



**REGION 2
CRC 2019 MINUTES**

**HALIFAX, NOVA SCOTIA
CANADA**

held at

**HOTEL HALIFAX
1990 Barrington St.
Halifax, Nova Scotia, Canada**

Friday August 23, 2019 to Sunday August 25, 2019

Host: Halifax Chapter #100

DRAFT Version #1
Last Update – Sept 25/2019

ORