSINESS SESSION – Fri Aug 20, 2021 1:11pm

The following attended the 3rd Business Session
see 2nd Business Session list

Ron then reminded everyone about
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WORKSHOP REPORTS
Ronald Gagnon, DRC called for the Regional Workshop Reports that had occurred before the CRC. Normally a Workshop Attendee would present by as Workshops done virtually, the RVC presented the summary.

CHAPTER TECHNICAL TRANSFER (CTT) WORKSHOP REPORT - Daniel Redmond
Attendance: 12
Challenge was the change from two sessions for a total of 5 hours for in-person workshop to virtual that was 3 hours. Dan plans on 1 on 1 sessions in future for setting of goals. Had to schedule with everyone. New people liked the overview. Plan for a solid year and continued growth.

STUDENT ACTIVITIES (SA) WORKSHOP REPORT - Liz Primeau
Attendance: 5 chapters in attendance
General 2.5 hour workshop and plan for one-to-one sessions. Reviewed reports, K to12, how to do PAOE, discussed student branches, students with captone projects, increase student numbers as a priority

GOVERNMENT AFFAIRS (GA) WORKSHOP REPORT - Michael Gerin
Attendance: 8 out of 9 chairs
Virtual 2 hours session with great attendance, review Epidemic Task Force. Number of events has been increasing and able to do virtual which is easier and quicker for meetings.

RESEARCH PROMOTION (RP) WORKSHOP REPORT - Ibrahim Semhat
Attendance: 4 out of 9 chairs
Virtual workshop and planning on make-up session. Reviewed what is needed as RP Chair, PAOE roadmap , deadlines, best practices, MBOs. Discussed goals and communications. Regional goal = $196,000 (same as last year)

HISTORICAL WORKSHOP REPORT - Tom Pollard
Attendance: 8 out of 9 chapters and able to do one-on-one follow-up, 8 returning chairs
Some chapters had items forwarded so could be displayed during the CRC breaks. PAOE revised as 125th anniversary items removed by other items stay the same so need to make up in other areas. Chapter history updates to be done. Some chapters have anniversary dates: Quebec Dec 2021 has 65th, London May 2022 has 50th, Toronto May 2022 has 100th and also the Society summer meeting.

COMMUNICATIONS WORKSHOP REPORT - Tom Pollard
Attendance: 8 out of 9 chapters (13 attendees)
Reviewed PAOE which are similar to last year but have better breakdown of events, publications, social media, promote presidential theme, use ASHRAE marketing, Communication Committee Office Hours Sessions,

YOUNG ENGINEERS IN ASHRAE (YEA) WORKSHOP REPORT - Alekhya Kaianathbhatta
Attendance: 7 out of 9 chapters
Held a workshop in July, members join for different reasons and knowing would help with retention, discussed MBOs,
PAEO and StartSmart. Leadership weekend may be revised due to covid.

**MEMBERSHIP PROMOTION (MP) WORKSHOP REPORT** - John Molnar
Attendance: 7 out of 9 chapters, Toronto had 4 in attendance
All but 1 are returning chairs, reviewed items from last year and items that did not get done, want to proceed with getting MP recruitment material translated into French, want to follow-up with member retention (cancelled and delinquents), there is a “hardship” option within ASHRAE so could help a member stay as a member.

Awards for PAOE: Blue Ribbon (1st place) – Toronto, Red Ribbon (2nd place) – Montreal
LimeLight (largest growth) - Hamilton
Boomerang (highest retention rate) - Hamilton

**CHAPTER OPERATIONS WORKSHOP REPORT** – Dan Castellan
Attendance: 24 total with all chapters represented
Reviewed the slide desk/presentation

**REGION 2 HONORS & AWARDS**
ASHRAE Staff supplied a updated list of winners. The latest version in posted on Basecamp

**EXECUTIVE SESSION & NOMINATING REPORT**
Ronald Gagnon, DRC, called on Nicolas Lemire from report from the Caucus and Executive Sessions.

Nicolas reported that the positions had been completed by using 2 virtual sessions on July 21 & 22, 18 in attendance (missing only 2) with 8/9 chapters participating. Delegates and Alternates came prepared. All positions have names brought forward.

The New Nominating Member and Alternate for next year will be:
- Nominating Member - Isabelle Lavoie
- Nominating Alternate - Frank Mesicek
- Nominating Reserve Alternate - Nicolas Lemire

The Ethics Review Board for next year will be the same as Nominating:
- Board Member - Isabelle Lavoie
- Board Alternate - Frank Mesicek
- Board Reserve Alternate - Nicolas Lemire

Nicolas thanks the Delegates and Alternates who cam prepared for the sessions which helped with the discussion.

**REGION 2 FINANCES**

**REGIONAL FINANCES – 2021-2012 BUDGET**
*refer to Appendix - H03 - Region II Budget 2021-2022*

Ronald Gagnon, DRC presented the draft Regional Financial Budget for 2021-2012 to allow for review and questions.

Ron explained that regional member numbers are down. This reduces the Chapters Assessment Dues collected. As the reported Chapter Dues paying members has been reduced to 1507 (down from 1586). Overlapping RVCs for Annual Meeting attendance has been allowed. CRC Chapter support – used to help smaller chapters send people to the CRC. Planned are LEADRS expense and YEA Weekend expense.

Society Winter and Annual/Summer Meetings have been planned for but may not be used if travel restrictions due to covid are still in effect. RVC expenses for Toronto Annual Meeting may be reduced.

Ron had the budget tabled until a review of motions and CRC Ottawa expenses are known.

**REGIONAL FINANCES – 2020-2021 AUDIT**
Ronald Gagnon, DRC reviewed the Regional Financials 2020-2021 including incomes and expenses.

Regional activity is limited due to reduced items caused by covid.

The table shows starting balance of $39,236.03 and ending balance of $52,240.28 (incomes: $20,998.51 and expenses: $7,994.26).

**2021 SOCIETY AND REGIONAL MOTIONS**

Ronald Gagnon, DRC, reviewed the motion process by reading of the motion with a Delegate to “Move”, then having a Secondar to the motion before the motion can be discussed. If there is no Secondar to the motion, then the motion will die. The Chair votes when there is a tie. There are 2 types of motions: Regional Motions and Society Motions.

Don called on Dan Castellan, RMCR to ready the motions.

Dan read/presented the prepared motions that had been submitted to allow for review, discussion and approval. (The follow motions have been reorganized below to group Society and Region Motions together).

<table>
<thead>
<tr>
<th>Motion #</th>
<th>STATUS For/Against/Abstain</th>
<th>MOTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021-S-01</td>
<td>7/0/0</td>
<td>It is proposed that the “Chapters’ reports made available by the Society” states the involvement of chapter’s and region’s assigned members on Technical Committees and other Technical activities at Society level, including involvement TC by June 2022.</td>
</tr>
<tr>
<td>2021-S-02</td>
<td>7/0/0</td>
<td>The Toronto Chapter moves that Members Council directs the Conference and Exposition Committee to make 1 of the 8 tracks for the Toronto Annual 2022 meeting on the current hot topic of “Building Decarbonization” by 9/10/2021.</td>
</tr>
<tr>
<td>2021-S-03</td>
<td>7/0/0</td>
<td>The Toronto Chapter moves that PAOE Points for YEA5, YEA6 and YEA7 shall be automatic by June 2022.</td>
</tr>
<tr>
<td>2021-S-04</td>
<td>Withdrawn</td>
<td>Moved that Society add a selectable chapter position for both ‘Golf Committee Chair’ and ‘Golf Committee Co-Chair’ in the Members CIQ by June 2022.</td>
</tr>
<tr>
<td>2021-S-05</td>
<td>Withdrawn</td>
<td>Moved that Society provide support and recommend that the National Plumbing Code of Canada, Ontario Building Code and other provincial codes, allow a sustainable plumbing trap solution in lieu of the current “trap priming” solution.</td>
</tr>
<tr>
<td>2021-R-01</td>
<td>FAIL 1/7/0</td>
<td>The Toronto Chapter moves that Regional Nomination Committee can’t have 2 people from the same chapter.</td>
</tr>
<tr>
<td>2021-R-02</td>
<td>Withdrawn</td>
<td>Host the CRC Caucus sessions virtually in advance of in person CRC</td>
</tr>
</tbody>
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**2021 SOCIETY AND REGIONAL MOTION DETAILS**

**Society Motions**

**Society Motion: 2021-S-01**

Moved By: Montreal Chapter  Seconded By: NB/PEI Chapter

Motion: **It is proposed that the “Chapters’ reports made available by the Society” states the involvement of chapter’s and region’s assigned members on Technical Committees and other Technical activities at Society level, including involvement TC by June 2022.**

Background Information: Actual Society reports do not give information to the Chapters about members’ technical involvement at the Society. Members do not declare their involvement on TC to the chapter. Therefore, chapter’s officers...
lack knowledge about their assigned members involvement and expertise outside of chapter’s operation.

Members and chapters would benefit if chapters had information about members’ involvement at Society Level and be able to better recognize members’ involvement on some TCs and at Society conferences, invite local members at local events and to share expertise and act as leaders in order to encourage colleges and local experts outside ASHRAE to follow their lead and join ASHRAE (peer to peer coaching, testimonials, shadowing).

Fiscal Impact: unknown

Vote Count: 7/0/0 For/Against/Abstained (Quebec & Halifax not in attendance)

**Society Motion: 2021-S-02**

Moved By: Toronto Chapter    Seconded By: Montreal Chapter

Motion: The Toronto Chapter moves that Members Council directs the Conference and Exposition Committee to make 1 of the 8 tracks for the Toronto Annual 2022 meeting on the current hot topic of “Building Decarbonization” by 9/10/2021.

Background Information: The Task Force on Building Decarbonization of ASHRAE request in July of 2021 that CEC consider one track on building decarbonization. The task force will have many products available by June of 2022 to present in Toronto. We feel this is the most important subject to preserve the future of our planet and will position ASHRAE as the building decarbonization experts.

Fiscal Impact: None as 8 tracks have already been announced

Vote Count: 7/0/0 For/Against/Abstained (Quebec & Halifax not in attendance)

**Society Motion: 2021-S-03**

Moved By: Toronto Chapter    Seconded By: NB/PEI Chapter

Motion: The Toronto Chapter moves that PAOE Points for YEA5, YEA6 and YEA7 shall be automatic by June 2022.

Background Information: This is data that can be easily collected on a society level, very difficult to trace on a chapter/individual level. When members are added as provisional members or promoted to voting positions at TCs, or when they provide technical presentations at society meetings and conferences, should be automatically tracked and added to the appropriate chapters PAOE points trackers.

Fiscal Impact: Unknown. Possibly None.

Vote Count: 7/0/0 For/Against/Abstained (Quebec & Halifax not in attendance)

**Society Motion: 2021-S-04**

Moved By: Windsor Chapter    Seconded By: Toronto Chapter

Motion: Moved that Society add a selectable chapter position for both ‘Golf Committee Chair’ and ‘Golf Committee Co-Chair’ in the Members CIQ by June 2022.

Background Information: Presently, Golf Committee is not a recognized position in the CIQ. It takes quite a bit of volunteer time and as such should be recognized in the ASHRAE Individual Bio Report.

Fiscal Impact: (unknown)

Vote Count: WITHDRAWN (discussed that CIQ has Chapter Special Events Committee position)

**Society Motion: 2021-S-05**

Moved By: Windsor Chapter    Seconded By: Hamilton Chapter

Motion: Moved that Society provide support and recommend that the National Plumbing Code of Canada, Ontario Building Code and other provincial codes, allow a sustainable plumbing trap solution in lieu of the current “trap priming” solution.

Background Information: The current accepted process uses water, typically sourced from the potable water supply. This water is being used to trap the sewer gases and prevent them from entering spaces as the gases may be harmful to humans. The water is typically treated as provided as ‘City Water’, or collected and treated as ‘Grey Water’. This ‘wet’ method of trap guarding disposes of fresh water, attributing to chemicals and energy use that can be greatly reduced in support of energy efficiency and sustainability. Furthermore, many of the Trap priming systems run undetected, which can produce excess amounts of water use as well as the dangerous alternative deficient amount of water allowing sewer gas pass through the trap. In some applications water needs to also be pumped to the source which expends energy in very small amounts though adds up over time.

An alternative method is to provide a solution equal to or similar to a Trap Guard which allows sewer gas pass into the sewer and stops sewer gas from entering the space, without the use of water. This is also easily installed from ground level without requiring additional piping materials to be installed underground which tend to fail. The Trap Guard solution also allows for visual inspection of the material for maintenance purposes.

Example: 100 ft of pex pipe carries approx. 1 gallon of water. One building may have 10 drains x 100 ft = 10 gallons. Toronto has 67 skyscrapers currently. Let’s say avg 40 floors each, and each have only 10 drains. That is over 26,000 gallons
of treated water. The actual number is much higher.
Fiscal Impact: unknown
Vote Count: WITHDRAWN (discussed that ASHRAE is not the proper group for this motion)

Regional Motions

**Society Motion: 2021-R-01**
Moved By: Toronto Chapter Seconded By: Quebec Chapter
Motion: The Toronto Chapter moves that Regional Nomination Committee can’t have 2 people from the same chapter.
Background Information: Having 2 people from the same chapter serving on regional nominating committee can potentially result in the region missing out on talent from other chapters.
Fiscal Impact: NIL
Vote Count: FAIL 1/7/0 For/Against/Abstained (Halifax not in attendance)

**Society Motion: 2021-R-01**
Moved By: Windsor Chapter Seconded By: Ottawa Chapter
Motion: Host the CRC Caucus sessions virtually in advance of in person CRC.
Background Information:
Fiscal Impact: NIL
Vote Count: WITHDRAWN (Operation manual has Caucus required during CRC)

END OF MOTIONS

REGION 2 WEBSITE and BASECAMP
Ronald Gagnon then asked if anyone had questions or items to add regarding the Region 2 website and Basecamp.

Tom Pollard, Region 2 Webmaster indicated that Region 2 RVC’s and Chapter contacts for 2021/2022. Society has developed a Wordpress template for chapters is any wish to use (the chapter would need to arrange for hosting at approx. $300USD).

Everyone should have Basecamp access and Chapters can also use for their Chapter Board functions. CRC information is on Region 2 web site and on Basecamp.

UPCOMING CRC DATES AND LOCATIONS
Aug 26 to 28, 2022 - Ottawa, ON - Chair: Steven Lynch, Evans Mutua
   A CRC Task Force will be created to assist Ottawa in arranging for the hosting duties as need to arrange.
Aug 25 to 27, 2023 - London, ON (chair – tbd)
Aug 23 to 25, 2024 - Toronto, ON (chair – tbd)

Note: Toronto Summer Society meeting **June 25-29/2022**

NEW BUSINESS
Ronald Gagnon, DRC, reviewed some new business

Ron has some question if any would want Region 1 joint meetings or Mega CRC would be considered. Could also consider with Region 11 or Region 5.

Concerned were about travel especially for the small chapters. Streamlining of Society may also effect had Regions are grouped.
FINAL REMARKS
Ronald Gagnon, DRC, then thanked the Delegates and Alternates for their participation over the 2 days.

Ron thanked the Society Officers for attending and their time commitment along with CRC presentations.
Don Brandt - Society Vice President
Tim McGinn - Society Vice President

Ron then proposed a Motion that the meeting be adjourned.

The 3rd Business Session of the 2021 CRC was concluded.

THE 3rd BUSINESS SESSION & CRC ADJOURNED AND CONCLUDED
AT 3:52PM ON Fri Aug 20, 2021

A CRC debriefing meeting was held after the adjournment.
# Day 1: Thursday, August 19th

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<thead>
<tr>
<th>Time (EST)</th>
<th>Event</th>
<th>Participants</th>
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<tbody>
<tr>
<td>14:00 – 14:45</td>
<td>Orientation Session</td>
<td>Delegates, Alternates, Reg. Officers&lt;br&gt;All are welcome</td>
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<tr>
<td></td>
<td>1. Welcome Remarks</td>
<td>R Gagnon</td>
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<td>2. ASHRAE Code of Ethics</td>
<td>R Gagnon&lt;br&gt;ALL</td>
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<td>3. Introduction</td>
<td>R Gagnon</td>
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<td>4. Appointment of the CRC recording secretary</td>
<td>R Gagnon</td>
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<td>5. Review and approval of CRC Agenda</td>
<td>D. Cochrane</td>
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<td>6. 2020-2021 Society and Regional Highlights</td>
<td>I. Lavoie / N. Lemire&lt;br&gt;R Gagnon&lt;br&gt;Regional team, Delegates and Alternates</td>
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<td>7. Review of Honors and Awards</td>
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<td>8. Review of RVC roll off dates</td>
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<td>9. Regional Photo</td>
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<tr>
<td><strong>14:45 – 17:00</strong></td>
<td>Business Meeting No. 1</td>
<td>Delegates, Alternates, Reg. Officers&lt;br&gt;All are welcome</td>
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<td></td>
<td>1. Call to Order</td>
<td>R Gagnon</td>
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<td>2. ASHRAE Code of Ethics</td>
<td>R Gagnon&lt;br&gt;R Gagnon</td>
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<td>3. Approval of 2020 CRC Minutes</td>
<td>R Gagnon</td>
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<td>5. Reading of any prepared Motions</td>
<td>D. Castellan&lt;br&gt;TBD</td>
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<td></td>
<td>6. 2022 Ottawa Valley CRC Budget</td>
<td>D. Castellan&lt;br&gt;TBD</td>
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<td><strong>Bio break 10 min</strong></td>
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<td>7. Society Officer Report VP</td>
<td>D. Brandt&lt;br&gt;T. McGinn&lt;br&gt;TBD</td>
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<td>8. Society streamlining presentation</td>
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<td>9. ASHRAE Staff Report</td>
<td>Delegates</td>
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<td>10. Chapter Reports (5 minutes each)</td>
<td>John G Willden&lt;br&gt;Maxime Boivin&lt;br&gt;Mathieu Rondeau&lt;br&gt;Adrienne Mitani&lt;br&gt;Abhi Khurana&lt;br&gt;Robyn Elis&lt;br&gt;Kathleen Mayberry&lt;br&gt;Amanda Rose Forest&lt;br&gt;Jarid Mathew Wilson&lt;br&gt;R Gagnon</td>
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<td>1. NB/PEI</td>
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<td>2. Québec City</td>
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<td>9. Halifax</td>
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<td>10. Meeting Adjournment</td>
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# Day 2: Friday, August 20th

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<tr>
<th>Time (EST)</th>
<th>Event</th>
<th>Participants</th>
<th>Location</th>
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<tbody>
<tr>
<td>09:00 – 11:30</td>
<td>Business Meeting No. 2</td>
<td>Delegates, Alternates, Reg. Officers &lt;br&gt; All are welcome</td>
<td>R Gagnon&lt;br&gt;R Gagnon&lt;br&gt;T. Pollard&lt;br&gt;D. Redmond&lt;br&gt;Mike Genin&lt;br&gt;I. Semhat&lt;br&gt;T. Pollard&lt;br&gt;T. Pollard&lt;br&gt;A. kaianathbhatta&lt;br&gt;J. Molnar&lt;br&gt;D. Castellan</td>
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<td>12:00 – 13:00</td>
<td>Presidential Address</td>
<td>Don Brandt VP</td>
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<td>13:00-13:15</td>
<td>Break</td>
<td>Delegates, Alternates, Reg. Officers &lt;br&gt; All are welcome</td>
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<tr>
<td>13:15 – 16:00</td>
<td>Business Meeting No. 3</td>
<td>Delegates, Alternates, Reg. Officers &lt;br&gt; All are welcome</td>
<td>R. Gagnon&lt;br&gt;R. Gagnon&lt;br&gt;D. Redmond&lt;br&gt;E. Primeau&lt;br&gt;M. Genin&lt;br&gt;I. Semhat&lt;br&gt;T. Pollard</td>
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<td>f. CC</td>
<td>T. Pollard</td>
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<td>g. YEA</td>
<td>A. kaianathbhatta</td>
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<td>h. MP</td>
<td>J. Molnar</td>
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<td>i. RMCR</td>
<td>D. Castellan</td>
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<td>Bio break 10 min</td>
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<td>4. Report from Executive Sessions</td>
<td>N. Lemire</td>
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<td>5. Finances</td>
<td>R. Gagnon</td>
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<td>6. Approval of 2020 virtual CRC Financial Statement</td>
<td>R. Gagnon</td>
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<td>7. Approval for 2021-2022 Region II Budget</td>
<td>R. Gagnon</td>
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<td>8. Region II Audit 2020-2021</td>
<td>G. Perreault</td>
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<tr>
<td>9. CRC 2022 Ottawa Valley Budget Approval</td>
<td>R. Gagnon</td>
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<td>10. Motions</td>
<td>D Castellan</td>
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<tr>
<td>11. New Business</td>
<td>R. Gagnon</td>
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<td>12. Website</td>
<td>T. Pollard</td>
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<tr>
<td>13. Basecamp</td>
<td>T. Pollard</td>
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<td>14. CRC dates for the next three years</td>
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<td>c. Toronto: Aug 23-25 2024, tentative</td>
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<tr>
<td>15. New Business</td>
<td>R. Gagnon</td>
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<td>a. June 25-27, 2022 Society Annual Summer Meeting in Toronto, ON.</td>
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<td>b. 100th ASHRAE Toronto Chapter anniversary</td>
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<td>c. 50th ASHRAE London Chapter anniversary</td>
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<td>16. Final Remarks</td>
<td>R. Gagnon</td>
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<td>17. Meeting Adjournment</td>
<td>R. Gagnon</td>
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<tr>
<th>16:00 – 17:00</th>
<th>CRC Debriefing</th>
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<tr>
<td></td>
<td>DRC, RMCR, RVC’s ASHRAE Dignitaries Quebec &amp; Ottawa CRC Chairs <em>All are welcome</em></td>
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</tbody>
</table>
**Toronto Chapter – Motion 6.a (11/10/2020):**
That Society, allocate RP funds from branch offices to the correct Chapter, and not to the chapter where that companies HQ resides.

**Answer:** It is the policy of the RP Campaign to credit gifts according to donor wishes. In most cases, that means that the local chapter is credited for gifts from a company branch, but there are exceptions. The RP Committee is reaching out to the Toronto Chapter in order to understand the circumstances of this motion and to communicate campaign policy. **(Complete)**

**Toronto Chapter – Motion 7 (11/10/2020):**
That Society continue the HVAC Essentials training in Canada with Canadian instructors while the border between the US & Canada is closed.

**Answer:** Members Council was not in favor of this motion. It was reported that according to ASHRAE’s Professional Development Manager (Karen Murray), ASHRAE has not offered face-to-face HVAC training since March 2020 and do not expect that it will change at this time. However, the Professional Development group have been working on a schedule for online training which will be offered across the globe. Also, Joel Primeau will be one of the online instructors.

**Montreal Chapter – Motion 8 (11/10/2020):**
That ASHRAE allows members to choose either a standard, a book, a guide, a course or ASHRAE merchandise instead of the annual handbook at the time of renewal.

**Answer:** Members Council did was already in progress, see information below from MP staff:

Effective beginning SY 2021-22, Full Members and Associate Members will be able to choose one of the following for the benefit of membership each year:

- That year’s Handbook (pdf)
- One ASHRAE Standard of the member’s choosing (pdf)
- One eLearning Course of the member’s choosing

**MOTION 8 FAILED.** (unanimous voice vote, chair not voting)

**Montreal Chapter – Motion 10B (11/10/2020):**
That donation to ASHRAE Foundation scholarships from a Canadian chapter or a Canadian Member are recognized by Society in Canadian dollars in order to use the same currency as ASHRAE Research Canada objectives be referred to the Foundation Trustees for consideration with copy to the RP Committee as an information item.

**Status:** This motion was referred to the Foundation Trustees for consideration with copy to the RP Committee as an information item. **(Open)**

**Montreal Chapter – Motion 10.c (11/10/2020):**
That Region 2 volunteers identify what MP and GAC documentation is required in French and begin translation which Society will review and post to the Society web site.

**Status:** This motion was referred to the Communications Committee for comment. **(Open)**

**Halifax Chapter – 2020 CRC Motion 4:**
That standard local bylaws be updated to allow for e-Votes at board of governor meetings. Currently votes are allowed by people present at the meeting in person only.
**Answer:** An action item was assigned to the Manual Subcommittee to use the same verbiage of electronic voting in the chapter constitution and bylaws that are currently in the ROB and MCO since this is already available. *(Complete)*

**Montreal Chapter – 2020 CRC Motion 5:**
That Society dedicates a Go-To-Meeting and Go-To-Webinar administrator access for each Region to facilitate the scheduling of our monthly meeting and virtual events. All chapters could have a dedicated log in account to help plan their events.

**Status:** This motion is being sent back to the chapter to determine 1) fiscal impact and 2) explore other inexpensive options that are available.

**Toronto Chapter – Motion 7a (11/14/2019):**
That Society revise the criteria for the Scholarship Program to allow the contribution to be taken in Canadian funds and the scholarship be given in Canadian funds.

**Status:** This motion was referred to the Scholarship Trustees for consideration and was later referred to the ASHRAE Foundation Trustees since the issue involves the contribution of funds, which is the responsibility and work of the ASHRAE Foundation. *(Open)*

**Quebec Chapter – Motion 8 (11/14/2019):**
That funding for the Women in ASHRAE (WIA) be restored and maintained as it was before the announcement that ASHRAE was ending its financial support of the WIA program and activities.

**Answer:** Members Council was not in favor of this motion. The WIA Breakfast (Winter) and WIA Happy Hour (Annual) events and funding were not cut for the two events. The WIA Breakfast and WIA Happy Hour are currently in the 2019-20 budget and will be in the 2020-21 conference budget unless otherwise notified. *(Complete)*

**Montreal Chapter – Motion 9 (11/14/2019):**
That in order to protect members against identity theft, the Full Date of birth (month-day-year) should not be requested at member’s registration but only MONTH and YEAR.

**Answer:** Members Council was not in favor of this motion. The ASHRAE IT and MP staff took an action item to comment on the current procedures taken to: protect member data; impact of cost and services; and impact on programs that currently uses the full date of birth. Their responses are shown below. *(Complete)*

**Comments from MP Staff:** From a programmatic stand point, ASHRAE uses the birthdate to determine eligibility for certain member grades. Affiliate is required to be less than 30, Life is 65 or older, Retiree is 55 or older, YEA is 35 years or younger. MP staff also thinks that other awards may have some sort of age requirement, but cannot speak to those with authority. MP staff are also asked for demographics on ASHRAE’s membership that tracks age, average age of total membership so the age is used quite a bit. Only allowing month/year would require extensive reprogramming, as IT staff references below. MP staff agrees that we should focus our efforts on data security versus trying to reprogram to remove date. One possibility in the meantime is that the birthdate could be removed from Chapter reports and provide only the age to chapter officers to lower the chance of the date getting into the wrong hands.

**Comments from IT Staff:** From a technical perspective, protecting member data from theft is vital and should not be limited to the scope of birthdate. It is skeptical how much additional security would be gained by removing day from the birthdate given the other data that would be lost in a breach condition. ASHRAE has recently conducted a thorough security assessment and continues to use industry best practices and equipment to protect ASHRAE’s environment (i.e. firewalls, intrusion protection systems, access control, physical security, security policies, resource isolation, etc.). That said, banks and other
institutions with much larger resources than ASHRAE have indeed been breached and so the threat is real. Fortunately, ASHRAE is likely much lower on the radar compared to larger institutions.

It may be possible to change the underlying date format of this field in ASHRAE’s database, however it’s difficult to say what kind of rippling impact it would have on the many areas of our site it would impact. For example, our Join, Renew, Profile, Account creation, and Internal/Chapter Reports would all need to be modified and tested. The content management system IT uses, NetForum, by default utilizes a full date and this is what drives many baseline types of data interaction. This would be a fairly sizable effort.

IT’s suggestion is to continue to strengthen all data security measures and use our energy for that as opposed to cherry picking single pieces of data. IT already has additional security strengthening projects actively in the works and the member sentiment for security re-affirms ASHRAE’s commitment to strong security. IT Staff has an action item to use the month and year on the reports.

**Toronto Chapter – Motion 10 (11/14/2019):**
That Society hold at least one in four annual (summer) conference in a location outside of the United States.

**Answer:** Members Council was not in favor of this motion. When selecting a site for ASHRAE’s annual conference, Society looks for cities that meet the following criteria (click on the link; this is posted on the ASHRAE.org website under the Conferences section): [Criteria for City/Hotel Selection for an ASHRAE Annual Conference](#)

- Accessibility and convenience to attendees
- Affordability for attendees and for Society
- Ideal Venue layout (i.e. one building or multiple buildings within walking distance)

An average of about 85% of ASHRAE annual conference attendees are based in the United States or Canada, therefore ASHRAE has kept annual conference sites in those two countries. The 2022 annual conference will be hosted in Toronto. Any city is welcome to place a bid on the next available ASHRAE annual conference in 2025. Any inquiries from interested cities can contact meetings@ashrae.org but all cities must be able to meet the criteria in the above link before submitting a bid. All bids are reviewed by CEC and the components listed above are the biggest factors that CEC takes into account when reviewing proposals. ASHRAE Meetings Section will announce an RFP for the 2025 Annual Conference next spring/summer. Chapters are encouraged to take the opportunity by putting in a bid to host the annual conference. *(Complete)*

**Toronto Chapter – Motion 21 (11/14/2019)**
That Society hold one HVAC Essentials course in Region II per year.

**Status:** This motion was referred to the Professional Development Committee to determine why the ALI course is saturated and no longer viable as indicated by the region. *(Open)*

**Toronto Chapter – Motion 22 (11/14/2019):**
That the SA and MP chapter chairs receive a monthly summary report in addition to the individual lapse member emails.

**Answer:** Members Council was not in favor of this motion. Chapter MP and SA chairs can login and run a report for this information whenever they want. The system can’t send digest emails. Most Chairs like the individual emails as it allows for them to handle the one member, then file it away after they reach out to them. A digest is no different than the reports they can already run from the Chapter reports web page at any time they like. Staff is not needed to set up an automated report, they just have to log in and run it when they want to see it. *(Complete)*
**Windsor Chapter – Motion 23 (11/14/2019):**
That Society “to build a Standard” for neutralization systems for the prevention of release of corrosive wastes entering a sewer system. Corrosive waste neutralization systems do not currently have a standard for compliance and is referenced in the O.B.C. (Ontario Building Code) and N.P.C. (National Plumbing Code) 7.4.4.4 and 2.4.4.4 respectively as a requirement.

**Answer:** This motion was referred to Technology Council for input from the appropriate TC. Technology Council declined to recommend this standard and determined it was best to approach a plumbing society to develop as this is outside the scope of ASHRAE (Complete)

**London Chapter – Motion 41 (11/14/2019):**
That Society revise the PAOE website page and PAOE Newsletter to clearly show for each category the chair or co-chairs that can enter points.

**Answer:** Members Council approved this motion. Staff has taken an action item to update PAOE webpage and PAOE Newsletter that clearly shows in each category which chair and/or co-chair are authorized to enter PAOE points. (Complete)

**London Chapter – 2019 CRC Motion 4:**
That Society revise the PAOE website Communications portion to allow chapter chairs for communications, plus webmaster and plus newsletter editor to enter points.

**Answer:** This motion was referred to the PAOE Communications ad hoc for consideration and was approved; this will be implemented. (Complete)

**Toronto Chapter – Motion 4 (11/8/2018):**
That Society provide an auto-renewal function for Society collected dues (includes chapter dues if paid through Society).

**Answer:** This motion was referred to Accounting and IT staff to determine feasibility and costs. The motion will be implemented however members won’t be affected until the following year’s renewal cycle because they’ll approve/choose auto-renewal when they renew this year (2020). (Complete)

**Toronto Chapter – Motion 5 (11/8/2018):**
That the Society provide an option to its members to opt-out of paper copies of the Journal.

**Answer:** This motion was referred to Publishing and Education Council. Members can opt out now by contacting ASHRAE. The council appreciates the concern for sustainability and is working to grow online/digital advertising revenue, which has supplemented or replaced a portion of many print advertising programs. That growth is occurring; however, print advertising revenue still outpaces online by more than three to one. It will be some years before online revenue will make it possible to rely on it without a substantial print advertising component. Opting out of receiving the print edition has the potential to severely damage the circulation and the accompanying value of the Journal to advertisers.

In addition, the interests of many ASHRAE members are not completely inseparable from those of advertisers in ASHRAE Journal and High Performing Buildings, and as long as the significant revenue stream from advertising supports the greater mission of ASHRAE, it is believed that the Society’s work in advancing energy efficiency and sustainability in the built environment worldwide can more than offset the use of renewable/recyclable paper in disseminating its technical information.

In the spirit of the chapter’s concerns about sustainable practices, the council is looking for ways to operate more sustainably. As an example, ASHRAE Insights is transitioning to digital-only distribution, and the use of polybag wrap for the Journal is being reduced from 10 issues to 3, with options being explored for eliminating it entirely. (Complete)
Montreal Chapter – Motion 6 (11/8/2018) / Motion 27 (06/25/2019):
That Society provide a web platform, linked to the Society membership database, to be used by local chapters to help manage their local events. The web platform would allow members to register for events, pay with a credit card online, generate certificates for CEUs, etc.

Status: This motion was referred to the Electronic Communications Committee and to the Finance Committee for comment. The Finance Committee referred this motion back to Members Council with the following questions as shown below.

- What are the estimated development costs?
- What are the ongoing maintenance costs?
- Demand – need at the chapter or regional level?
- Will a fee be charged to users or does Society bear the entire cost to implement and maintain?
- Improvements/benefits to service to our members?

Answer: Members Council was not in favor of this motion. ECC received similar motions in the past. Based on the previous motions and their similarity, ECC has made available on the ECC page of ashrae.org a whitepaper entitled Electronic Tools Used by ASHRAE Chapters for Websites, Event Planning, and Electronic Communication containing a list of online tools and resources available to, and currently used by, chapters. ECC notes that this and similar requests for online tools to be used by chapters are reoccurring requests from chapters and therefore, despite the large expense would be open to considering it, however, ECC feels that this is still best addressed at the Chapter level, and not by Society, so recommends at this time that the chapters refer to the guidance currently available from ECC. (Complete)

London Chapter – Motion 7 (11/8/2018):
That Society give credit for RP cheques received after the deadline be credited to the next year’s campaign.

Answer: This motion was referred to the RP Committee for comment. The RP Committee was not in favor of this motion. After consideration, the RP Committee decided that the current campaign deadline for chapter campaign goals and PAOE points will stand. Chapters are responsible for sending collected funds to ASHRAE headquarters by the June 30 deadline. (Complete)

London Chapter – Motion 26 (11/8/2018):
That Society allow access by the Chapter Historian to Regional Members past Society participation information.

Answer: This motion was referred to the Historical Committee. All Chapter Historians are directed to the Society H&A webpage – www.ashrae.org/honors and the H&A Reference Manual for all information regarding Honors & Awards and the nomination processes to be followed. Each Chapter Historian must contact Society to obtain individual members biographical information which should contain all members past Society participation, if it is kept up to date by the individual. Society provides very limited access to ASHRAE members’ biographical information for security reasons. (Complete)

NB/PEI Chapter – Motion 27 (11/8/2018):
That Society Change the ruling that a candidate for Chapter Service Award or Regional Award of Merit need not be a member in good standing in order to receive the award.

Answer: Members Council was not in favor of this motion. If members are cancelled, they cannot receive an award. If chapters want to recognize members for their past contributions to the chapter they are free to do this on their own. The Regional Award of Merit and Chapter Service Award are presented during the regions’ CRC. (Complete)
Montreal Chapter – Motion 28 (11/8/2018):
That Society encourage the VRF industry to publish performance data that is aligned with ASHRAE research; in particular, airspeed rates that are aligned with thermal comfort standards and research, as well as room air distribution research. Also, ratings that are based on standard room temperatures.

Answer 02/01/2021: This motion was referred to Technology Council. Technology Council referred this motion to TC 8.7 with copy to the TAC Chair. AHRI addresses the performance of VRF units in its AHRI 1230 Standard. It references ASHRAE 37 but then makes modifications in a normative appendix. This request as well as the request in item 28 has been handled through a negotiation process that included DOE. DOE will reference the AHRI 1230 Standard in its regulation so this and item 17 are complete. (Complete)

Montreal Chapter – Motion 12 (11/3/2017):
That the SmartStart fees for new members are changed from $21-$78-$103 to $20-$80-$100 starting in FY2018-19. In the future, when an increase to the dues is warranted for this program, the annual dues for SmartStart new members should be rounded up or down to a multiple of 10 to make it easier to sell.

Answer: This motion was referred to the Finance Committee. The Finance Committee agreed with the motion in principle and implemented rounding up to the nearest 0 or 5 into the newly created membership dues calculation for FY 19-20. (Complete)

NB/PEI Chapter – Motion 14 (11/3/2017):
That Society begin to research and publish ventilation information and recommendations on retail cannabis outlets as well as cannabis growing and transformation facilities.

Answer: This motion was referred to Technology Council. Staff contacted legal counsel for advice. The following is the information we received: “The cannabis issue is that we don’t have it legal in the U.S. Until such time we have to be careful what we do. While we can do research it needs to be in countries where cannabis use is legal such as Canada. While legal in some states in the U.S. it is not in all and while I believe there may have been a law recently signed by Trump that would allow states to determine it based on legal advice we need to be careful in regards to publishing things regarding cannabis.” We are cosponsoring a standard on growth houses with ASABE. This information has been shared with the relevant TCs. (Complete)

Ottawa Valley Chapter – Motion 15 (11/3/2017):
That Society consider reducing the minimum number of students required to form a formal Student Chapter from 10 student members to 5.

Answer: Members Council was not in favor of this motion. Student Branches cannot sustain itself with five (5) students; students may join another branch in their area. (Complete)

Toronto Chapter – Motion 16 (11/3/2017):
That ASHRAE join the Canadian Energy Efficiency Alliance, effective 01 July 2018.

Answer: This motion was referred to the Grassroots Government Advocacy Committee (GGAC). GGAC was in favor of this motion and Members Council approved the following motion from GGAC: “That Society join the Canadian Efficiency Alliance.” GGAC has been working to develop better ways of serving ASHRAE’s non-US members in their government relations activities and advocacy efforts. Joining the Canadian Energy Efficiency Alliance (CEEA) would help support the goal of better outreach for Canadian members. As the background states below, ASHRAE is already a member of the US-based Alliance to Save Energy, and this group has been effective at involving ASHRAE in U.S.-focused policy events and meetings with government officials. The CEEA would serve a similar role, and could further ASHRAE’s advocacy and education work with the Canadian Government. Working in collaboration with an
organization aligned with ASHRAE’s mission will provide more opportunities to interact with government officials, in a cost-effective manner. (Complete)

**Update ASHRAE 2018 Chicago Conference:** Members Council approved the following motion from the Grassroots Government Advocacy Committee, “That Society join the Canadian Energy Efficiency Alliance.”

Background: With ASHRAE becoming more involved in the Government Advocacy role outside of the United States, the Society needs to join some of the Alliances in other countries similar to the ones that ASHRAE is currently involved with in the United States. As ASHRAE has no Canadian advocacy staff compliment, the Canadian Energy Efficiency Alliance (CEEA) could assist ASHRAE in providing a voice at the Federal level of the Canadian government. The CEEA is associated with the Alliance to Save Energy (ASE) of which ASHRAE is a member and this is a natural extension.

**Montreal Chapter – Motion 31 (11/4/2017):**
That 50 PAOE points are added for each chapter activity related to Women in ASHRAE (WIA), with a maximum of 100 points.

**Answer:** This will be included in the 2018-19 PAOE. (Complete)

**London Chapter – Motion 4a (10/14/2016):**
That Society automatically convert and credit ASHRAE Canadian Members’ RP donations made online to Canadian dollars, or allow online donations to be made in Canadian dollars.

**Answer:** This motion was referred to the Development Committee, ASHRAE Comptroller and IT Staff for consideration. Because of financial impact, it is not feasible to reprogram the current system for credit card processing. The processor used cannot determine US funds vs. International funds when online contributions are made via credit card through ASHRAE Research Canada. ASHRAE does not have the software that determines any form of currency other than US (Canadian dollars are adjusted manually). Contributions received by check from Canada are processed as Canadian dollars. ASHRAE Canadian members receive credit in Canadian dollars when the currency amount is converted by the member at the time the online contribution is made. (Complete)

**Montreal Chapter – Motion 11 (10/14/2016):**
That 100 PAOE points be added for each chapter officer or board of governors member who is a woman, with a maximum of 300 points.

**Answer:** Members Council was not in favor of this motion. A similar motion from the spring 2016 CRCs failed at Members Council, (That Members Council recommend PAOE points for a chapter having a woman chair a chapter grassroots committee or sit on a chapter BOG.). The Region Operations Subcommittee Chair reported that the subcommittee believes that women are selected for the positions because they are qualified and not because they are women. (Complete)

**Montreal Chapter – 2016 CRC Motion 4:**
That the “YEA Members” Chapter Report be modified in order to have three separate columns on the Excel spreadsheet for “First name,” Last name,” and “Prefix.”

**Answer:** The YEA Staff is in agreement with the above motion and took an action item to update and implement this report. (Complete)

**Ottawa Valley Chapter – 2016 CRC Motion 5:**
That Society provide an additional title in the dropdown menu to assign committee members while completing the Chapter Information Questionnaire (CIQ) and that all committees listed on the Chapter
Service Award Tally Form (MP, RP, SA, YEA, GGAC and CTTC) have the position of “committee member” added to the dropdown options.

**Answer:** Staff was assigned an action item to include chapter committee positions as committee members in the CIQ dropdown box. *(Complete)*

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**Hamilton Chapter – 2015 CRC Motion 4:**
That Society expand the PAOE criteria in 2016-17, under the Historical category, to permit the Regional Historian to award up to 100 bonus points to a chapter historian for participating in new historical based activities unique to the Region or Society.

**Answer:** This motion was referred to the President Elect’s PAOE Subcommittee for review and consideration and it will be part of the 2016-17 PAOE (see below for Regional Historian assigns). *(Complete)*

- **100 points:** For chapter historian participating in new historical based activities unique to the Region or Society

**Hamilton Chapter – Motion 13a (11/5/2015):**
That Society modify current ASHRAE “Conference Call Protocol” to allow up to 10 conference call services to be available at Society Meetings.

**Answer:** This motion was referred to the Electronic Communications Committee (ECC) for consideration. ECC was not in favor of this motion as the conference call protocol does not address policy. *(Complete)*

**London Chapter – Motion 13c (11/5/2015):**
That Society allow a member to choose how they receive the ASHRAE Journal and associated items. Options would be as an electronic version only or electronic and mailed version.

**Answer:** This motion was referred to Publishing and Education Council (PEC) for consideration. PEC response is this is currently an option now for any member who contacts customer service. It should be noted, however, there is adverse negative impact for the selection of digital vs. print ASHRAE Journal on advertising. *(Complete)*

**Quebec Chapter – Motion 13d (11/5/2015):**
That Society review the actual membership benefits to allow the members to get multiple options of technical documents (guidelines, design guides, standards, etc.) included in the membership, rather than the obligation of the selection the current handbook.

**Answer:** This motion was referred to Publishing and Education Council (PEC) for consideration. PEC assigned an action time to the Fiscal Planning Subcommittee to review this motion. Based on the information below PEC was not in favor of this motion. *(Complete)*

With regard to the fiscal impact, the Subcommittee reviewed information showing the fiscal impact could range from $200,000 to $350,000. This would result from both loss of revenue and increased cost due to reduced Handbook print runs, as well as, a higher level of uncertainty concerning how many Handbooks need to be printed each year, increasing likelihood of unused inventory at end of life or even more expensive unit costs due to reprints. Other issues to consider include if value of the Handbook to the industry would be diminished with fewer Handbooks in circulation and it was not a reference shared by all members.

**PEC Consideration Assumptions:**
- Selection by members will be made with annual dues payment.
Members choosing the alternative publication benefit will receive books immediately upon selection, not wait for Handbook publication.

Existing fulfillment practices will be used for Alternative Publication processing.

There will be a set selection of publications from which the alternative publication benefit selection can be made. Publications will be available hard copy only. The choices will be roughly equivalent in price to 50% of Handbook nonmember price. Example choices:

- Standard 90.1
- Load Calculation Manual
- Geothermal Heat Pump Guide
- Hospital Design Guide
- Laboratory Design Guide
- Cold Climate Design Guide
- Understanding Psychrometrics

PEC Fiscal Impact Considerations:

- **Handbook Unit Cost** – Currently a range of 40,000 to 50,000 Handbooks are printed each year depending on volume. Unit cost is approximately $10 per book. The unit cost would increase depending on the number of members choosing an alternative publication option. For example, if 10% of members choose an alternative, Handbook unit cost would increase by about $7,500. If 25% chose an alternative, impact would be about $43,750.

- **Handbook Print Run** – Estimating print needs is already complex with Handbook online, CD, SI and I-P selections. Adding more options would further cloud the ability to predict print run needs. This would result either in over-estimating needs so as to not have a small print run or having a small print run at unit costs that could equal $35 per unit. This impact factor could range from $50,000 to $75,000.

- **Handbook Advertising** – Reduced Handbook circulation would decrease advertising by $5,000 to $10,000 due to the smaller advertising exposure that could be offered.

- **Loss of Sales** – Some percentage of those making an alternative publication selection would have otherwise purchased the selected publication. If 10% make a selection and half of them would have otherwise bought the publication, the loss of revenue could be $175,000.

- **Other Fiscal Impacts** – There would also be costs for an increase in bulk shipping costs (due to smaller bulk shipments). This could be $5,000 to $7,000. There would also be additional programming costs.

**Hamilton Chapter – Motion 14B (11/5/2015):**
That Society enrich the Smart Start Program by adding reduced conference fees to the current reduced membership fees. Target SSP conference fee would be $25 to $100 for the first 3 years after graduation.

**Answer:** This motion was referred to the Conferences and Expositions, Student Activities and YEA Committees for consideration. (Complete)

- CEC response: CEC will research registration figures before responding to this motion. CEC approved the following motion: “That Members Council enhance the SmartStart Program (SSP) by incorporating reduced conference registration fees for SSP members at the established “Speaker” registration rate beginning with the 2017 Annual Conference in Long Beach.” CEC also recommends that: a.) SSP include mentoring for these members so that they are encouraged to stay active within ASHRAE; and b.) work with chapters to guide new members in finding fiscally responsible ways to attend the conferences.

- SAC response: SAC is in favor of this motion. It was discussed that this could be tied to a YEA-Student mentorship where the recipient of the reduced rate would be assigned a student member to mentor during the conference.

- YEA response: YEA supports the motion of discounted registration fees for those members
participating on the SmartStart program and would recommend tying the discounted rate to the current speakers’ fee.

**Update 02/09/2017:** YEA supports the discount registration to members of the SmartStart program and takes it under advisement to develop a forum for mentoring opportunities both internal and external to this program. YEA has also taken under advisement to develop a forum for collaboration for cost sharing opportunities between members.

**Halifax Chapter – Motion 29b (11/6/2015):**
That Society apply to have ASHRAE Research Canada become a Registered Charity.

**Answer:** This motion was referred to the Finance Committee and ASHRAE attorneys for review. The Finance Committee was not in favor of this motion because ASHRAE does not qualify as a charity under Canadian law. However, contributions may be deductible as a business expense. (Complete)

**Halifax Chapter – Motion 29c (11/6/2015):**
That Society make the ASHRAE.org website mobile friendly.

**Answer:** This motion was referred to Publishing and Education Council for consideration and to determine the fiscal impact. Currently only a small percentage of website traffic comes from mobile devices. The website Content Management System does allow for device responsive display but implementing will require a redesign of website and review of structural requirements such as avoiding PDF use. Making ASHRAE.org responsive would only pertain to website content not to the membership records portion of the website which has separate functionality and the bookstore which is done through a third party. Cost of the redesign is estimated to be $50K to $80K. If a major site overhaul was conducted cost could easily reach $200,000. As an example, ASME spent several million dollars on its site redesign which was done in three phases. The PEC asked ECC to continue to keep ASHRAE.org website’s “mobile friendliness” as a goal for future website development but no action will be taken at this time. (Complete)

**Ottawa Valley Chapter – Motion 33 (11/6/2015):**
That Society provide additional titles in the dropdown menu used to assign officers during the Chapter Information Questionnaire (CIQ).

**Answer:** Members Council was not in favor of this motion. During the 2013 Fall Members Council meeting, the council approved a motion to include all positions listed in the MCO on the CIQ dropdown list. This was implemented and although co-chair positions were not on the list, they were included for the following: MP, RP, GGA, SA, YEA and CRC general chair. Also, several chapters have different committees with different names and responsibilities. It would be very difficult to keep up with the variety of positions since each chapter is different. Chapter members who serve in unofficial chapter positions lists their information on their bio under the Member Entered Data section. (Complete)

**Halifax Chapter – Motion 6b (10/2/2014):**
That Society offer a special reduced registration rate for Voting Members of Technical Committees attending Society Annual and Winter Meetings combining the One Day Registration with the Virtual Conference Registration at the current One Day Registration rate allowing the Member to attend what portions of the Conference they could, while giving them access to everything electronically. The proposed reduced rate would be implemented starting with the 2015 Annual Meeting in Atlanta, GA.

**Answer:** This motion was referred to the Conferences and Expositions Committee (CEC). CEC was not in support of this motion because the Virtual Conference is already included in a single-day registration fee. (Complete)

**Halifax Chapter – Motion 6c (10/2/2014):**
That Society offer a special registration rate for Regional and Society Officers attending Society Annual
and Winter Meetings combining the One Day Registration with the Virtual Conference Registration at the current One Day Registration rate allowing the Member to attend what portions of the Conference they could, while giving them access to everything electronically. The proposed reduced rate would be implemented starting with the 2015 Annual Meeting in Atlanta, GA.

**Answer:** This motion was referred to the Conferences and Expositions Committee (CEC). CEC was not in support of this motion because the Virtual Conference is already included in a single-day registration fee. *(Complete)*

**Hamilton Chapter – Motion 10 (10/2/2014):**
That Society create a section for each Annual and Winter Conference on recommended (not mandatory) dress code for various meeting settings/events appropriate for the specific locale, event setting, and season. Regions and Chapters can then follow Society’s lead in establishing their own recommendations.

**Answer:** Members Council was not in favor of this motion. This information is already provided in the conference program and online. There isn’t enough information in the chapter’s background to understand what the issue is. *(Complete)*

**Ottawa Valley Chapter – Motion 11 (10/2/2014):**
That Research Promotion donations received after the fiscal year deadline (June 30) are assigned to the forthcoming RP campaign of the local chapter that obtained the donation.

**Answer:** Members Council was not in favor of this motion. If chapters send in money for checks that were written in the previous campaign but the chapter submits the money after the deadline, the donor will get credit for whichever year they want, but the chapter will not get credit for the upcoming year. This is to prevent chapters from “sandbagging” for the upcoming year. Standard accounting practices do not permit money received late to be put into the RP Campaign. *(Complete)*

**Quebec Chapter – Motion 12 (10/2/2014):**
That Society provides a lower basic membership fee with add-ons for the handbook in paper format, for the handbook in CD format or for the handbook available on-line.

**Answer:** Members Council was not in favor of this motion. This has been reviewed extensively by Publishing and Education Council. It was determined that the cost of producing the CD is just as expensive as the paper version. The cost is in writing and producing the information, not reproducing it. *(Complete)*

**Hamilton Chapter – Motion 19a (10/2/2014):**
That Society create a student LinkedIn page to provide a platform for students to interact with ASHRAE.

**Answer:** This motion was referred to the Student Activities Committee (SAC). SAC was not in support of this motion. The committee agreed that a Society level student activities LinkedIn site is not a good idea at this time. Furthermore, the consensus was that if Society decides it is appropriate to create an official LinkedIn site, then students should be included with the general membership and not relegated to a separate student’s only site. Discussion threads could then be created within the main ASHRAE site that are geared more toward students. Also, students should be able to network with professionals. *(Complete)*

**Ottawa Valley Chapter – Motion 19b (10/2/2014):**
That current requirement of funding chapter scholarships within 3 years be changed to up to 10 years.

**Answer:** This motion was referred to the Foundation Trustees. The Foundation Trustees approved the following motion: That the Foundation Board of Trustees change the term for chapters to fund a scholarship from three years to five years. *(Complete)*
Halifax Chapter – Motion 20 (10/2/2014):
That the Society "Transportation Reimbursement Policy for Chapters" (Appendix 2B), be revised to include the YEA Chapter Chairs (YCC) transportation to their Chapter Regional Conference (CRC).

Answer: Members Council was not in favor of this motion. Chapter chairs reimbursed transportation to CRC are grassroots positions and the YEA chair is not a grassroots position. An ad hoc committee on Members Council was assigned an action item to review and address the status of the YEA Committee. (Complete)

Update: The Young Engineers in ASHRAE (YEA) was approved as a grassroots committee July 2018.

Halifax Chapter – Motion 17 (01/27/2015):
That Society provides points related to YEA experience equivalent to that of grassroots committees. The proposed change would be made available retroactively for members that had past YEA experience.

Answer: This motion was approved. The Regional Award of Merit and the Chapter Service Award tally forms were revised to include YEA. (Complete)

Halifax Chapter – Motion 21 (01/27/2015):
That Society provides a summary chapter membership report that lists the number of chapter members by member grade.

Answer: This motion was approved. A chapter aggregate report is available in the chapter reports section of the website as indicated in Motion 21 and that a video was created to assist members with shortcuts and tips in Excel. (Complete)

Halifax Chapter – Motion 22 (01/27/2015):
That Society provides a YEA Regional membership summary report that lists the number of YEA members by chapter.

Answer: This motion was approved. The summary report as indicated in Motion 22 is available in the chapter reports section of the website. (Complete)

Hamilton Chapter – Motion 1.1 (10/5/2013):
That Society allows Region II CRC meeting dates to be moved to early September 2015.

Answer: This motion was approved and the CRC schedule has been changed to reflect the September 2015 date. (Complete)

Hamilton Chapter – Motion 1.2 (10/5/2013):
That Society add the column "Chapter paid date" taken from the "paid to Society" Excel sheet onto the "Chapter Master List" Excel sheet.

Answer: ASHRAE Staff supports this motion and believes that adding the requested column to the Chapter Master List would streamline the workload of the MP Chairs. This request has been implemented. (Complete)

Hamilton Chapter – Motion 1.3 (10/5/2013):
That Society allow Region II the option to use the digit 2 in correspondence to eliminate the confusion with Region Eleven.

Answer: Members Council was not in favor of this motion. However, there is no reason to prohibit the Hamilton Chapter or any other chapter in Region II from using the numeral "2" in its internal communications. (Complete)
Ottawa Valley Chapter – Motion 2.1 (10/5/13):
That during the Nomination Process, names of members proposed for positions during the previous CRC be made available to caucus.

Answer: This motion was referred to the Society Nominating Committee for consideration. See Attachment M2.1-012016 for response to the motion. (Complete)

Toronto Chapter – Motion 3.1 (10/5/2013):
That Society rename and rebrand the Presidential Theme as the “Society Theme for XXXX year” rather than keeping the Presidential Theme as name.

Answer: This motion was referred to the Society Board of Directors (BOD) for consideration, the BOD did not approve this motion. While the BOD and the President-elect appreciate the intent of the motion in that it suggests that the annual theme represents Society as a whole, the theme truly belongs to the President for that Society Year, who develops it with feedback and insight from a wide variety of constituencies. Calling it the “Society Theme” might be interpreted to imply that each year Society “changes course” with the installation of a new President. In fact, the annual theme provides guidance for implementation within the scope of Society’s strategic plan. (Complete)

Toronto Chapter – Postponed Motion 4.1 (10/5/2013) / Motion 26 (01/27/2015):
That Society create rules and procedures for guidance to the chapters on how to facilitate and implement the social media platforms.

Answer: This motion was referred to Publishing and Education Council (PEC) via the Electronic Communications Committee (ECC) for consideration. An action item was assigned to the Members Council Manual Subcommittee to review the social media policy developed by ECC. The Social Media Acceptable Use Policy guidelines are now included in the MCO (see Appendix 5I) and reside on the ASHRAE website in the MCO section. (Complete)

Toronto Chapter – Motion 5.1 (10/5/2013):
That Society allow Toronto to hold the annual summer meeting in Toronto for the year 2022.

Answer: This motion was referred to the Conferences and Expositions Committee for consideration. The Conferences and Expositions Committee (CEC) was unanimous in their support of this request, pending the procedural fiscal due diligence. (Complete)

Hamilton Chapter – Motion 19 (10/5/2013):
That Society modify the CRC Historical Profile Form to reflect entries showing the total budgeted cost vs. the actual cost for conducting a CRC.

Answer: This motion was approved. (Complete)

Ottawa Valley Chapter – Motion 20 (10/5/2013):
That the awards banner style be changed to the same size and material except for color as the original banner.

Answer: This motion was approved. (Complete)

London Chapter – Motion 24 (10/5/2013):
That Society create and maintain an email list service from the membership database to allow the chapter president, president elect, secretary, and newsletter editor to send chapter notices and newsletters (pdf attachments) to their respective Chapter Membership be referred to staff to determine if this can be done.
**Answer:** This motion was referred to the Electronic Communications Committee. See Attachment M24-052014 for response to the motion. *(Complete)*

**Toronto Chapter – Motion 33 (10/5/2013):**
That Society pay transportation expenses for the Membership Promotion Chairs to attend their local CRC beginning Society year 2014-2015.

**Answer:** This motion was referred to the Membership Promotion Committee. The Membership Promotion Committee was not in support of this motion. The value of Centralized Training has shown documented results. MP put forth Centralized Training as the content needed more time than is allowable at a CRC as well as the focus and interaction with peers is so valuable that very positive responses has been provided by Membership Promotion Chairs. Society pays for this training, yet MP Chairs are still not 100% participating in many regions, therefore there is doubt that paying for them to attend CRC will make a difference in participation at CRCs. Generally, the Centralized Training is an encompassing process to fully engage the Chair in the available resources and the CRC can then be used for "feet on the ground" action items and executing MBOs in the limited time available which can be as little as one to three hours. *(Complete)*

**Toronto Chapter – Motion 34 (10/5/2013):**
That Society pay transportation expenses for the Research Promotion Chairs to attend their local CRC beginning Society year 2014-2015.

**Answer:** Members Council was not in favor of this motion. For similar reasons as stated in Motion 33 above. Research Promotion is critical to our Society and the value of Centralized Training has been demonstrated to be successful. The time available and focus at a CRC is limited and Society should support the more successful delivery of the resources for the benefit of all our members. There is doubt that paying for RP Chairs to attend CRC will make a difference in participation at CRCs. A good practice some Chapters and Regions are engaging is helping in the costs as the value justifies the expense. *(Complete)*

**London Chapter – Motion 3.1 (10/19/2012):**
That Society modify the membership database, web site reports to allow member profile information to have additional suffix types including profession designations.

**Answer:** This motion was approved and referred to the ASHRAE IT staff for implementation. *(Complete)*

**London Chapter – Motion 3.2 (10/19/2012):**
That Society modify membership database, web site reports to allow member profile information to have common name to be use in place of full name.

**Answer:** This motion was approved and referred to the ASHRAE IT staff for implementation. *(Complete)*

**London Chapter – Motion 4.1 (10/19/2012):**
That Society make additional efforts to digitize and make available on the Society web site the older issues of Transactions, Insights and Journals publications.

**Answer:** This motion was approved and referred to the Publishing and Education Council (PEC). The Historical Committee is aware of the issue and PEC has charged staff to move ahead on the matter as expeditiously. The Historical Committee has directed the focus to be on Transaction papers since their content has the greatest historical significance. *(Complete)*

**Hamilton Chapter – Motion 16 (10/19/2012):**
That Society included in the CRC Delegate and Alternate package up-to-date bios of the current retiring Board and ExCom members.
**Answer:** This motion was withdrawn. Weeks out from the regions’ CRCs, the staff liaison for the Nominating Committee provides temporary access to the member bios for delegates and alternates. (Complete)

**Toronto Chapter – Motion 17 (10/19/2012):**
That Society pay transportation reimbursement for the Membership Promotion Chairs to attend their local CRC events beginning Society 2013-2014.

**Answer:** The Membership Promotion Committee was not in support of this motion. (Complete)

**Toronto Chapter – Motion 17 (10/19/2012):**
That Society pay transportation reimbursement for the Research Promotion Chairs to attend their local CRC beginning Society year 2013-2014.

**Answer:** This motion was withdrawn. The Research Promotion Committee provides a $100 incentive for partial transportation reimbursement to members who request it when attending both their CRC and centralized training. (Complete)

**Montreal Chapter – Motion 5B (11/5/2011):**
That Society remove the ADTBAT Section as sponsored by the Montreal Sub Chapter.

**Answer:** This motion as amended was approved. (Complete)

**Ottawa Valley Chapter – Motion 22 (11/5/2011):**
That Region II be exempt from attending mandatory centralized training for membership chairs in 2012 and continue to provide MP workshop at the Region II CRC level.

**Answer:** Members Council was not in favor of this motion. It will set a precedent and prompt a flood of motions from other regions to be exempt from the training and centralized training should not be an option. (Complete)

**Hamilton Chapter – Motion 26 (11/5/2011):**

**Answer:** This motion was referred back to the Hamilton Chapter which included the website link to submit a request for a new Standard to be developed. (Complete)

**London Chapter – 2011 CRC Motion 4:**
That Society to provide Chapter Officers & Committee Chairs with instructions on how to determine PAOE points from Chapter reports available through Society.

**Answer:** This motion was referred to the Society President Elect for consideration. (Complete)

**London Chapter – Motion 8 (10/24/2010):**
That ASHRAE allow on-line web access to handbooks to full ASHRAE members in good standing through their ASHRAE membership fees at no extra charge.

**Answer:** Members Council was not in favor of this motion. There was concern of significant fiscal impact on Society. (Complete)
Ottawa Valley Chapter – Motion 9 (10/24/2010):
That Society change the date format on the Chapter Master List report form month/day/year to year/month/day.

Answer: Members Council was not in favor of this motion. Not all chapters will want this change on their reports; an action item was assigned to staff to provide instructions for the chapters' use. (Complete)

Hamilton Chapter – Motion 10 (10/24/2010):
That the Society Honors and Awards Committee expand Category E “General Activities” criteria for the Distinguished Service Award and the associated Exceptional Service Award to include points for those ASHRAE Life Members serving on the Executive Board of the ASHRAE Life Members Club [LMC] with 1 point for a year’s service as the Chair, 1 point per years’ service as Secretary; ½ point per year as Vice-Chair; ½ point per year as Treasurer and ¼ point for each the of the other directors.

Answer: This motion was withdrawn. The H&A Committee recommended that points not be given for service on the Executive Board of the Life Members Club (LMC). The LMC Executive Board is not a recognized standing ASHRAE committee and its level of activity is not comparable with that of groups permitted service points on the ESA/DSA Point Tally Form. (Complete)

Hamilton Chapter – Motion 11 (10/24/2010):
That the Society Honors and Awards Committee expand Category E “General Activities” criteria for the Distinguished Service Award and the associated Exceptional Service Award to include points for those ASHRAE members serving on the Executive of ASHRAE Research Canada [ARC] with 1 point for a year’s service as the President, ½ point for a year’s service as Secretary; and ¼ point for each of the other three Class “A” Directors.

Answer: This motion was withdrawn. The H&A Committee recommended that points not be given for ASHRAE Research Canada (ARC). The ARC's workload is not comparable to existing recognized groups permitted service points on the ESA/DSA Point Tally Form. (Complete)

Ottawa Valley Chapter – Motion 26 (02/01/2011):
That the Society President-Elect update PAOE criteria and point values for History to encourage efforts focused on ensuring preservation and accessibility of chapter historical data.

Answer: This motion was approved. (Complete)

Ottawa Valley Chapter – Motion 2 (10/24/2010):
That Society dissolve the chapter section; Kingston, Ontario, Canada sponsored by the Ottawa Valley Chapter.

Answer: This motion was approved. (Complete)

Montreal Chapter – 2009 CRC Motion 1:
That Society Headquarters correct error in the Run Chapter Master List for members who have non matching Print Grade and Member Type information.

Answer: An action item was assigned to staff to correct the error in the Run Chapter Master List for members who have non matching Print Grade and Member Type information. (Complete)

Montreal Chapter – Motion 7 (10/25/2009):
That the Program on the CIQ website have more than one scroll menu for functions by members.
Answer: Members Council was not in favor of this motion. The ASHRAE current computer system cannot do this. Each chapter position creates a single record and the computer system is not programmed to select multiple positions or create multiple records simultaneously. (Complete)

Toronto Chapter – Motion 8 (10/25/2009):
That to assist in development of society leadership, $5.00 of each Society membership dues be sent to each region based on their total assigned society dues paying members. This Leadership Fund is to be used as is appropriate for each region to develop society leadership candidates.

Answer: Members Council was not in favor of this motion. This is a regional issue and should be funded by the regional dues assessment; also no plan was provided on how the money would be used. (Complete)

Montreal Chapter – Motion 9 (10/25/2009):
That ASHRAE allow chapter staff appointed by the chapter president (for example a secretary) to get a user name and a password for the website without being an ASHRAE member.

Answer: Members Council was not in favor of this motion. The ASHRAE computer system is hardcoded to allow only authorized position-based ASHRAE members to access the database. The fiscal impact would be substantial and we need to safeguard the privacy of member data. The CIQ was modified to include Chapter Administrator as an additional position that is allowed access to the chapter member database, and chapters with paid staff can have the staff person join ASHRAE and be assigned that administrator position. (Complete)

London Chapter – Motion 27 (10/25/2009):
That Society consider a reduced registration fee of $100.00 for all first time attendees to a Society Annual or Winter Meeting.

Answer: Members Council was not in favor of this motion; this is already in place. ASHRAE sends a free pass flyer coupon to all chapter presidents each year for both the Society Annual and Winter Conferences. This coupon is for first-time meeting attendees and they have a choice of using this coupon as a one-day complimentary (no charge) registration or use toward a $245 discount on the entire meeting registration. (Complete)

Ottawa Valley Chapter – Motion 28 (10/25/2009):
That ASHRAE Research resolve the issue of donations made via credit card online to be in local funds not only American funds.

Answer: This motion was withdrawn. (Complete)

Hamilton Chapter – Motion 29 (10/25/2009):
That ASHRAE develop a standard or guideline to define and communicate intent of interoperability of technology systems in an open communications (e.g.: IP, BACnet) environment.

Answer: This motion was referred back to Region II, Hamilton Chapter for more information. To date, no other information was received. (Complete)

Toronto Chapter – Motion 3 (10/25/2008):
That the “Gold Ribbon Award” requirements be changed and submitted from every year to every five (5) years for review.

Answer: Members Council was not in favor of this motion. This should be updated each year; it is not just chapters updating chapter information. It also affects publishing history of people and companies in the
industry.

**Update:** The Historical Committee approved the following: A Gold Ribbon is awarded for brand new chapter histories (not updates) or after three updates of the previously submitted chapter history. This new criteria begins with the 2011–12 Society year. (Complete)

**Toronto Chapter – Motion 4 (10/25/2008):**
That the chapter **and regional** treasurer be given the same level of access to the online chapter database as the chapter membership promotion chair.

**Answer:** This motion as amended was approved. (Complete)

**Quebec City Chapter – Motion 15 (10/25/2008):**
That ASHRAE fix the renewal date of the membership to June 30th of each year.

**Answer:** Members Council was not in favor of this motion. This would be cost prohibitive and the ASHRAE current computer system is unable to do this. (Complete)

**Toronto Chapter – Motion 16 (10/25/2008):**
That Society expands the corporate sponsorship at the annual and winter meetings to include support of TCs.

**Answer:** Members Council was not in favor of this motion. The Society solicits sponsorships that subsidize other meeting costs and it benefits all attendees, even the TCs; in addition it would be difficult to sponsor 200+ committees and subcommittees. (Complete)

**Hamilton Chapter – 2008 CRC Motion 2:**
That ASHRAE add under the Honors and Awards section of the ASHRAE website, details about the chapter PAOE awards and the PAOE history and purpose.

**Answer:** Members Council agreed to post this information on the PAOE website. (Complete)

**London Chapter – 2008 CRC Motion 5:**
That the Society President Elect review the PAOE point system categories in order to add descriptions and indicate if PAOE points should be claimed as limited or unlimited, and for categories with limited point amounts, have the website checked to ensure that entries are not above the limited maximum amount.

**Answer:** The PAOE system is programmed not to accept an amount over the number of points that can be earned for specific line items. (Complete)

**Quebec City Chapter – 2008 CRC Motion 4:**
That Society implement (conduct) the ASHRAE research workshop at a CRC for all regions instead at a central location (like Region II does).

**Answer:** This motion was withdrawn. (Complete)

**Montreal Chapter – Motion 3 (09/21/2007):**
That Society reimburse Chapter Technology Transfer Committee Chairs for transportation expenses related to attendance at Chapters Regional Conferences (CRCs).

**Answer:** This motion was approved. This same motion was submitted by several regions during their 2007 Fall CRC. Because of this, Members Council considered one motion from Region IV which asked that both the CTTC and SAC chairs be reimbursed. (Complete)
**Quebec Chapter – Motion 4 (09/21/2007):**
That ASHRAE accelerate the process of updating the membership list. This list must be exact by the end of the next following month after a member has paid his membership.

**Answer:** This motion was approved. (Complete)

**Ottawa Valley Chapter – Motion 5 (09/21/2007):**
That a year-to-date column be added to the Chapter Change Summary report issued monthly.

**Answer:** This motion was approved. (Complete)

**Quebec Chapter – Motion 6 (09/21/2007):**
That the staff be instructed to send the recognition items for all major donors ($500+) directly to the chapter instead of directly to the donor. All other recognition items will be sent directly to the donor (<$500).

**Answer:** This motion was approved. (Complete)

**Toronto Chapter – Motion 7 (09/21/2007):**
That Canadian members must enter the chapter that they want to be assigned to when applying or renewing membership and that Society does not automatically make an assignment.

**Answer:** This motion was approved. (Complete)

**London Chapter – Motion 24 (09/21/2007):**
That Society streamline the process to ensure student membership cards are mailed to students within 60 days of Society receiving their membership applications.

**Answer:** This motion was approved. (Complete)

**Toronto Chapter – Motion 25 (09/21/2007):**
That Society reinstate giving Canadian members the choice of being able to pay their membership renewal dues in Canadian funds or US funds.

**Answer:** This motion was approved. (Complete)
TO: Vickie Grant, Manager of Region Activities
FROM: Joslyn Ratcliff, ECC Staff Liaison
DATE: May 7, 2014
SUBJECT: Referred Motion from Members Council – Response from ECC

ECC Response:
The motion is overall requesting a change of responsibility of maintaining Chapter membership mailing lists (including email lists) from the Chapter to Society. While that change can be accomplished technically, it will carry a significant fiscal impact, as well as staff resources - both of which will be ongoing and continuous into the future. This is a change that must be made by Members Council, as it will require a change to the MCO (Manual for Chapter Operations).

Therefore, ECC recommends returning the motion back to Members Council.
This motion does not fall under ECC’s “jurisdiction”, as the motion is requesting that Society be made responsible for maintaining chapter membership email lists (including an email list service), where that responsibility currently lies with the Chapter (ref. MCO - Section 1, Para 1.4.F and Section 8, Para 8.2.B). The membership lists referenced in the MCO Sections includes member email addresses.

If this change was to be made, and Society be required to maintain Chapter email lists, including email list services, the true cost (both initial set-up and ongoing maintenance), would be both significantly greater than the $500.00 originally stated in the motion's fiscal impact, as well as require significant staff time to both set up and maintain Chapter email list services for the 170+ ASHRAE Chapters.

Currently, Society maintains Society membership data that includes email addresses of members, but that data is NOT customized for each Chapter's individual needs.
Email addresses of chapter members are currently provided for download by relevant chapter officers in the form of an Excel spreadsheet.
Thus the chapter dues paying member list is consequently always available to the Chapter.

ASHRAE Staff Response:
Since member data is already provided from the ASHRAE Chapter website, each chapter officer should have a quick, easy, and correct way to pull the latest data for their communications. The chapter officers that have access can pull this data at any time and from there each chapter can choose how to communicate with its members. ASHRAE Members staff feels this would be the most straightforward way to proceed with what's been requested in Motion 21.

If this data were to be taken or synced into a separate, second location at the Society level or elsewhere, it could lead to inconsistencies in the data. One reason is because there is currently no way for opt-outs to be placed back into ASHRAE’s membership database. Furthermore there would still be significant training time involved and cost for not only the initial programming and setup but also the additional block of e-mails to be sent multiplied by a potential 170+ chapters. In addition, not all, chapters choose to send communication to only dues-paying members instead of all chapter assigned members, which
clouds the definition of what would be pulled in to such a list management service. This could lead to incorrect lists from the perspectives of the chapters and intense staff support would be needed.

The StarChapter hosting service, available as an option for ASHRAE chapters at a discounted rate (this is not an official Society product or service), offers various communication options that could potentially fill the need for the "service" part of the request stated in the motion. It's one of the many paid options that exist as optional for chapter websites as an alternative to the free ASHRAE hosting provided by my group. Although ASHRAE doesn't have affiliation with StarChapter, there is a link on the ASHRAE.org website.

To preserve data integrity and the opt-out wishes of ASHRAE members it seems that it would be best to continue to use the chapter data already provided to chapter officials from the ASHRAE website. If that system is not understood, training could be provided. If further communication tools are needed chapters could look into the functionally provided via the StarChapter hosting service.

Region II (London Chapter) – Motion 21:
That Society create and maintain an email list service from the membership database to allow the chapter president, president elect, secretary, and newsletter editor to send chapter notices and newsletters (pdf attachments) to their respective Chapter Membership.

Background: Chapters now maintain their own email lists of chapter members. This list needs to be kept up to date with additions, deletions and changes of chapter members. By having the email list maintained by Society from the master membership database, a member does not need to update email address changes in 2 locations (1-with the Society; 2-with the Chapter). Society currently maintains an email list server for ASHRAE Learning Institute, ASHRAE Standards Action, Bookstore, CIS, Government Affairs, Members First, Project Committees, and Research Project Bidders. This feature to be extended to Chapters.

Fiscal Impact: $500.00 (estimate for adjustments to the society database and add to current list server software)

Background:
APPENDIX – C

CHAPTER REPORTS

Region 2 Statistics Table

Region 2 PAOE Final Points

#100 - Halifax Chapter

#117 - NB/PEI Chapter

#013 - La Ville De Quebec Chapter

#014 - Montreal Chapter

#015 - Ottawa Valley Chapter

#017 - Toronto Chapter

#037 - Hamilton Chapter

#116 - London Canada

#141 - Windsor Chapter
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<th>Membership Promotion (as of June 1)</th>
<th># of Society Area Assigned Members</th>
<th># of Chapter Dues Paying Members</th>
<th># of New Members</th>
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<th># of New Students</th>
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<th># of Distinguished Lecturer used</th>
<th># of Social Events</th>
<th># of Refrigeration events</th>
<th># of Chapter Technology Awards (Chapter, Region, Society)</th>
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<th>Total Funds Balance (as of July 1)</th>
<th>Chapter Dues/Per Member</th>
<th>Members Cost of Meals</th>
<th>Non Member Cost of Meals</th>
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|        | $60.00     | $60.00     | $70.00     | $70.00     | $70.00     | $75.00     | $75.00     | $75.00     | $75.00     | $75.00     | $75.00     |
|        | $45.00     | $45.00     | $48.00     | $48.00     | $48.00     | $55-$65   | $55-$65   | $60-$75   | $60-$85   | $60-$85   | $0.00      |
|        | $65.00     | $65.00     | $65.00     | $65.00     | $65.00     | $65-$75   | $65-$75   | $65-$85   | $75-$95   | $75-$95   | $5-10      |

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*Minimum and PAR points indicated are for 2020-2021

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ASHRAE
Halifax Chapter
Chapter# 100
Activity Report
Year 2020-2021

2020-2021 Chapter President : Marc Rossignol
2021-2022 Chapter President: Daniel Bourque

List of Chapter BOG & Officers
for the past year: 2020-2021

1. Marc Rossignol - President
2. Daniel Bourque – President Elect
3. Jarid Wilson – Vice-President
4. Daniel Morris - Treasurer
5. Ken Mathekal - Secretary
6. Jason Leadbetter - BOG
7. Steve Ramsey - BOG
8. Conan Baker - BOG
9. Daniel Egilsson - BOG
10. Aaron Smith - BOG
11. Darrell Amirault - BOG
12. Troy Drosbeck - BOG
### Other Technical or Special Events (beside chapter meetings)

1. YEA Trivia Night  
2. Region II Virtual Career Fair  
3. Sept Golf (instead of June)  
4. BEQ Audit  
5. Virtual Day on the Hill  
6. Technology Award

### YEA/SA Activities

1. Virtual Trivia Night  
2. Region 2 Virtual Career Fair  
3. BEQ Audit assisted by student chapter  
4. Increased chapter scholarships (total of $2500 disbursed)
Social Events

1. Golf
2. YEA Virtual Trivia
3. We actually got in a Hybrid event in Nov where people met in real life!

Research Promotion/Fundraising

Chapter Goal $14,350
Total Dollars Raised $14,405

Number of Chapter Dues Paying Members = 168
Dollars Raised
per Chapter Dues Paying Member = $86

Number of Chapter Assigned Members = 193 by Society
### Chapter Finances

Chapter Bank Balance = $63,980 as of July 1/2021
Chapter Bank Balance = $52,496 as of July 1/2020

Date of Last Financial Audit = 2021/06/14

### New things implemented during the PAST year:

1. Virtual everything (except golf)
2. Mastered the virtual DL presentation
Challenges:

1. Covid restrictions in Atlantic Canada
2. Board Member Attendance at BOG meetings
3. Networking and socializing benefits of ASHRAE near-zero
4. Our treasurer got bored due to low volume of invoices and cheques.

Things the Chapter is most proud of:

1. 9 DL visits this year!
2. Technology Award
3. Engagement did not fall off a cliff
What about next year 2021-2022?

1. Learning how to small talk again during LIVE IN-PERSON events.
2. Financial subcommittee to deal with surplusses
3. More collaborative meetings with partners (CaGBC/CANS/EfficiencyNS)
4. Possibly open second student branch
5. Reach out to underrepresented communities
ASHRAE
NB/PEI Chapter
Chapter # 117
Activity Report
Year 2020-2021

2020-2021 Chapter President : Kevin Leger
2021-2022 Chapter President: John Willden

List of Chapter BOG & Officers for the past year: 2020-2021

1. President: Kevin Leger
2. President Elect: John Willden
3. Vice-President and Research Promotion Chair: Ryan Gosson
4. Treasurer: Kevin Clannon
5. Secretary: Brandon Cosman
6. Daniel Boudreau: Board of Governors
7. Jennifer Chapman: Board of Governors
### List of Chapter Committee Chairs for the past year: 2020-2021

1. CTTC Chair (Programs): Matthew Peachman
2. Membership Chair: Kevin Bregel
3. Student Activities Chair: Ted White
4. Historian: John Willden
5. Newsletter Editor: Jeremie Richard
6. Electronic Communications: Mike Boudreau

### Technical Presentations

<table>
<thead>
<tr>
<th>Presentation</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Kitchen Ventilation</td>
<td>about 15-20</td>
</tr>
<tr>
<td>2. IAQ and Covid</td>
<td>14</td>
</tr>
<tr>
<td>3. EQ is the new IQ</td>
<td>5</td>
</tr>
<tr>
<td>4. Electrification - Thermal Storage</td>
<td>32</td>
</tr>
<tr>
<td>5. HVAC Rules of Thumb</td>
<td>10</td>
</tr>
<tr>
<td>6. Cognitive Functioning in High Perf Bldgs.</td>
<td>22</td>
</tr>
<tr>
<td>7. Thermal Comfort</td>
<td>19</td>
</tr>
<tr>
<td>8. NBC 2015 and Fire/Smoke Dampers</td>
<td>21</td>
</tr>
</tbody>
</table>
Other Technical or Special Events (beside chapter meetings)

1. Jeopardy Christmas Social
2. Region 2 Career Fair

YEA/SA Activities

1. Scholarship in Covid Times
2. Region 2 Career Fair
Social Events

1. For the December Social we had a Jeopardy night using the Chapter History as a dictionary to resolve disputes.

Research Promotion/Fundraising

Chapter Goal $15,350.00
Total Dollars Raised $2500.00

Number of Chapter Dues Paying Members = 0
Dollars Raised
per Chapter Dues Paying Member = $16.66

Number of Chapter Assigned Members = 150
by Society
Chapter Finances

Chapter Bank Balance = $20,631.86 as of July 1/2021
Chapter Bank Balance = $25,296.08 as of July 1/2020

Date of Last Financial Audit = 2019/07/03 *
*The 2019-2021 report is ready to go for audit.

New things implemented during the PAST year:

1. Expense Reports for reimbursement to be sent for approval by President and/or President Elect.
Challenges:

1. Last minute organizing; hard on volunteers to get things done on time.
2. Low turnout to some meetings. Rarely had quorum.
3. Few minutes created.
4. Moving meeting time, wasn’t a regular set day and time.

Things the Chapter is most proud of:

1. Full technical program. Kudo’s to all that participated.
2. Thirty percent of executive are YEA members.
3. Used several different virtual meeting software for the first time. Only two glitches:
   • Presenter miscalculated start time due to time zones.
   • Start of another gotomeeting was delayed because the President Elect was logging onto the ASHRAE corporate ID instead of the meeting ID code.
### What about next year 2021-2022?

1. Develop and maintain a 5 Year succession plan for chapter executive and key chair positions.
2. Establish routine workflow for Chapter Operations
3. Focus on personal and professional growth of members.
4. MEET show in May – 2 DL Presentations
5. Prepare for 50th anniversary of Chapter
## List of Chapter BOG & Officers for the past year: 2020-2021

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter President / Delegate</td>
<td>Maxime Boivin</td>
</tr>
<tr>
<td>Chapter President Elect / Alternate</td>
<td>Olivier Bernier</td>
</tr>
<tr>
<td>Chapter Vice President</td>
<td></td>
</tr>
<tr>
<td>Chapter YEA Chair</td>
<td>Tomas Piché</td>
</tr>
<tr>
<td>Chapter Membership Promotion Chair</td>
<td>Jonathan Boudreau</td>
</tr>
<tr>
<td>Chapter Secretary</td>
<td>Solange Lavoie</td>
</tr>
<tr>
<td>Chapter Treasurer</td>
<td>Yves Trudel</td>
</tr>
<tr>
<td>Chapter Technology Transfer Chair</td>
<td>Guy Breton</td>
</tr>
<tr>
<td>Chapter Government Affairs Chair</td>
<td>Jean R Bundock</td>
</tr>
<tr>
<td>Chapter Research Promotion Chair</td>
<td>Laurence Boulet</td>
</tr>
<tr>
<td>Chapter Student Activities Chair</td>
<td>François Guillemette</td>
</tr>
<tr>
<td>Chapter Historian</td>
<td>Étienne Lemay</td>
</tr>
<tr>
<td>Chapter Newsletter Editor</td>
<td>Tommy Boucher</td>
</tr>
<tr>
<td>Chapter Refrigeration</td>
<td>David Gauvin</td>
</tr>
<tr>
<td>Chapter Webmaster</td>
<td>Guillaume Wieland</td>
</tr>
<tr>
<td>Chapter Board of Governors</td>
<td>Jean R Bundock</td>
</tr>
<tr>
<td>Chapter Board of Governors</td>
<td>Raynald Courtemanche</td>
</tr>
<tr>
<td>Chapter Board of Governors</td>
<td>Andréa Daigle</td>
</tr>
<tr>
<td>Chapter Board of Governors</td>
<td>Guy Breton</td>
</tr>
<tr>
<td>Chapter Board of Governors</td>
<td>Yves Trudel</td>
</tr>
<tr>
<td>Chapter Board of Governors</td>
<td>Charles-André Munger</td>
</tr>
</tbody>
</table>
Other Technical or Special Events 
(beside chapter meetings)

➢ Symposium (May 3 to May 6 2021)

YEA/SA Activities

➢ Grants given to 2 students
Social Events

➢ Annual golf tournament and bike ride
   • Cancelled

Research Promotion/Fundraising

Chapter Goal                   $17 800
Total Dollars Raised       $12 768

Number of Chapter Dues Paying Members =  109
Dollars Raised
   per Chapter Dues Paying Member = $117.14

Number of Chapter Assigned Members =  158
   by Society
Chapter Finances

Chapter Bank Balance = $63,313.67 as of July 1/2021
Chapter Bank Balance = $57,960.89 as of July 1/2020

Date of Last Financial Audit = 2019/12/13

NOTE: chapter financial audit is required to be completed each year (see ASHRAE Manual of Chapter Operations - MCO)

New things implemented during the PAST year:

➢ Gotowebinar Webinars and meetings
   • Recording of the presentation and giving the option for second viewing
➢ Virtual Symposium has been done on 4 days (instead of one day)
Challenges:

- COVID-19
  - Turning everything to virtual (monthly meetings and conferences)
- Everyone
  - Participation
- Membership
  - Retaining membership

Things the Chapter is most proud of:

- Virtual Meeting attendance, CTTC and Symposium
  - Success with attendance
  - The quality of presentations was great
- Research promotion
  - 72% vs our goal in the actual situation
What about next year 2021-2022?

- Keep our students branch active and motivated even in the distance
- Increase membership and retain members
- Adapt to new COVID-19 guidelines for CTTC, symposium, YEA and studies activities
Activity Report
Year 2020-2021

Chapter President : Audrey Dupuis

List of Chapter BOG & Officers for the past year: 2020-2021

<table>
<thead>
<tr>
<th>Officers</th>
<th>Governors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audrey Dupuis</td>
<td>Ahmed Aboueich</td>
</tr>
<tr>
<td>Sonia Pourazari</td>
<td>Nicolas Lemire</td>
</tr>
<tr>
<td>Mathieu Rondeau</td>
<td>Enrico Di Pietro</td>
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<tr>
<td>Bruno Lefebvre</td>
<td>Genevieve Lussier</td>
</tr>
<tr>
<td>Mai Anh Dao</td>
<td>Ronald Gagnon</td>
</tr>
<tr>
<td>Vice-présidente</td>
<td>Sami Maksoud</td>
</tr>
<tr>
<td>Francis Lacharte</td>
<td>Catherine E. Gosselin</td>
</tr>
<tr>
<td>Président sortant</td>
<td>Caroline Paquet</td>
</tr>
<tr>
<td>Mathieu Rondeau</td>
<td>Francois Guillemette</td>
</tr>
<tr>
<td>Bruno Lefebvre</td>
<td>Carolane Rhéaume</td>
</tr>
<tr>
<td>Mai Anh Dao</td>
<td>Jean-Gabriel Joannette</td>
</tr>
<tr>
<td>Vice-présidente</td>
<td>Daniel Robert</td>
</tr>
<tr>
<td>Francis Lacharte</td>
<td>Stanislaw Kaj</td>
</tr>
<tr>
<td>Président sortant</td>
<td>Magdalena Stanescu</td>
</tr>
<tr>
<td>Mathieu Rondeau</td>
<td>Simon Khaled</td>
</tr>
<tr>
<td>Bruno Lefebvre</td>
<td>Jean-Sébastien Trudel</td>
</tr>
<tr>
<td>Mai Anh Dao</td>
<td>Michel Landry</td>
</tr>
<tr>
<td>Vice-présidente</td>
<td>Shawn Walton</td>
</tr>
<tr>
<td>Francis Lacharte</td>
<td>Isabelle Lavoie</td>
</tr>
</tbody>
</table>

25 Gouvernors and Officers
Other Technical or Special Events 
(beside chapter meetings)

1. October: ALI online course - Geothermal Wells 3 hours course
2. October: Webinar on How to prevent covid in buildings – Specially targeting schools
3. November: Webinar on How to prevent covid in buildings – Specially targeting schools
4. November: YEA virtual technical tour and conference at ETS
5. March: Montreal Chapter Sustainability Seminar in virtual mode – a week long of technical presentations over lunch.
6. May: Refrigeration online course in 2 parts from our Refrigeration committee

YEA/SA Activities

1. November: YEA virtual technical tour and conference at ETS
2. February: SA and YEA Virtual – Regional Career fair (*thanks to Mai Anh !!)
3. February: YEA-WIA and TOY members gave a lunch webinar with a Student Branch on The consulting engineering job and female impact
Social Events

1. November : WIA webinar with a YEA Female HVAC Company president
2. December : Christmas SPECIAL: Audrey’s Quiz with the volunteers after our BOG meeting
3. January : Wine and Cheese fund raiser for the RP Campain (Live virtual event with a wine expert and a singer)
4. January : WIA webinar : How to collaborate like a pro with a tasks planner specialist
5. April : WIA lunch webinar with Kathy Baig president of OIQ
6. June : WIA Yoga in the park

Research Promotion/Fundraising

Chapter Goal 38 550 $
Total Dollars Raised 41 915 $

Number of Chapter Dues Paying Members = 310
Dollars Raised per Chapter Dues Paying Member = 41 915$ / Paid member
Number of Chapter Assigned Members = 534
Chapter Finances

Chapter Bank Balance = $94,930 as of July 1/2021
Chapter Bank Balance = $85,261 as of July 1/2020

Date of Last Financial Audit = 2020/12

NOTE: chapter financial audit is required to be completed each year (see ASHRAE Manual of Chapter Operations - MCO)

New things implemented during the year:

1. Live webinars with Gotowebinars
2. September meeting delivered « virtual and live »
3. Remote BOG meetings with Gotomeeting
4. We gave 2 new scholarship with our Scholarship Fund with Society
5. A few members participated in media Interviews (TV news, Radio, TV shows, Press)
6. We held free special webinars for the schools employee on ventilation and covid
7. We participated in 2 covid groups with other professional to help mitigate the risk and share our ASHRAE knowledge —
8. We filmed 5 interviews with local members on their ASHRAE experience for History and showed it during our virtual meeting
9. We participated on a Panel at the ASHRAE Summer meeting to share our Covid related activities
Challenges:

1. Volunteers time
2. Covid
3. A lot of webinars offers

Things the Chapter is most proud of:

1. Maintaining contact with the members during COVID
2. Keeping our investments in students (handbooks and scholarship)
3. Maintaining our technical activities for our members with our virtual conferences
4. Helping the community with our HVAC knowledge during the pandemic
5. Reaching our RP goals
What about next year 2021-2022 ?

1. Agile planning with COVID uncertainty : in-person and/or virtual activities ?

2. Digital transformation:
   • Improve our newsletter format and strategy
   • Improving social media strategy (reach, promotion, usage, etc.)

3. “Feed the roots” with
   • Focus on giving back to members (WIA, YEA and SA activities)
   • Strong technical program

4. Continue improving notoriety through GAC

5. MP : simplify strategy and value proposition to engineers

*Main operational challenge : members’ involvement (retention and recruiting)
ASHRAE
Ottawa Valley Chapter
Chapter# 015
Activity Report
Year 2020-2021
2020-2021 Chapter President : Adam Moons
2021-2022 Chapter President: Adrianne Mitani

List of Chapter BOG & Officers for the past year: 2020-2021
1. Past President – Aaron Dobson
2. President – Adam Moons
3. President Elect – Adrianne Mitani
4. Treasurer – Ryan Dickinson
5. Secretary – Celine Baribeau
6. Governor – Joel Primeau
7. Governor – Joe Della Valle
8. Governor – Celine Baribeau
9. Governor – Mike Swayne
10. Governor – Evans Mutua
Other Technical or Special Events (beside chapter meetings)

2. Women in ASHRAE Tech Hour + Social
3. September Stroke Play Golf + RP Raffle

YEA/SA Activities

1. September Stroke Play Golf
2. Regional Career Fair
3. Student Sessions with YEA members
4. Tech Sessions with Joel
5. Ottawa Regional Science Fair over Zoom and awarded three projects the ASHRAE Special Award
6. Presented at a number of online university/college classes about ASHRAE
7. Ottawa Valley Chapter ASHRAE Scholarship awarded
Social Events

1. September Stroke Play Golf
2. Women in ASHRAE Tech Hour

Research Promotion/Fundraising

Chapter Goal $34,650.00
Total Dollars Raised $23,289.10

Number of Chapter Dues Paying Members = 218
Dollars Raised
per Chapter Dues Paying Member = $106.83

Number of Chapter Assigned Members = 394
by Society
Chapter Finances

Chapter Bank Balance = $65,288.76
as of July 1/2021

Chapter Bank Balance = $54,204.41 as of July 1/2020

Date of Last Financial Audit = 2019/12

NOTE: chapter financial audit is required to be completed each year
(see ASHRAE Manual of Chapter Operations - MCO)

New things implemented during the PAST year:

1. Zoom Webinars and meetings
   • Recording and providing second viewing option
2. Chapter Incorporation
3. Added Social Media Chair position
4. Increased use of Twitter and LinkedIn to promote events
5. Moved Research Promotion off of President Elect role mid year
Challenges:

1. Chapter was very slow to start up planning and transition to digital meetings
2. Resistance to virtual events – zoom fatigue
3. Technical learning curve for online events, both hosting and attending
4. Webinar format helped and hindered chapter interaction
5. Low volunteer numbers
6. Disconnection with volunteers and members

Things the Chapter is most proud of:

1. The CCTC team making the transition to virtual and set up and seamlessly hosting the meetings
2. Increased use of LinkedIn, including 100 new followers from the region
3. Student activities continuing and jumping last minute with Career Fair
4. Virtual board meetings have been very efficient
What about next year 2021-2022?

1. Hiring new book keeper and redefining role
2. Bringing back in person meetings with hybrid model (hopefully)
3. Creating more opportunities for social events virtual & in person
4. Community building with networking and events
5. Recruit and retain more volunteers and creating a culture of larger committees. Community of volunteers and less silo-ed by roles
ASHRAE
Toronto Chapter
Activity Report
Year 2020-2021

2020-2021 Chapter President: Brendan McDermott
2021-2022 Chapter President: Abhishek Khurana

List of Chapter BOG & Officers for the past year: 2020-2021

1. PRESIDENT – BRENDAN MCDERMOTT
2. PRESIDENT ELECT – ABHISHEK KHURANA
3. VICE PRESIDENT – KURT MONTEIRO
4. TREASURER – BEATRIZ SALAZAR
5. SECRETARY – MIKE GENIN
6. PAST PRESIDENT – ANTONIO FIGUEIREDO
7. BOG - NISS FEINER
8. BOG – ANNE MARIE BUNGARD
9. BOG – ALEKHYA KAIA NATHBHATTA
10. BOG – DRAGOS PARASCHIV
11. BOG – THINUSHA PARAM
### Other Technical or Special Events *(beside chapter meetings)*

2. Diversity Event – How to climb the corporate ladder, Generational Differences in the workforce w/ Pam Duffy (SA / YEA collab)
3. Personal Development and Leadership Workshop w/ Ralph Keison
4. Personal Growth Seminar w/ Karine Leblanc
5. Student branch event - Pandemic Task Force w/ Marwa Zaatari

### YEA/SA Activities

1. **YEA**
   1. Leadership seminar
   2. Growth Seminar
2. **SA**
   1. Career Fair (Regional)
   2. Student Congress w/ all student branch presidents, vice-presidents and faculty advisors.
   3. Student Night and DL event (2 events w/ Pam and Marwa)
   4. Career workshops during National Engineering Month - How to follow up and talk to potential employers
   5. Life of New Graduates in HVAC Industry - Panel event
Social Events

1. Game night w/ student branches (virtual)

Research Promotion/Fundraising

Chapter Goal $44,000
Total Dollars Raised $42,700~

Number of Chapter Dues Paying Members = 334
Dollars Raised
per Chapter Dues Paying Member = $127.80

Number of Chapter Assigned Members = 1079
by Society
Chapter Finances

Chapter Bank Balance = $43,529.73 as of July 1/2021
Chapter Bank Balance = $34,677.01 as of July 1/2020

Date of Last Financial Audit = 2021/07/30

Audit completed by Region 2 ARC and Toronto Chapter
Past President Doug Cochrane

New things implemented during the PAST year:

1. 101 Series (CTTC)
2. Buffer platform implementation (Communications)
3. Created 3-4 new awards at the chapter level (H&A)
Challenges:

COVID

Things the Chapter is most proud of:

1. Formulated a plan to tackle COVID and organizing virtual events
2. Started a Youtube channel - Recorded all webinars and made recordings accessible to members only for free to provide more value as a chapter.
3. Increased Social Media Followers by 1000+ during the year
4. Provided value to all members by organizing events on fundamentals and on advance topics
5. Almost meeting RP Goal
6. Mike Genin Elected as GAC RVC
### What about next year 2021-2022?

30+ Active volunteers looking to put Toronto at the top of all chapters in ASHRAE Globally.

1. 100 Year Anniversary – See you all in Toronto
2. Formalizing relationships with other industry organizations in Toronto
3. Create a 3 year strategic plan for the chapter
4. Helping other ASHRAE Chapter in our region who don’t have the resources to accomplish their goals.
5. Implement Basecamp and Slack for the chapter
6. Website Redesign
7. Grow our Volunteer base
ASHRAE
Hamilton Chapter
Chapter #037

Activity Report
Year 2020-2021

Chapter President: Robyn Ellis

List of Chapter BOG & Officers for the past year: 2020-2021

20/21 Officers:
Iain Hill
Mitchell Rohrer
Robyn Ellis
Stan Holko
Aaron Besseling

20/21 BOG:
Reaz Usmanali
Mustafa Morsey
Mark Long
John Molnar
Marco Ciallella

David Rasmussen
Christopher Hofland
Jeremy Stockmans
George Menzies
YEA/SA Activities

Virtual Escape Room!  Virtual Trivia Night!

Research Promotion/Fundraising

Chapter Goal $10,850.00

Total Dollars Raised $5,578.00

Number of Chapter Dues Paying Members = 169
Dollars Raised per Chapter Dues Paying Member = $33
Number of Chapter Assigned Members = 221
Chapter Finances

Chapter Bank Balance = $ 56,429.69 as of July 1/2021
Chapter Bank Balance = $ 43,046.17 as of July 1/2020
Date of Last Financial Audit = 2021/06/21

Successes & new things implemented during the year:

• Announced new members at meetings
• Reached out to encourage advancement of members to higher grades
• Zoom Webinar platform to Host Chapter Meetings
• LinkedIn page is working well
• Revised Chapter communications & Newsletter to match ASHRAE Society branding and style
• Partnership with Toronto Chapter & HRAI for Provincial DOTH & MPP meetings
• Financial benefit of no meeting expenses was a net gain for the chapter, despite lack of meeting income
Challenges:

Virtual/Zoom Fatigue
Difficult to get students & volunteers engaged for virtual programming & meetings

Challenges:

• COVID put a stop on organizations spending on non-critical items (e.g. ASHRAE Research)
• Membership Delinquencies increased
• Student membership & engagement decreased
• Lack of avenues to invest in students during the pandemic
• Adding information to the Chapter website and getting communications out in real time:
  – Sufficient notice to our members prior to an event (goal: at least 2 weeks before)
  – Showcasing our events soon after the fact
Things the Chapter is most proud of:

- CTTC virtual program excellent quality:
  6 distinguished lecturers
- Excellent turnout at virtual meetings (exceeds pre-pandemic numbers)
- Hamilton did not lose that many members during the pandemic <1%
- Virtual ASHRAE Region II Career Fair
- Successful virtual social events: Trivia Night, Escape Room
- Meetings with MPPs and Ministry of Health & LTC and partnership with Toronto GAC

What about next year 2021-2022?

- Hybrid virtual & in-person meetings: resulting challenges or increased membership participation and event flexibility?
- Annual Golf Tournament Sept 15 (Whirlpool Golf), potential for second Golf Tournament June 2022
- Build upon existing partnerships for next DOOTH
- New meetings to connect local government with ASHRAE “Decarbonization Task Force” and their resources
- Improve Chapter website to provide better engagement with our members and showcase our events
- Student Activities Committee (as opposed to Chair efforts alone):
  - K-12 champion & STEM kits
  - Student engagement
- Approach other associations to encourage new ASHRAE chapter members
- Further reduce membership delinquencies
London Chapter
#116

Activity Report
Year 2020-2021

Chapter President: Andrew Crowley

List of Chapter BOG & Officers for 2020-2021

1. Andrew Crowley, President
2. Kate Mayberry, Vice-President
3. Kate Mayberry, RP Chair
4. Rajan Deenath, Treasurer
5. Jeff Armstrong, Secretary
6. Alex Somers, MP Chair
7. Glenn Kernaghan, Student Activities Chair
8. Tom Pollard, Historian
9. Aaron Hampel, CTTC Chair
10. Tom Deslippe, YEA Chair
11. Tom Pollard, Electronic Communications
12. Adrian Brujins, GGAC Chair
13. Andrew Crowley, Refrigeration Chair
14. John Freeman, Golf Tournament Chair
### YEA/SA Activities

One fall and one spring meeting were student nights, where approx. 50 Western student attended each.

One fall and one spring meeting were YEA nights, where YEA was promoted.

Our SA Chair introduced ASHRAE to Western HVACR students in September.

We hosted a student and YEA panel, where we had six experts discuss their jobs and industry, with a long Q and A session after. This was a success, with approx. 40 members attending.

Due to Covid, we had no in-person social gatherings.

### Social Events

Due to Covid, we had no in-person social events.

We had Q and A sessions after each monthly meeting, which never seemed to create much open discussion.

YEA and Students had the panel explained in previous slide.

BOG had a virtual Christmas social, where food and beverages were delivered to homes from a local brewery. We ate together virtually and had a good social hour!
## Research Promotion/Fundraising

<table>
<thead>
<tr>
<th>Chapter Goal</th>
<th>$12,550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Dollars Raised</td>
<td>$9,126</td>
</tr>
</tbody>
</table>

*June 2021 RP golf tournament postponed*

Number of Chapter Dues Paying Members = 91  
Dollars Raised per Chapter Dues Paying Member = $100  
Number of Chapter Assigned Members = 139

## Chapter Finances

Chapter Bank Balance = $16,276 as of July 1/2021  
Chapter Bank Balance = $17,364 as of July 1/2020

Date of Last Audit = July 2018
New things implemented during the year:

1. All meetings were hosted virtually on ASHRAE’s GoToMeeting account.
2. London and Windsor shared the meetings, rotating on a monthly basis.
3. We had more monthly meetings than ever before given the ease of hosting a virtual meeting.
4. We hosted more DL’s than ever before due to the ease of presenting virtually.
5. Student and YEA industry night.
6. Region II Job Fair (Thank you to those who organized it!)

Challenges:

1. Front end organization of the year, adapting to all the changes Covid forced.
2. RP donations were harder to obtain, requiring more effort than years past.
3. RP golf tournament was delayed all year due to Covid (scheduled for September 2021).
4. Maintaining interest of some members who were very active prior to Covid.
5. Student registration decreased due to lack of in-person meetings with the classes and all the restrictions with COVID at Western
**Things you are the most proud of:**

1. Continued strong student division attendance at meetings.
2. Sustained meeting attendance from previous years, most meetings drew above average attendance.
3. Greater variety in membership attending meetings due to good speakers/topics, and the ease of attending virtually.
4. Varied meeting topics that included a lot of DL’s and collaboration with neighboring chapters
5. Adding and engaging young membership to offset retiring individuals
6. The teamwork of our BOG throughout the year, reacting to all the changes brought on by Covid.

**What about next year 2021/2022**

1. In-person meetings/social events with hybrid approach (hopefully). If in-person events are restricted, further effort to create more virtual social events (trivia night, etc.) for this year.
2. Continue to work with neighboring chapters to promote virtual meetings to multiple chapters, increasing attendance.
3. Annual Golf Tournament (September 2021) at FireRock Golf Club after being postponed twice. The golf tournament is London Chapter's main social event and RP fundraiser for the year.
4. Increase SA/YEA social events. Chapter had success with a virtual SA/YEA industry expert panel event this past year and would like to host another again.
5. Begin dialogue with other local associations to discuss hosting a joint event in the near future with another association.
6. Increase social media engagement in an effort to reach out to larger networks.
ASHRAE
Windsor Chapter
Chapter # 141
Activity Report
Year 2020-2021

2020-2021 Chapter President : Dave Dufour
2021-2022 Chapter President: Amanda Forest

List of Chapter BOG & Officers for the past year: 2020-2021

1. Dave Dufour – President
2. Amanda Forest – President Elect
3. Jamie Smith – Treasurer
4. Eric Pelletier – Secretary
5. AJ DeSantis – Reception
6. Nathan Cook – Research Promotion Chair
7. Danny Castellan – CTTC Chair
8. Paul Greff – GAC Chair
9. Florin Corcz – Membership Promotion Chair
10. Andy Hrutka – Historian
11. Jamie Smith – Student Activities
12. Vince Lafromboise – Newsletter Editor
13. Eric Pelletier – YEA Chair
14. David Ting – Student Branch Advisor
15. Jon Palmer – Refrigeration Chair
16. James Smith – BOG
17. Steve Koutsonicolas – BOG
<table>
<thead>
<tr>
<th>Other Technical or Special Events (beside chapter meetings)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. No technical or special events were held, due to COVID</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YEA/SA Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Virtual Christmas Drinks – December 2020</td>
</tr>
</tbody>
</table>
### Social Events

1. Golf Tournament – September 2020
2. Virtual Christmas Drinks – December 2020

### Research Promotion/Fundraising

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter Goal</td>
<td>$7,850</td>
</tr>
<tr>
<td>Total Dollars Raised</td>
<td>$10,230</td>
</tr>
</tbody>
</table>

Number of Chapter Dues Paying Members = 45

Dollars Raised per Chapter Dues Paying Member = $227

Number of Chapter Assigned Members = 56 by Society
Chapter Finances

Chapter Bank Balance = $27,818.21 as of July 1/2021
Chapter Bank Balance = $23,449.04 as of July 1/2020

Date of Last Financial Audit = August 25, 2020

NOTE: there will be another audit completed for 2020-2021 year within the next few months

New things implemented during the PAST year:

1. Virtual Chapter / BOG Meetings
2. With Chapter cost savings, we were able to donate more “money” to charities/events
Challenges:

1. Active Participation within Chapter (virtually)
2. Lack of enthusiasm amongst members
3. Social / Technical Events during COVID
4. Membership Retention

Things the Chapter is most proud of:

1. Chapter Attendance for Virtual Meetings
2. Golf Tournament
3. 3 New Members
4. RP Goal Reached
5. Joint Meetings with London Chapter
6. Christmas Donation to Goodfellows
What about next year 2021-2022?

1. Planning to have more Chapter participation
2. In – person meetings
3. Increase Membership & Retain Current Members
4. Continue strong Chapter RP Campaign
APPENDIX – D

RVC REPORTS

Historical

Government Affairs (GA)

Membership Promotion (MP)

Chapter Technical Transfer (CTTC)

Research Promotion (RP)

Student Activities (SA)

Young Engineers In ASHRAE (YEA)

Communications Committee (CC)
**PAOE Summary for HISTORICAL**

<table>
<thead>
<tr>
<th>Chapter</th>
<th>PAOE 2018/19</th>
<th>PAOE 2019/20</th>
<th>PAOE 2020/21</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>change</td>
<td>change</td>
<td>change</td>
</tr>
<tr>
<td>Montreal</td>
<td>500</td>
<td>-300</td>
<td>950</td>
</tr>
<tr>
<td>Ottawa Valley</td>
<td>1000</td>
<td>0</td>
<td>650</td>
</tr>
<tr>
<td>Toronto</td>
<td>550</td>
<td>+175</td>
<td>1325</td>
</tr>
<tr>
<td>Quebec</td>
<td>350</td>
<td>-525</td>
<td>775</td>
</tr>
<tr>
<td>Hamilton</td>
<td>1000</td>
<td>+550</td>
<td>700</td>
</tr>
<tr>
<td>London (Canada)</td>
<td>450</td>
<td>-50</td>
<td>500</td>
</tr>
<tr>
<td>NB/PEI</td>
<td>200</td>
<td>-150</td>
<td>250</td>
</tr>
<tr>
<td>Windsor</td>
<td>425</td>
<td>-225</td>
<td>550</td>
</tr>
<tr>
<td>Halifax</td>
<td>325</td>
<td>-325</td>
<td>525</td>
</tr>
</tbody>
</table>

Minimum = 100  PAR = 300
Chapter Visits and Chapter Highlights

2021/2021 NO HISTORY VISITS – Covid Travel Restrictions

A few Chapters had a “history night” during virtual meetings

HIGHLIGHTS
Aug 2021 History Workshop 9/9 chapters represented
10 total in attendance at 1st session and then then 1 on 1
(in Aug 2020 had 7/9 chapters at History Workshop)

8/9 Chapter Historian Chairs are returning for 2021-2022

2020-2021 Goals established with each Chapter Historian Chairs
and Reports at end of year: I was able to get 8/9 Chapter Chair reports

HISTORY
Chapter Special Recognition

Montreal - Caroline Paquet
several articles in the "Montréaler" (was 85th chapter anniversary)
produced 4 shorts videos and shown at April and May meetings

Quebec - Étienne Lemay
Did a history night in December
Published Life Member article in April 2021 L'Infobec (chapter journal)
New items implemented during the year:

1. Will send out emails sent out to Chapter Historian Chairs every 2 months (Oct, Jan, March, May) for reminders about activities and for PAOE entry.

2. Reminders at end of year asking for final reports (after 2nd reminder was able to get 8/9 end of year reports).

Things you are the most proud of:

1. Chapter history activities in a difficult year due to virtual meetings but still able to do some history nights (was hard for smaller chapters to do special meetings and events).

2. Chapter Historians typically hold chair for more then 1 year so they already have an idea was to what is required and they continue to be involved with ASHRAE! (2021/2022 have 8/9 chairs returning).
What about next year 2021-2022?

1. CRC History Workshop – held as GoToMeeting this year (Aug 2021)  
   COMPLETED and having all 9/9
2. Will offer mid year Zoom or GoToMeetings to Chapter Historian Chairs
3. Have chapters promote Presidential Theme  
   and get Chapter Historians to work with Communication, 
   Newsletter Editors, Webmasters, Tech Transfer Chairs
4. Continue to send out email reminders and ideas with items 
   and to ensure PAOE are updated mid year (Oct, Jan, Mar, June) 
   *** mid year and final reports will be needed for RVC PAOE
5. Have Chapters update 5 year history for Gold Ribbon Award.

HISTORY
Chapter Important Dates

<table>
<thead>
<tr>
<th>Chapter#</th>
<th>Charter Date</th>
<th>Next Anniversary</th>
<th>Next Special Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>#016</td>
<td>Toronto</td>
<td>1922-05-09</td>
<td>99.24-years-old</td>
</tr>
<tr>
<td>#014</td>
<td>Montreal</td>
<td>1936-04-09</td>
<td>85.32</td>
</tr>
<tr>
<td>#015</td>
<td>Ottawa Valley</td>
<td>1952-09-16</td>
<td>68.89</td>
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<tr>
<td>#013</td>
<td>La Ville de Quebec</td>
<td>1956-12-13</td>
<td>64.64</td>
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<tr>
<td>#037</td>
<td>Hamilton</td>
<td>1959-10-22</td>
<td>61.79</td>
</tr>
<tr>
<td>#100</td>
<td>Halifax</td>
<td>1965-03-15</td>
<td>56.39</td>
</tr>
<tr>
<td>#116</td>
<td>London (Canada)</td>
<td>1972-05-08</td>
<td>49.24</td>
</tr>
<tr>
<td>#117</td>
<td>NB/PEI</td>
<td>1972-10-13</td>
<td>48.81</td>
</tr>
<tr>
<td>#141</td>
<td>Windsor</td>
<td>1983-11-19</td>
<td>37.71</td>
</tr>
</tbody>
</table>
# ASHRAE Region 2 Government Affairs

Regional Vice Chair (incoming): Mike Genin  
Regional Vice Chair (rolling off): Rob Hoadley

## Activity Report

### Year 2020-2021

---

### PAOE Summary for GAC

<table>
<thead>
<tr>
<th>Chapter</th>
<th>PAOE 2018/19</th>
<th>PAOE 2019/2020</th>
<th>PAOE 2020/2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quebec</td>
<td>650</td>
<td>700</td>
<td>700</td>
</tr>
<tr>
<td>Montreal</td>
<td>1310</td>
<td>900</td>
<td>1950</td>
</tr>
<tr>
<td>Ottawa Valley</td>
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<td>0</td>
<td>900</td>
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<tr>
<td>Toronto</td>
<td>1150</td>
<td>1350</td>
<td>1850</td>
</tr>
<tr>
<td>Hamilton</td>
<td>2555</td>
<td>1600</td>
<td>850</td>
</tr>
<tr>
<td>Halifax</td>
<td>200</td>
<td>950</td>
<td>350</td>
</tr>
<tr>
<td>London (Canada)</td>
<td>500</td>
<td>650</td>
<td>700</td>
</tr>
<tr>
<td>NB/PEI</td>
<td>250</td>
<td>500</td>
<td>350</td>
</tr>
<tr>
<td>Windsor</td>
<td>750</td>
<td>2200</td>
<td>1500</td>
</tr>
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</table>

Minimum = 500      PAR = 1000

---

Appendix - D02 - GAC Report
Chapter Visits and Chapter Visit Highlights

Visits and Highlights

No in person visits due to covid.
Virtual meetings with NB/PEI and Halifax Chapters

Chapter Special Recognition

1. Montreal of highest PAOE points

2. Toronto – John Cusato rolling off as GAC Chair after 3 years
   1. DC, DU and JC heavy lifting with school boards. ASHRAE referenced in their operational guide.

3. PEI – Rob Hoadley rolling off as RVC GAC after 3 years

4. Windsor > 1000 PAOE points

5. Ottawa – new Chair – Ryan Dickinson

6. Toronto – new Chair – Marli Moise

7. London – new Chair – Andrew Crowley
New items implemented during the year:

1. Virtual Meetings due to covid.
   1. Virtual Day on the Hill
   2. Virtual Day in Queen's Park
2. ASHRAE Decarbonization Task Force
3. ASHRAE Epidemic Task Force

Things you are the most proud of:

1. ASHRAE Region II being the “go to”
   a) Infrastructure Canada contact – contacted us
   b) Environment and Climate Change Canada – contacted us
   c) City of Toronto – contacted us
2. New Relationship with Efficiency Canada
3. Relationship with HRAI and assistance with Day at Queen's Park
What about next year 2021-2022?

1. Planning Sessions with each Chapter
2. Aim for “Day on the Hill” (Ottawa) in spring 2022
3. Attempts for in person Chapter visits (pending covid)
4. Continuity and follow-up, ie; EE Canada local champions
5. Calendar of events to improve participation
6. Engage chapter Chairs on local government level, municipal, school boards etc…

Appendix - D02 - GAC Report
2020-2021 REGION 2 MP REPORT

DATE: 8/12/2021

TO: MEMBERSHIP PROMOTION COMMITTEE

RE: REGION 2 MEMBERSHIP REPORT

1.0 REGIONAL ACTIVITY:
Give overview of the status of the current Society Membership Promotion campaigns (year-to-date)
- Virtual Centralized Training (June 2020)
  - Full Credit: 6 Chapters (Ottawa, Windsor, Quebec, Hamilton, Montreal, Toronto)
  - Partial Credit for 1 session: 2 Chapters (London, Halifax)
  - No Training: 1 Chapter, (NB/PEI)
- Virtual Centralized Training (June 2021)
  - Full Credit: All 9 Chapters (Ottawa, Windsor, Quebec, Hamilton, Montreal, Toronto, Halifax, NB/PEI, London) YAY!!!

Summarize your CRC Workshop – attendance, action items, motions that went forth from your region related to membership promotion, or any other highlights. Submit completed CRC workshop resource manual evaluation forms to the CRC subcommittee chair. Provide feedback (+/-) on strategies used to present workshop materials.
- CRC was virtually hosted by Quebec
  - 8/9 chairs attended CRC Workshop, a separate 1-on-1 was held with the ninth due to a scheduling conflict.

2.0 CHAPTER CONTACT
Give overview of Chapter visits (include details on what you did during your visit and suggestions for others to consider).
- No Chapter visits due to COVID, virtual or in-person.

3.0 CHAPTER HIGHLIGHTS
Detail any outstanding or successful Chapters including Chapter incentives for: Membership night promotional ideas or noteworthy incentives, activities, gimmicks, golf tournaments, fishing trips, give-aways, etc.
- Montreal focused on Member Retention (deliq emails), challenge was 100% virtual, different types of members, members seemed to forget why to come out or stay in membership. Social is a large component. A lot of companies cut ASHRAE membership for their employees.
- No chapters have a diversity chair. Mar. 8 Int’l Women’s Day, had trouble advertising (Toronto). Sheila Hater, NASA, 2 from Toronto. Diversity communication in the workplace.
- TO did member bring a member. Had an increase in attendance.

AI JOHN – Connect Azadeh with DIA folks. Encourage chapters to have chairs devoted to DIA at CRC. How to pitch to get more attendees.
4.0 REGIONAL STATISTICS – Attach Excel spreadsheet summary of statistics for each chapter, including Regional totals and PAOE points.

<table>
<thead>
<tr>
<th>Ch#</th>
<th>Chapter</th>
<th>Adv</th>
<th>Start</th>
<th>New</th>
<th>%New</th>
<th>Delinquencies “Member Unpaid”</th>
<th>%Del</th>
<th>Cancel</th>
<th>%Cancel</th>
<th>Net Growth</th>
<th>Goal</th>
<th>%Net Growth</th>
<th>PAOE</th>
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<td>163</td>
<td>20</td>
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<td>13</td>
<td>8%</td>
<td>21</td>
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<td>-1</td>
<td>3</td>
<td>-1%</td>
<td>950</td>
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<tr>
<td>14</td>
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<td>534</td>
<td>52</td>
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<td>32</td>
<td>6%</td>
<td>87</td>
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<tr>
<td>15</td>
<td>OTTAWA VALLEY</td>
<td>9</td>
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<td>31</td>
<td>8%</td>
<td>65</td>
<td>16%</td>
<td>-28</td>
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<td>-7%</td>
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<td>7%</td>
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<td>16</td>
<td>6%</td>
<td>22</td>
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<td>-6</td>
<td>6</td>
<td>-2%</td>
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<td>12</td>
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<td>34</td>
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<td>8</td>
<td>6%</td>
<td>18</td>
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<td>-4</td>
<td>3</td>
<td>-3%</td>
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<tr>
<td>117</td>
<td>NB/PEI</td>
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<td>8</td>
<td>5%</td>
<td>16</td>
<td>11%</td>
<td>13</td>
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<td>-5</td>
<td>3</td>
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<td>575</td>
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<td>5</td>
<td>8%</td>
<td>10</td>
<td>16%</td>
<td>-6</td>
<td>1</td>
<td>-10%</td>
<td>1070</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>13</strong></td>
<td><strong>3001</strong></td>
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<td><strong>10%</strong></td>
<td><strong>206</strong></td>
<td><strong>7%</strong></td>
<td><strong>468</strong></td>
<td><strong>16%</strong></td>
<td><strong>-159</strong></td>
<td><strong>61</strong></td>
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</table>
ASHRAE Region 2
CTTC Report
RVC: Daniel Redmond

Activity Report
Year 2020-2021

PAOE Summary for CTTC

<table>
<thead>
<tr>
<th>Chapter</th>
<th>2016-17</th>
<th>2017-18</th>
<th>2018-19</th>
<th>2019-20</th>
<th>2020-21</th>
<th>Change</th>
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<tbody>
<tr>
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<td>2625</td>
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</tr>
<tr>
<td>Montreal</td>
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<td>2800</td>
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<td>Toronto</td>
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</tr>
<tr>
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<td>3000</td>
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</tr>
<tr>
<td>Halifax</td>
<td>900</td>
<td>900</td>
<td>1775</td>
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<td>2600</td>
<td>112%</td>
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<td>London (Canada)</td>
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<td>1100</td>
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<td>1740</td>
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<td>67%</td>
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<td>NB/PEI</td>
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<td>1275</td>
<td>700</td>
<td>1141</td>
<td>1145</td>
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(min 550, Par 1050)
**PAOE Summary for CTTC**

- Minimum = 550
- PAR = 1050

**REGION II - 2021 CRC**

*Daniel Redmond - RVC CTTC*

### DL Program

- **2020-2021:**
  - 0/10 allocated visits used (due to pandemic)
  - 28 non-allocated visits used!!!
    - 280 total non-allocated visits across Society
    - Region II made more use of DL program than any other region
  - DL travel restrictions – all presentations moved online
- **2021-2022:**
  - 9 allocated visits
    - Down from 10 in 19-20 and 20-21
    - Fall 2021 plan for virtual presentations)
Technology Awards 2020

2019-20:

- 5 Technology Awards entered into Regional competition
  - Montreal (2), Toronto, Hamilton, Halifax
- 3 Technology Awards entered into Society competition
  - First Place
  
  Dalhousie IDEA and Design Buildings
  Aaron Smith, Denis Morris and Andrew Bartlett (Halifax), Category II – Educational Facilities, New

Technology Awards 2021

2020-21:

- 8 Technology Awards entered into Regional competition

<table>
<thead>
<tr>
<th>Submission</th>
<th>Submitted By</th>
<th>Chapter</th>
<th>Category</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEPAQ Parc national du mont Tremblant Discovery Center</td>
<td>Martin Roy</td>
<td>Montreal</td>
<td>Other Institutional - New</td>
<td>First Place</td>
</tr>
<tr>
<td>MEC Vancouver Store</td>
<td>Roland Charneux</td>
<td>Montreal</td>
<td>Commercial Buildings, New</td>
<td>First Place</td>
</tr>
<tr>
<td>Mitchell House Residence</td>
<td>Massimo Orlitaine</td>
<td>Montreal</td>
<td>Residential</td>
<td>First Place</td>
</tr>
<tr>
<td>Glencore - CCR Refinery</td>
<td>Louis Cavanagh</td>
<td>Montreal</td>
<td>Industrial Facilities or Processes, Existing</td>
<td>First Place</td>
</tr>
<tr>
<td>Centre de services scolaire Marguerite-Bourgeoys</td>
<td>Antoine Courchesne-Tardif</td>
<td>Montreal</td>
<td>Educational Facilities, Existing</td>
<td>First Place</td>
</tr>
<tr>
<td>Efficient Indoor Farming - Lyonleaf</td>
<td>Daniel Robert &amp; Simon Kattoura</td>
<td>Montreal</td>
<td>Industrial Facilities or Processes, New</td>
<td>First Place</td>
</tr>
<tr>
<td>Batawa Shoe Factory</td>
<td>Conor Caulwell</td>
<td>Toronto</td>
<td>Commercial Buildings, Existing</td>
<td>First Place</td>
</tr>
<tr>
<td>Lakeridge Health</td>
<td>Guillaume Lavallee</td>
<td>Toronto</td>
<td>Health Care Facilities, Existing</td>
<td>First Place</td>
</tr>
</tbody>
</table>

- Deadline for submitting documents to RVC for Society competition is August 23rd
Chapter Visits and Chapter Visit Highlights

- RVC visited 1 of 9 chapters this year
- Still to visit other chapters in 2021-22

CTTC Highlights of 2020-2021

- All chapters met par for PAOE
- Outstanding use of the DL Program
- Solid Technology Awards Program
- Perseverance amidst COVID-19
Looking Ahead for 2021-2022

2021-22
- Fall programs are planned to be virtual
- Continue Technology Award success
- Planning for additional Region II CTTC meetings
  - Increase frequency of reporting
  - Collaborate and share success stories

CTTC Workshop

- Workshop held on Wednesday August 11th
- 8 of 9 chapters attended (including chapter chairs and co-chairs)
- Goal setting sessions ongoing

Without effective CTTC Chairs, the Society fails.

If we can't get people to a meeting in a well lit, comfortable location; with an engaging, easily understandable speaker; to hear a timely topic of broad interest; with a quality meal; and in a convenient location...they won't stay in ASHRAE nor encourage their colleagues to (MP fails); they won't donate to research (RP fails); they won't encourage students or young engineers to participate (oops there go Student Activities and YEA).

You get the point?

We, in the CTTC business, are Society's contacts to the membership. WE make the first impression.
# ASHRAE Region 2 Research Promotion

**RVC: Ibrahim Semhat**

## Activity Report

Year 2020-2021

## PAOE Summary (MIN 800 / PAR 1050)

<table>
<thead>
<tr>
<th>Chapter</th>
<th>PAOE 2018/19</th>
<th>PAOE 2019/20</th>
<th>PAOE 2020/21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quebec</td>
<td>4408</td>
<td>1298</td>
<td>1455</td>
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<td>Montreal</td>
<td>1625</td>
<td>1110</td>
<td>2535</td>
</tr>
<tr>
<td>Ottawa Valley</td>
<td>3132</td>
<td>1140</td>
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<td>Toronto</td>
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<td>2840</td>
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<td>Hamilton</td>
<td>1430</td>
<td>1015</td>
<td>745</td>
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<tr>
<td>Halifax</td>
<td>2549</td>
<td>1405</td>
<td>2861</td>
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<td>1156</td>
<td>1073</td>
<td>1055</td>
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<td>NB/PEI</td>
<td>2817</td>
<td>810</td>
<td>267</td>
</tr>
<tr>
<td>Windsor</td>
<td>3840</td>
<td>4920</td>
<td>6127</td>
</tr>
</tbody>
</table>
Chapter Visits and Chapter Visit Highlights

Physical Visits:
1. None. 😊

Virtual Visits:
1. Hamilton Chapter RP Night.
2. London Chapter RP Night.
3. Windsor Chapter RP Night.

Chapter Special Recognition

1. There were many chapters which pushed through Covid-19 pandemic year: Montreal, Halifax & Windsor chapters exceeded their RP goal.
2. Francis Lacharite, Nathan Cook and Jason Leadbetter had the best communication with Society Staff and RVC.
3. Windsor Chapter scored 6127 RP PAOE points, Halifax and Montreal Chapters scored 2861 and 2535 RP PAOE points respectively.
New items implemented during the year:

1. Vast Efforts motivating chapters to not "give in" to Covid downturn.
2. Utilizing Basecamp for RP Committee planning & communication.
3. RP RVC pushing Society to have a Canadian "landing page" on the RP website to have a page focused on RP in Canada, but making little/slow progress.

Things you are the most proud of:

1. Chapters that were able to keep up good spirits during the Covid downturn, I specifically noticed: Montreal, Halifax, Toronto and Windsor.
2. High participation of chapter RP chairs at our last CRC and CT sessions.
What about next year 2021-2022?

1. Continue to motivate RP Chairs & Chapters to meet and/or exceed RP goals during the ongoing COVID-19 Pandemic.

2. Work with Society on RP Canada landing page on RP website

3. Collaborate with Society & Chapters to enhance the RP donations in Canadian funds to be recognized.

4. Work on improving communication with RP Chairs & Chapters.

5. Continue to utilize Basecamp to drive Region II RP campaign and schedule.
ASHRAE Region II  
Student Activities  
RVC (rolling off): Mai Anh Dao  
RVC (incoming): Elizabeth Primeau

Activity Report  
Year 2020-2021

PAOE Summary for Student Activities

<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>QUEBEC</td>
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<td>3282</td>
<td>3625</td>
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<td>4322</td>
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<td>3440</td>
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<td>830</td>
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<td>1540</td>
<td>1250</td>
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<tr>
<td>HALIFAX</td>
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<td>LONDON (CANADA)</td>
<td>773</td>
<td>625</td>
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<tr>
<td>NB/PEI</td>
<td>300</td>
<td>575</td>
<td>250</td>
<td>200</td>
</tr>
<tr>
<td>WINDSOR</td>
<td>660</td>
<td>660</td>
<td>1155</td>
<td>820</td>
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</table>

PAR = 800  
Min = 300
Chapter Visits and Chapter Visit Highlights

Visits and Highlights

1. Visits:
   - 2021 Toronto Chapter – Annual Virtual Student Branch meeting

2. Highlights:
   - All student branch leaders of TO chapter were invited to the zoom meeting.
   - Amazing exchange between the students and Toronto SA Chair and co-Chair. The students really appreciate Kajen’s work. Many of them thanked him during the call.
Things you are the most proud of:

1. Very close to be on PAR (7 out of 9 chapters)
2. The collaborative environment and collective effort of all chapters of Region II in order to make the Virtual Career Fair happen was out of this world. OUTSTANDING !!

What about next year 2021-2022?

1. Focus on increasing number of student members. Goal of 15% increase from last year
2. Would like to see Chapters try for the K-12 Leadership Award. Goal to award 2 of these at next year’s CRC
# PAOE Summary for YEA

<table>
<thead>
<tr>
<th>Chapter code</th>
<th>Chapter name</th>
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<td>37</td>
<td>HAMILTON</td>
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<td>HALIFAX</td>
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<td>116</td>
<td>LONDON (CANADA)</td>
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<td>117</td>
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<td>141</td>
<td>WINDSOR</td>
<td>63</td>
<td>1200</td>
<td>975</td>
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</table>

Minimum 300; PAR 800
Chapter Visits and Chapter Visit Highlights

Chapter Highlights (did not get to attend many meetings 😕)

- **Halifax**
  - online trivia (4 teams of 4) winner got $200 in gift cards - companies used it as a time to do some team building

- **Montreal**
  - Virtual site visit of an energy efficient building downtown Montreal

- **Hamilton**
  - Virtual trivia night

- **Windsor**
  - held 2 stand alone yea events

- **Toronto**
  - 1 virtual event held with Ralph
  - 3 people attended yea leadership international
  - 5 yea members nominated for society awards
  - partnered with TRIEC (Toronto Region Immigration Employment Council) to help new immigrants in the HVAC industry integrate into ASHRAE

Chapter Special Recognition

1. Extremely proud of all the chairs for meeting and exceeding par in a year full of uncertainty and for keeping YEA events going.

2. Most chairs were very interactive and kept me in the loop.

3. These chapters were able to get more PAOE points this year than last.
   a) Toronto
   b) Hamilton
   c) London
   d) Halifax
New items implemented during the year:

1. Events where members from different chapters were invited to attend and participate.
2. Innovative ideas such as virtual trivial, virtual building tours and having combined events with SA and other committees.

Things you are the most proud of:

Individual award of Excellence
1. Nissun Feiner (Toronto Chapter)

YEA Developing Leader Award
1. Alekhya Kaianathbhatta (Toronto Chapter)
2. Badri Patel (Toronto Chapter)

HVAC Scholarship
1. Kajen Ethiveerasingham (Toronto Chapter)
2. Aaditya Patel (Ottawa Valley Chapter)
What about next year 2021-2022?

1. Focus on building a strong foundation of YEA members within the chapter
2. Promote society awards/scholarships within region 2
   a) I would like all chapter presidents to nominate a minimum of 1 person from your chapter to a society YEA award
3. Promote young professionals involvement in technical committees.
4. Attend a minimum of 1 event hosted by each chapter.
### PAOE Summary for Communications

<table>
<thead>
<tr>
<th>Chapter</th>
<th>PAOE 2018/19</th>
<th>PAOE 2019/20</th>
<th>PAOE 2020/21</th>
<th>change</th>
<th>change</th>
<th>change</th>
<th>rank</th>
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<td>+669</td>
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<td>+20</td>
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<tr>
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<td>745</td>
<td>850</td>
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<td>+105</td>
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<td>Quebec</td>
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<td>+63</td>
<td>+156</td>
<td>8/9</td>
</tr>
<tr>
<td>NB/PEI</td>
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<td>500</td>
<td>830</td>
<td>+230</td>
<td>+170</td>
<td>+330</td>
<td>9/9</td>
</tr>
</tbody>
</table>

Minimum = 300  PAR = 600
Chapter Visits and Highlights

2020/2021 No Visits – due to covid travel restrictions

Highlights

**ALL Chapters** increase PAOE Communication points !!!

Chapters using more social media

Forwarded items for Chapter to use on web sites and newsletters

from Society Marketing and Communication Committee

Communication Committee has guidance documents and webcasts on
topics.

---

Communications
Chapter Special Recognition

**Toronto Chapter**

Very good updates
to website, newsletter and meeting notices

Have a large group working on communications
<table>
<thead>
<tr>
<th>New items implemented during the year:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Engage with Communication Chairs (webmasters, newsletter editors)</td>
</tr>
<tr>
<td>2. Forward items from Society and Communication Committee</td>
</tr>
<tr>
<td>3. Promote use of Society for arranging access to GoToMeeting (and Chapters can use guideline by Communication Committee)</td>
</tr>
<tr>
<td>4. Promote Chapter Board Members use of Basecamp</td>
</tr>
<tr>
<td>5. Check Chapter web sites for compliance with Society guidelines (and get chapters to adjust)</td>
</tr>
<tr>
<td>6. End of year reports – asked for reports (received 7/9)</td>
</tr>
</tbody>
</table>

**REGION II - 2021 CRC**
**Tom Pollard - RVC CC**

<table>
<thead>
<tr>
<th>Things you are the most proud of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. PAOE points increase by <strong>ALL Chapters</strong>.</td>
</tr>
<tr>
<td>2. Chapters to continue using social media in addition to newsletters, emails and website.</td>
</tr>
<tr>
<td>3. Separate Communication Workshop – started in 2019/2020 and continued this year</td>
</tr>
<tr>
<td>2021 workshop: 8/9 chapters, 13 attendees + RVC</td>
</tr>
<tr>
<td>5 Comm Chairs, 4 News Editors, 6 Webmasters (with some holding more then 1 chair position)</td>
</tr>
<tr>
<td>2020 workshop: 7/9 chapters, 10 attendees + RVC</td>
</tr>
</tbody>
</table>

**REGION II - 2021 CRC**
**Tom Pollard - RVC CC**
What about next year 2020-2021?

1. Separate Communication Workshop in Aug 2021 - COMPLETED
2. Offer mid year Zoom or GoToMeetings with Chapter Chairs
3. Have chapters promote Presidential Theme
4. Continue to send out email reminders and ideas with items
   and to ensure PAOE are updated mid year (Oct, Jan, Mar, June)
   *** mid year and final reports will be needed for RVC PAOE
APPENDIX – G

2020 CRC REPORT

No expenses

as meeting was held as a virtual meeting
(due to COVID)
ASHRAE REGION II
ANNUAL FINANCIAL SUMMARY REPORT
Period: July 1st, 2020 - June 30th, 2021

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<thead>
<tr>
<th>DESCRIPTION</th>
<th>CREDIT</th>
<th>DEBIT</th>
<th>BALANCE</th>
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<td>Opening balance for this period</td>
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<td><strong>INCOMES:</strong></td>
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<tr>
<td>Chapter’s Opportunity Fund</td>
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<tr>
<td>2019 CRC Revenues</td>
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<tr>
<td>Regional Funds dues/Chapters Assessment Dues</td>
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<tr>
<td>Bank Refund</td>
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<tr>
<td>Expenses Reimbursement</td>
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<tr>
<td><strong>Total Incomes:</strong></td>
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<td>20 998,51</td>
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<td><strong>EXPENSES:</strong></td>
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<tr>
<td>Travel and expenses Society meeting</td>
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</tr>
<tr>
<td>CRC Seed Money 2019-2020</td>
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<td></td>
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<tr>
<td>Planning Meeting</td>
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<td>Bank Service Charges</td>
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<td></td>
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<tr>
<td>Yea + YLWWeek-End expenses reimbursement + LEADRS</td>
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<td>0,00</td>
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<tr>
<td>CRC Expenses</td>
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<td></td>
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</tr>
<tr>
<td>Other expenses (Career Fair)</td>
<td></td>
<td></td>
<td>7881,86</td>
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<tr>
<td><strong>Total Expenses:</strong></td>
<td></td>
<td></td>
<td>7 994,26</td>
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<td><strong>CLOSING BALANCE: June 30th 2021</strong></td>
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<td>52 240,28</td>
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<tr>
<td>Accounts Payable+ Cheques in circulation</td>
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<td><strong>TD Account Balance as of June 30/2021</strong></td>
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<tr>
<td><strong>Accounts Receivable</strong></td>
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<tr>
<td><strong>REGIONAL FUND invoices</strong></td>
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</tr>
</tbody>
</table>

ASHRAE REGION II REGIONAL FUND
Financial Institution: Caisse Populaire Cap-Rouge
Branch: 1111, Bvl Chaudière, Québec, Québec, G1Y-3T4
Account # 60932, Transit # 20426

BY: Yves Trudel,                                                                 Date: August 14th, 2021
Audit By: ____________________________                                  Date: __________
This report is to summarize the activities during the above financial period 2020/21 for the Region II Fund.

The chapter’s dues invoices were based on $0.00/per member and the previous year’s member count, and $ 0.00/ per member for the Regional Fund.

When we deduct the total expenses of $ 7994.26 on the revenue, the final closing balance is $ 52 240.28 at the end of June 2021.

At closing time, there was receivable of $ 4367.20 and a payable of $ 0.00.

There is also an amount of $ 802.49 in our TD account.

This report is forwarded to the next CRC host chapter in 2022 to be audited. After approval, the signed copy should be return to the Regional Treasury for records.

Prepared and submitted by: ___________________________ Date: 21/08/16

Yves Trudel,

Audited and approved by: ___________________________ Date: ________________

Please return a signed copy after the approval.
<table>
<thead>
<tr>
<th>DESCRIPTION</th>
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<th>BALANCE</th>
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<th>2020/2021</th>
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<tr>
<td>Chapter’s Opportunity Fund</td>
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<tr>
<td>Chapters Assessment Dues (1507 X $6)</td>
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<td>2020 CRC Surplus (virtual)</td>
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<td>Career fair</td>
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<td><strong>TOTAL REVENUES</strong></td>
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<td>Travel and Expenses Society Winter Meeting</td>
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<td>DRC/RMCR CRC Registration and lodging</td>
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<td>- $</td>
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<td>RMCR Hotel Re-Imbursement (Both Society Meetings)</td>
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<td>CRC Seed Money 2020-2021</td>
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<td>Other Travel Expenses (not covered by society or chapter)</td>
<td>$750</td>
<td></td>
<td>750.00 $</td>
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<tr>
<td>Misc. Expenses (bank charge, shipment, postage)</td>
<td>$500</td>
<td></td>
<td>500.00 $</td>
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<tr>
<td>Career Fair</td>
<td>$8,000</td>
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<td><strong>TOTAL EXPENSES</strong></td>
<td>$47,592</td>
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<td>- $</td>
<td>47,592.00</td>
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<tr>
<td><strong>NET BUDGET BALANCE</strong></td>
<td>($15,973)</td>
<td></td>
<td>- $</td>
<td>(15,973.00)</td>
<td></td>
</tr>
</tbody>
</table>
“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.”

**ASHRAE Policies**

**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.”

**Commercialism**

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.

[ashrae.org/commercialism](ashrae.org/commercialism)

**Sexual Harassment**

ASHRAE is committed to educating members to eliminate all instances of sexual harassment. The Society will deploy an online training program for volunteers to help educate and protect all members, and to sustain the professional environment members deserve and expect. This training will be required prior to serving on certain standing committees and/or in leadership positions.

[ashrae.org/about/governance/ashrae-discrimination-and-harassment-policy](ashrae.org/about/governance/ashrae-discrimination-and-harassment-policy)

View ASHRAE Governing Documents at [ashrae.org/about/governance](ashrae.org/about/governance)
Memoranda of Understanding (MOUs)

U.S. Department of Homeland Security Science and Technology Directorate
February 2021

National Air Filtration Association
March 2021

United Nations Environment Programme
April 2021

Federation of European Heating, Ventilation and Air Conditioning Associations
May 2021

International Ultraviolet Association
May 2021

Australian Institute of Refrigeration, Air Conditioning and Heating
June 2021

Learn more at ashrae.org/mous

Financial Impact of COVID-19

• Although the pandemic economy and loss of the 2021 AHR Expo income strained ASHRAE’s budget significantly, we are excited to get back on track financially, and looking forward to the 2022 AHR Expo in Las Vegas.

• Membership levels have been impacted but are down less than predicted at the start of SY 2020-21.

• ASHRAE secured two Payroll Protection Program loans to help offset some of the losses from operational income. We received forgiveness for the first loan and 2nd Loan.

• Staff expenses have been reduced, including the downsizing staff from 120 to 110 FTE.

Member Assistance

Due to the financial impact of the COVID-19 pandemic members have experienced, ASHRAE is not increasing member dues for the 2020-2021 Society Year.

MCO 3.15 Hardship Cases and Natural Disaster Relief Action. 3.15.1 Hardship Cases

Members Council is responsible for determining what constitutes a hardship case and providing guidance to staff for determination of special consideration with respect to dues and other member benefits. Issues not covered by this guidance shall be ruled on by the chair of Members Council in consultation with staff. For more information, contact membership@ashrae.org.
Diversity, Equity, & Inclusion (DEI) in ASHRAE

BOD Subcommittee created by the Board January 2021

Purpose of the BOD DEI Subcommittee:

To advise and engage the Board of Directors on:

- All matters relating to diversity, equity and inclusion - with a view to improving organizational awareness and performance in these areas amongst both staff and the Society membership
- The establishment of annual budgets for DEI program and ongoing initiatives
- The prioritization of inclusivity issues which have relevance to ASHRAE, together with plans for addressing these issues

Members of the BOD DEI Subcommittee
Andres Sepulveda (Chair); Adrienne Thomle (Vice Chair); Devin Abellon; Robin Bryant; Art Giesler; Eileen Jensen; Kishor Khankari; Tanisha Meyers-Lisle Dunstan Macauley; Richie Mittal; Farooq Mehboob (Consultant); Steven Sill

Download the Report
ashrae.org/DiversityEquityInclusion

The BOD DEI Subcommittee was recently approved as a new subcommittee to the Board.

Society Updates

Approved By Laws Change: Full Member

ASHRAE Membership voted to approve changing the title of ‘Member’ grade to ‘Full Member’ grade to differentiate between those who have provided necessary education and professional background information to the Society in order to qualify as a Full Member grade.

Request to Advance to Full Member Grade
Associate and Affiliate members may request to advance to Full Member grade by updating their membership bio in their ashrae.org profile and notifying membership@ashrae.org.

View the 20-21 Society Snapshot at ashrae.org/about/society-snapshot
TFBD Needs Your Input

- What outcome, finished products, or tools do you as ASHRAE members need from this group?
- What educational or training products do you need to assist your understanding of above? Timeframe?
- Are there different needs from above, for the Chapters/Regions?
- What metrics should be used in the carbon design process?

View ashrae.org/decarb and email Your Suggestions to decarb@ashrae.org

Goal of Vision 2030

To lead, serve, and provide all professionals in the buildings industry with the resources and knowledge to continually drive the innovative and strategic improvements needed during the revolution of the built environment.

Sheila Hayter, chair          Tom Phoenix, vice chair
Bruce Branscum               Tim McGinn
Robin Bryant                 Francis Mills
Jayson Bursill               Dan Nall
Michael Cooper               Lan Chi Nguyen Weekes
Dru Crawley                  Joe Norowatzky
Chris Gray                   Drew Perrin
William MacGowan             Chandra Sekhar
Manish Sharma                Jiri Skopek

To learn more, visit ashrae.org/decarb and ashrae.org/vision2030

Nominations Needed!

Committee Nominations
- Due mid-February. Council, RAC, TAC, Standards and Handbook nominations are due mid-September.
- Speak with your committee ExO if your current appointment ends in June and you wish to be nominated for another committee.

ashrae.org/committee-nominations

Honors & Awards Nominations
ASHRAE’s awards fall into one of six categories:
- Personal Honors
- Personal Awards for General & Specific Society Activities
- Paper Awards
- Society Awards to Groups or Chapters
- Chapter and Regional Awards

ashrae.org/honorsandawards

ASHRAE Technical Committees (TCs) at ashrae.org/communities
New Global Headquarters

ASHRAE has officially moved into a renovated 66,700 ft² building, originally built in 1978.

Over $10.3M in monetary and in-kind support was received from generous stakeholders to support this renovation project.

Grand opening plans are underway for Nov. 2021 and the event will be live streamed for ASHRAE members.

PV system installation to be completed soon to drive NZE performance.

See the video tour, photos, building technical features and our generous sponsors at ashrae.org/newhq

Epidemic Task Force (ETF)

Continues to provide COVID-19 related resources, making ASHRAE a trusted source of critical guidance during the pandemic.

ashrae.org/covid19 averages more than 40,000 views per month!

Clickable infograph for easy navigation, FAQ’s and free resources
Membership & Communities

**New Member Benefit Selection**
**Effective Society Year 2021-22**
Full dues paying Full and Associate Members joining or renewing into SY 21-22 may select from the following complimentary annual member benefits:

- ✔ ASHRAE eLearning Course
- ✔ ASHRAE Standard (PDF)
- ✔ ASHRAE Handbook (PDF)

Members can add a Handbook Online subscription or printed copy of the Handbook for an additional fee.

50,000+ Society Members including 5,200+ Student Members
15 Regions with 199 Chapters and 400+ Active Student Branches

Connect-A-Colleague
Quickly invite peers to join ASHRAE and participate in committees using a pre-written email invitation at ashrae.org/connect

Your Community ashrae.org/communities

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**ASHRAE Support**

**Research Promotion (RP)**
The Research Promotion campaign supports ASHRAE Research, Education, YEA programs, Scholarships, Endowed Funds, and the RP General Fund.

Thank You to all the donors and volunteers for your support during this challenging year.

**Society Year 2019-2020** total raised: $2,117,677
- ✔ $1,635,596 in contributions for Research
- ✔ $277,720 for ASHRAE Foundation
- ✔ $170,596 for Scholarships
- ✔ $33,765 for General Fund, YEA, and Education

**ASHRAE Foundation Grants & Scholarships**
The ASHRAE Foundation is an endowed trust that provides funding for professional development and research programs, supplies qualified engineering students with much needed scholarship assistance, and provides grants to help support the Society’s vital work.

**SY 2021-22**
- 33 Society Scholarships totaling $152,000
- 24 Chapter-Awarded Scholarships totaling $52,000

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Thank You to all the donors and volunteers for your support during this challenging year.

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Donate, Volunteer, Apply, and Learn More at ashrae.org/support
Government Affairs

ASHRAE Government Affairs program works to establish ASHRAE as a leading source of trusted expertise for policy-makers in the development of legislation and regulations affecting the public and HVAC&R industry.

- **Government Affairs Update** bi-weekly newsletter provides updates on government activities. Subscribe online or by emailing GovAffairs@ashrae.org.
- **Government Outreach Events** connecting ASHRAE volunteers with policy makers.
- Briefings & Testimony, Regulatory Meetings, Hearings, and Comments. Letters related to public policy priorities.

Get Involved + Get Resources ashrae.org/government-affairs

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Professional Development

**eLearning**
Convenient, on-demand courses for individuals or groups.

- 90+ online courses starting at $42 for members.
- **Group Rates Available**

  Updated Course Catalog: elearningcatalog.ashrae.org

**ASHRAE Learning Institute (ALI)**
Instructor-led courses in a variety of formats.

- **New Virtual HVAC Design Courses**
  Live, Instructor-led
  - Level I – Essentials
  - Level II – Applications

- **New 2021 Instructor-led Online Series ashrae.org/onlinecourses**

  Courses Available for ASHRAE Chapter, and In-Company Presentations.

**Certification**
Validate and promote your expertise via online examination and digital badging.

- Building Design
  - Energy Modeling (BEMP)
  - Healthcare Facility Design (HFDP)
  - High-Performance Building Design (HBDP)
  - HVAC Design (CHD)
- Building Performance
  - Commissioning (BCxP)
  - Energy Assessment (BEAP)
- Building Operations
  - Operations & Performance Maintenance (OPMP)

ashrae.org/professional-development
New Initiatives from President Mick Schwedler

ASHRAE Learning Pathways provide a way for professionals in HVAC&R to organize and plan their professional development through topical groupings of educational resources. The initial pathways, HVAC Design - Basics and Pathogen Mitigation, will be joined by new pathways in the coming months.

Member to Member Connection Videos with Mick Schwedler

New monthly video series, fireside chat style, featuring guests and a variety of topics relevant to ASHRAE members. Watch now at ashrae.org/president and ASHRAE social media channels.


Publications and Standards

Recently published items available at ashrae.org/bookstore

- **Standard 170-2021**
  Ventilation of Health Care Facilities (ANSI Approved; ASHE Co-sponsored)

- **Standard 55-2020**
  Thermal Environmental Conditions for Human Occupancy (ANSI Approved)

- **Standard 90.1 User’s Manual**
  Based on ANSI/ASHRAE/IES Standard 90.1-2019

- **Duct Systems Design Guide**

- **Standard 62.1 User’s Manual**
  Based on ANSI/ASHRAE Standard 62.1-2019, Ventilation for Acceptable Indoor Air Quality

- **ASHRAE Design Guide for Natural Ventilation**
Resources

<table>
<thead>
<tr>
<th>Resources</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASHRAE Technology Portal</td>
<td>Provides a one-stop location for ASHRAE papers, articles, reports, Handbook PDFs, and seminar recordings.</td>
</tr>
<tr>
<td>Online Standards Database</td>
<td>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.</td>
</tr>
<tr>
<td>Zero Energy Advanced Energy Design Guides (AEDG)</td>
<td>Are available for free download: offices and K-12 schools. <strong>Multifamily AEDG available early 2021.</strong></td>
</tr>
<tr>
<td>Science and Technology for the Built Environment</td>
<td>Provides free online access to archival research publication offering comprehensive reporting of original research.</td>
</tr>
<tr>
<td>ASHRAE Technical Apps</td>
<td>Deliver mobile design, calculation, and analysis tools to the palm of your hand.</td>
</tr>
<tr>
<td>Free Technical Resources</td>
<td>Offer downloads of a variety of well-known resources to everyone.</td>
</tr>
<tr>
<td>ASHRAE 365</td>
<td>Updates on all things ASHRAE, for free and year-round.</td>
</tr>
</tbody>
</table>

Find these resources and many more at [ashrae.org](http://ashrae.org)

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ASHRAE Topical Conferences

<table>
<thead>
<tr>
<th>Date</th>
<th>Conference</th>
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</thead>
<tbody>
<tr>
<td>SEP 2021</td>
<td>AHR Mexico</td>
</tr>
<tr>
<td>NOV 2021</td>
<td>2021 ASHRAE Building Performance Analysis Conference</td>
</tr>
<tr>
<td>MAY 2022</td>
<td>IAQ 2020: Indoor Environmental Quality Performance Approaches</td>
</tr>
<tr>
<td>JUN 2022</td>
<td>Ventilation 2022: 13th International Industrial Ventilation Conference For Contaminant Control</td>
</tr>
<tr>
<td>OCT 2022</td>
<td>The Fifth International Conference on Efficient Building Design</td>
</tr>
</tbody>
</table>

[ashrae.org/conferences](http://ashrae.org/conferences)
2022 ASHRAE Winter Conference & AHR Expo

Registration opens September 2021
ashrae.org/2022Winter

We’re looking forward to reconvening in-person!

2022 ASHRAE Winter Conference
January 29–February 2, 2022 | Las Vegas, Nevada

AHR Expo
Jan. 31–Feb. 2, 2022 | Las Vegas Convention Center

Questions or Comments?
For the past two years, BOD committees have been investigating opportunities to streamline our Society. There are many things that we do well, but in the ever-changing world of business, we need to be more strategic about our volunteers’ time and the resources our members have entrusted to us, as we work towards a healthy and sustainable built environment for all.

**Statement of the Issues:**

- Board of Directors spends a lot of time on management issues, so no one is really making strategic decisions.
- Many ASHRAE publications are taking too long to come to market. We aren’t considered a driving force in the industry.
- Decisions take too long—goes from committee to council to BOD and sometimes back to another council/ committee.
Guiding Principles of Streamlining Process:

- Make the Board of Directors more strategic
- Push decision making down into organization
- Reduce waste from Society operations while still delivering value to Members & Society
- Speed up decision making by removing silos
- Be market focused
Ideas for Regions/ Regional Representation:

• Option 1:
  
  • Keep the same number of Regions (15). Since the operational decisions will be made at the Council level, the DRC would sit on Members Council as a “Regional Director.” The RMCR would actively help run the region as “Assistant Regional Director.”
  
  • To ensure Grassroots representation on the Board, each Region will nominate a Candidate for “Society Director” through the caucus, and the Nominating Committee will recommend six nominees for service on the Board. These would be individuals with strategic thinking skills.

• Option 2:
  
  • Consider combining two or three regions together to create a super-region, similar to RAL structure. Each region becomes a sub-region and the super-region creates a larger infrastructure to do more business at the region level, instead of going all the way to the society level. This would be done to provide representation for all regions at the BOD.

• Option 3: What do you think?

Formation of Super-Regions - What’s in it for the Members:

• Larger Regions allow for more autonomy
• This would also create larger Regional committees to focus on regional issues, leading to increased efficiencies and faster decision making.
• Make decisions at a Regional level, not all the way up to Society level
• More leadership opportunities
• Publications/ products with a more Regional focus
• Employers might appreciate larger Regional focus for purposes of sales and/or business development
Conversation Starters: Questions to Chapter Presidents

- What would help you serve your Chapter members better?
- What should we stop requesting or doing?
- Is what we are doing now the most effective way to do things? Meetings/ programs, trainings, networking?

Conversation Starters: Questions for RMCRs

- How do you share responsibilities for running the Region with your DRC- what do you like? What do you not like?
- What do you think of the idea of the RMCR being the Assistant DRC?
Lastly ...

YOUR VOICE IS IMPORTANT

THANK YOU
Personal Growth.  
Global Impact.  
*Feed the Roots.*

Mick Schwedler, P.E., LEED AP  
2021-2022 ASHRAE Society President
1894: Root One - Personal Growth

“...members will have the opportunity of forming acquaintances, exchanging theories and experiences and through these associations promulgate a feeling of perfect freedom in consulting one another when in doubt on a subject...”

(From Heating and Ventilation, October 15 and November 15, 1894)

Charter Member Harrie Crane of Cincinnati, Ohio

Member-to-Member Connections
1906: Root Two – Chapters (Grassroots)

- Forming acquaintances
- Sharing experiences and theories
- Consulting one another

1894 1906

1922 – 1956: Growth in North America

1922
First chapter outside the U.S. in Toronto

1956
72 ASHRAE Chapters

1894 1906 1922 1956
1984: ASHRAE Global Growth Commences

Who Fed Your Roots?

Your list
2-3 first names
Who Fed My Roots?

1981: Neil Patterson

1981: Neil Patterson

Charlie Culp

Mike Brambley

Connect a Colleague today
ashrae.org/connect

1917: Root Three - Technology

ASHRAE Research Bureau

F. Paul Anderson

Margaret Ingels

Research subcommittees led to Technical Committees
- Handbooks
- Education
- Standards

1894 1906 1917 1922 1956 1984
Personal Growth + United Efforts

Global Impact

...to serve humanity

Global Impact: Education and Training

technologyportal.ashrae.org
Global Impact: ASHRAE Member Funded Research

Over $78,000,000 donated since 1959

**Society Year 2019-2020** total raised: $2,117,677
- $1,635,596 in contributions for Research
- $277,720 for ASHRAE Foundation
- $170,596 for Scholarships
- $33,765 for General Fund, YEA, and Education

ASHRAE Cincinnati Chapter RP

Global Impact: Young Engineers in ASHRAE (YEA)

- Members 35 and younger
- ~20% of membership
- Now leading us into the future
Global Impact: Epidemic Task Force

- Mitigate the spread of disease
- Information to reopen buildings
- Educate building owners and operators
  
  [Link: ashrae.org/covid19]

Jen’s ASHRAE Car Magnet

2020-2021: Embrace Technology to Become Fully Digital

**Thank you** to 2020-21 ASHRAE President Chuck Gulledge for his guidance and vision
High Tech / High Touch

Alvin Toffler, author of “Future Shock.”

On to Extraordinary!
Roots: Technology and Personal Growth

Technical Committees

Research

Distinguished Lecturers

Root Two: Chapters and Regions (Grassroots)

Presidential Award of Excellence (PAOE)
- Streamlined
- Member-to-Member Connections
  IntraRegion and intragenerational events
Root Two: Chapters and Region (grassroots)

Together we make ASHRAE Extraordinary

Root One: Personal Growth

NOTHING happens without you, our volunteers
Root One: Personal Growth

Learning Pathways

Pathway 1: HVAC Design.
- Young professional
- Those new to the industry
- Improve knowledge and ability to serve customers

Pathway 2: Pathogen Mitigation
- Prepares for future health issues

Root Two: Grassroots Member-to-Member Connections

ASHRAE Social Media
- @ASHRAE_Society
- @ashraepresident

Mick and social media

Member-to-Member Connections

Franklin D. Roosevelt
32nd President of the United States: 1933 - 1945
Fireside Chat.
Whose Roots will you feed in the next three months?

Your first list

2-3 first names who fed your roots

Your list to ‘feed the roots’

Share Your “Feed the Roots” Moments

2019: Regions IX and X Joint Chapters Regional Conference

Heather and David
Region X
ASHRAE’s growth is, and always has been, a direct result of our members’ personal growth. Today we’re going on a journey and we’ll see that since its inception, our Society has focused on that individual growth.

We’ll explore our rich history, not for history’s sake, but to appreciate how our founders established three sets of roots to help us grow – and how these roots led to our society’s global growth and impact. Then we’ll come full circle to understand the importance for each of us to “Feed the Roots” today, and for future generations.

ASHRAE’s heritage, our roots, begin in 1894 when 75 engineers meet in New York City and found our predecessor, the American Society of Heating and Ventilating Engineers, or ASHVE. Charter Member Harrie Crane put into words reasons for founding this Society.

We wanted to form acquaintances – and as many of us have found, lifelong professional and personal friendships.

...to exchange theories and experiences...

Whether it’s been in our workplace, a chapter meeting or arguing about new designs at a happy hour, we’ve all done this – and often times, vigorously.

And, we get to consult and network as we learn from one another.

These establish our member-to-member connections.

From 1894 to today, this root of personal growth remains a tenet of our Society.

We now fast forward twelve years to our convention in Chicago.

On July 19, 1906, Illinois Members request formation of a Chapter – sanctioning the “opportunity to congregate.” This directly follows Mr. Crane’s vision and enhances individual Members’ growth.
Chartered in 1906 this second root – known as our grassroots is an ASHRAE hallmark. These “grassroots” build upon and support individual member growth. Special thanks to our Illinois members for your foresight.

The opening video showed our first Chapter outside of the U.S. chartered in 1922, in Ontario, Canada. And, by 1956 we had grown significantly and organized into regions, but we were still exclusively North American.

In fact, it wasn’t until 90 years after our founding, when our global journey began with chapters in Singapore and Hong Kong. Then India, Africa, Mexico, Europe, and South America. Today, we are 199 Chapters with the most recent being Peru, Libya and Alexandria, Egypt. So, our second set of roots – our grassroots – have spread, strengthened, and led to amazing growth throughout the world.

Now, let’s pause and ask a question: How did you get here today and become part of this expansive root system? Who helped you grow, encouraged you, that is, who “fed your roots”?

Please take out a paper and pen, your phone, or some other way to make a list. Now take 10 seconds to physically list the first names of 2-3 people who invested in you and helped you grow. That is – fed your roots.

Here’s a collage of people who fed the roots of President-Elect Advisory committee members...those involved in developing this year’s Society theme. For many of us, it’s probably hard to narrow down to 2-3 names.

It was for Mick.

So, many have guided and helped mold Mick, but here are the first.

In 1981 he received a job offer from a group led by Neil Patterson. At that time, he didn’t realize that Neil would become ASHRAE President about a decade later. And, we didn’t have today’s simple and polite way to connect a colleague to ASHRAE. Neil could be pretty firm and had his own “connect a colleague” method. Mick recalled Neil’s words were, “…you will be involved in ASHRAE,” and then he provided the support to do so.

That support resulted in Mick attending Technical Committee meetings. The first two TCs weren’t good fits. Then, one Monday evening, he walked into TC 1.5, Computer Applications.

The leaders, including Charlie and Mike, invited everyone to “the big table,” – to be involved. They encouraged and mentored Mick as he foundered in his first subcommittee chair assignment, and even convinced Mick, as a new, naive member, to be TC secretary for not two, but FOUR years as they restructured the TC.

All have been amazingly supportive mentors to Mick. Neil has passed away, but today, Mick gives a big thank you to Mike Brambley and Charlie Culp for feeding his roots.
Now, on to our third root, technology, which develops in 1917 with the founding of our Research Bureau. Led by E. Paul Anderson and one of our first female members, Margaret Ingels, here we are – over 100 years later still independently funding our research.

And, just two years later subcommittees were formed to oversee the research.

These were precursors of our present Technical Committees – now responsible not only for research, but also our Handbooks, conference sessions, and identification of Standards. These are our deep technical roots. These three strong and resilient roots have spread globally to our membership of more than 53,000.

Each of us here today has grown immeasurably due to being part of ASHRAE. As volunteers we’ve gathered and served – in our grassroots Chapters and Regions and through our technical contributions.

Collectively, our personal growth and united efforts have produced global impacts ... to serve humanity...the first three words of our mission.

Let’s look at just a few of these global impacts.

First, our technical, education and training materials are well-known and respected worldwide...and available to everyone through our technology portal. They help ensure the built environment is efficient, resilient, reliable, and addresses our world’s ever-changing needs.

Next, in the last 104 years you and members like you have funded research, and since 1959 donated more than 78 million dollars. This leads to quality, independent research. Thank you.

As a board member, Mick has had the privilege to represent ASHRAE at other organizations’ conferences. Many of those associations absolutely covet Young Engineers in ASHRAE, known as YEA – who are now about 20% of our membership. YEA was a vision of many, and the young women and men who began in YEA are now leading us into the future and providing strong connections to young professionals and students entering our industry. And, our most recent global impact is our Epidemic Task Force.

Through volunteer efforts of more than 130 experts, ASHRAE is a beacon, providing needed information to mitigate the spread of disease, reopen buildings, and deliver education for building owners and operators. All to improve Indoor Environmental Quality – and keep people safe. The impact has been global and touched each of us locally.

This hit home personally for Mick.

Mick’s wife, Jen has an ASHRAE magnet on her van, and was speaking with her college roommate who works for the La Crosse County Health Department. Jen’s college roommate said, “ASHRAE, we use their information.”
THAT is impact.

In today’s terms, it’s time for a shout-out. We would not have made it through the past 16 months without the vision of President Gulledge to embrace technology. Who would have thought we could do our “work,” serve chapter members and carry on our mission-- without leaving our homes for months.

Chuck, thank you for leading us through these tough times. But we all know that being fully digital has been hard.

This phenomenon was explained by author Alvin Toffler in his 1970’s book “Future Shock.” As our world uses higher technology, we need and crave personal connections. We all really understand his point today. To explain this, Toffler, coined the term “High-Tech / High Touch.”

How do we use this to move forward?

Many times, Mick has heard people say, “I can’t wait until things get back to normal.”

Please take no offense, but Mick doesn’t think we have any desire for “normal.” What we really want is the ‘extraordinary” we have. We will use our best virtual and personal practices, combined with historical roots, to move on to extraordinary.

First, our deep technical roots will continue to be fed through education, training, research, and other materials produced by our volunteer experts – delivered both virtually and in person. The Distinguished Lecturers who present to your chapters are often described as ASHRAE’s most successful program. They will continue to be available virtually (high tech) and when it’s safe for the chapters and lecturers, ASHRAE will get back to face-to-face presentations to provide the high touch.

Next, within our grassroots chapters, the Presidential Award of Excellence has been streamlined and encourages intraRegion and intragenerational events and communications. Utilizing technology, we can connect, member-to-member, with other cultures and experiences.

Also, our Chapters Regional Conferences are using hybrid configurations that combine virtual training and pre-meetings with the conferences. Now people who can’t travel can still participate. But, we all know there is no replacement for all of us being together. We began with our 1906 convention make up – where everyone looked like Mick but some had hair… and ASHRAE has changed.

The member-to-member connections we have today is astounding and vibrant. Vintage. Young, Women. Men…global cultures. So, in addition to our present membership, we’ll continue to broaden inclusion through support of Young Engineers in ASHRAE, Women in ASHRAE and students.
Also, the Board’s new Diversity, Equity and Inclusion subcommittee will recommend ways to reach out to those presently under-represented within ASHRAE. Because it’s all of us, together, that make ASHRAE extraordinary. And the fact is, nothing happens without each of you – our volunteers.

No matter how you choose to volunteer, you are our lifeblood and provide those resilient, deep and widespread roots that weathered the storm and brought ASHRAE through a global pandemic. You are extraordinary.

Moving forward, three new ways to feed our historical roots have been developed. The first provides personal growth.

We’ve developed Learning Pathways to help each of us grow personally. The first pathway is HVAC Design. It’s a curriculum for young professionals, those new to the industry, and others who simply want to improve their knowledge and ability to serve customers.

The second, Pathogen Mitigation, is of very high interest today and also prepares for future health issues. Additional Learning Pathways will be based on what you want and need! Our second initiative uses technology combined with our grassroots to connect with one another and has two parts.

ASHRAE is already active on social media platforms – but not all of us participate. Shown here is a picture of Mick being dragged kicking and screaming into his wedding ceremony with Jen. Yes, it’s staged. Mick has felt the same way about social media. But, social media is a different and more personal way for each of us to connect with our next generation of members.

So, Prez Mick is enthusiastically on ASHRAE Society’s Instagram page…and hopes you’ll join him.

Second, patterned after U.S. President Franklin Delano Roosevelt’s fireside chats, ASHRAE will deliver a series of member-to-member, informal video shorts addressing various topics. We look forward to seeing you each month.

Now, if you take one thing away from today, let it be our final initiative – which includes a request to you. Earlier, you made a list of people who fed your roots. Now, it’s time for each of us to determine whose roots WE will feed.

Please take out that list maker again and create your list of 2-3 people whose roots you will feed in the next three months. It can be friends, professional, ASHRAE or at your workplace – someone who you already admire, and you want to help them grow.

Now that you’ve made the list…reach out.

Each time you do this, you literally bring us back to our roots of Harrie Crane’s vision for ASHVE 127 years ago…and ASHRAE as we move on our extraordinary and impactful future. And whether we’ve helped someone else grow or they’ve helped us, let’s share our “feed the roots moments” – perhaps on social media!
Here’s how Mick’s roots were fed this past year. It reminded him to feed the personal roots of those closest to him ...who sacrifice so much so we can volunteer and serve others. He knew of Heather through her contributions as a Young Engineer in ASHRAE but hadn’t volunteered with her until attending the combined Region 9 and 10 Chapters Regional Conference in August of 2019.

The night before the CRC, Mick met her husband, David and learned that they were expecting their first child.

Throughout the CRC Heather tirelessly led a very small team – literally 3 to 4 people -- who did all the behind the scenes work to deliver an amazing CRC. What a dynamic and extraordinary volunteer.

Little did Heather and Mick realize the next time we would see each other would be a year later – during the 2020 Region 10, virtual CRC.

And 9-month old Cohen would be with her. Our global impacts serve Cohen and his generation too. We’ve come full circle. Guided by our mission we get to serve humanity – every day...and that is an honor and privilege.

We each are involved in ASHRAE for different reasons and volunteer in our chosen ways. We do it because we grow – professionally and personally – and help others do the same.

We do it because collectively we have tremendous global impact.

We do it because that global impact serves the world’s – as well as our personal – future generations. And all this occurs because we our true to our deep and widespread technical roots, grassroots, and personal roots.

Ladies, gentlemen, *Feed the Roots.*
ASHRAE Annual Meeting Update

Doug Cochrane, P.Eng., Regional Representative Region II
Aug 19, 2021
CRC

Annual meeting 970 people down substantially from Chicago, Austin

3RD Virtual Conference in a row. Virtual fatigue? Price?

Some new features, roundtables, sponsor rooms,
Non tech interactive. Continue to evolve
- Toronto & Montreal able to participate in panel discussion on what chapters did to promote ETF to government agencies
  - 8 Public Policy Information Briefs (PPIB'S) approved on climate change, env tobacco smoke, refrigerants, iaq, benchmarking, stem, consensus standards, resiliency
  - new term of functional groups (FG's)

Virtual Career fair for all of society

1 new chapter Alexandria in Turkey
17 new student chapters (5 in Region XII, 12 in RAL)

Society Rules working on simplified Parliamentary procedures

Certification and Training & Education task force developing ideas for products and services from info from ETF
NEW TG to address reactive air & surface treatment air cleaning technologies such as photocatalytic oxidation (PCO), ionization, and hydrogen peroxide

OPMP certification being sunsetted in 2024

Pub Ed reorg down to 2 subcommittees from 4. now have dashboards

Finance transformation adhoc yielded a payback tool, and member benefit tool which are to be piloted
Strategic Plan extended 1 year due to covid

Nominating process committee to explore best options

New ASHRAE guideline on Measurement of Whole Building Performance for Occupied Buildings

Las Vegas winter meeting to be hybrid

Subcommittee meetings being encouraged to be virtual

Working on protocol details for meeting
Awards

RBC award for residential building issues

Energy genius award for Building EQ

Government Affairs – Region II

ASHRAE Government Affairs program works to establish ASHRAE as a leading source of trusted expertise for policy-makers in the development of legislation and regulations affecting the public and HVAC&R industry.

Joint GOD with HRAI to Queens Park (ON) Feb 2
Joint GOD with HRAI to Ottawa (Federal) incl Region XI (Western Canada) May 4
Meeting with NRCAN Acting Director General of Energy Efficiency Aug 19 2pm
With GAC VC, RVC's both regions and former board members from Canada

HRAI connecting with Federal Candidates from all parties we could join with

Federal election Sep 20/21
Region II Award Winners

Williams J Collins – Nathan Cook, RP Chair, Windsor

Technical Paper Award – Michael Roth, Klimatt, Guelph Hamilton Chapter
Use of Reanalysis in Ashrae Applications RP-1745

Region II Award Winners

Willis H Carrier – Justin Berquist, NRC Ottawa
Feasibility of low cost CO2 sensors for DCV Part 1 lab testing
32 years and under outstanding paper

Dave Palty Award – Robert Hoadley, NB/PEI Chapter RVC
Inaugural award for GAC excellence
Region II Standing Committee Members

CTTC– Daniel Robert Ist VC, Dan Redmond RVC
MP- Genievive Lussier Ist VC, John Molnar RVC
SA- Mai Anh Do VC, Elizabeth Primeau RVC
GAC – Darryl Boyce VC, Mike Genin RVC
History – Niss Feiner VC, Tom Pollard
Certification – Kurt Monteiro Chair, Badri Patel
Honors & Awards- Nicolas Lemire Chair, Isabelle Lavoie VC

Region II Standing Committee Members

YEA – Ron Gagnon BOD ExO, Alekhya Kaianathbhatta RVC
Comm- Daniel Bourque- Halifax
RAC – Roland Charneaux
Pubs- Robert Hoadley
Handbook – 2024 Systems & Equipment Nicolas Lemire
Finance – Doug Cochrane
RP – Ibrahim Semhat RVC
Region II Standing Committee Members

RBC – Mark Lawrence
Building EQ – Business Development SC Doug Cochrane
Society Rules – Ron Gagnon
CEC – Alekyha Kaianathbhatta
Nominating – Nicolas Lemire Member, Isabelle Lavoie Alternate, David Underwood BOD elected member

Region II Standing Committee Member

Members Council – Ron Gagnon Dir, Dan Castellan RMCR
Pub Ed Council – Kurt Monteiro NVM
Decarbonization Task Force Trg & Ed SC – Doug Cochrane
Society Transformation ADHOC – David Underwood, Hugh Crowther
Task Force Int’l Stds – Hugh Crowther
Darryl Boyce- HQ Bldg adhoc Chair, APPA rep, AIA Liason Chair
Region II Scholarship Winners

Willis Carrier – Erin MacKinnon, Mech Eng, Dalhousie $10k
Lynn Bellenger – Yuna Oh, Mech Eng, U of Waterloo $5k
Duane Hanson – Hayley Knowles, Mech Eng, Dalhousie $5k

Eng Technology – Matthew Big, Mech Eng Tech Bldg Sciences, Seneca College $5k

Ottawa Valley Chapter – Viktor Wozniak, Aerospace Eng, Carleton U $3k
Region II Upcoming Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>AUG 2021</td>
<td><strong>2021 ASHRAE Region II CRC VIRTUAL</strong></td>
<td>Aug 19–20, 2021</td>
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<tr>
<td>JAN 2022</td>
<td>2022 ASHRAE Winter Meeting</td>
<td>Jan 29- Feb 2, 2022</td>
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<tr>
<td>JUN 2022</td>
<td><strong>2022 ASHRAE International Ventilation Conference (rescheduled from 2021)</strong></td>
<td>June 22-24, 2022</td>
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<td></td>
<td><strong>2022 ASHRAE Annual Meeting</strong></td>
<td>June 25-29, 2022</td>
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QUESTIONS?

ashrae.org/conferences
ASHRAE HONORS & AWARDS

Do you know an ASHRAE member who...

- has performed outstanding service in their community, and in doing so, have helped to improve the public image of the engineer?

  YES
  - Nominate them for Distinguished Public Service Award

  NO
  - Has they received the Distinguished Service Award?
    - NO
      - Nominate them for Exceptional Service Award
    - YES
      - They have the exceptional service award, too!

- has served ASHRAE and given freely of their time and talent on behalf of the Society?

  YES
  - Nominate to ASHRAE Fellow

  NO
  - Are they an ASHRAE Fellow?
    - NO
      - Nominate them for Louise & Bill Holladay Distinguished Fellow Award
    - YES
      - Has performed outstanding service
      - Is an ASHRAE Fellow
      - Is a Distinguished Service Award winner
      - Is a Past Society President

- has made notable contributions to the industry, and has been an ASHRAE Member in good standing for at least 10 years?

  YES
  - Nominate them for ASHRAE Fellow

  NO
  - Nominate them for Distinguished 50 Year Member Award

- has been an ASHRAE member for 50 years, and meets one of the below criteria?

  YES
  - Nominate them for F. Paul Anderson Award

  NO
  - Are they an ASHRAE Member?
    - NO
      - Nominate them for Pioneers of the Industry
    - YES
      - Do you know of a giant in the HVAC&R Industry who you want to memorialize?

Learn more and nominate someone today at ashrae.org/honorsandawards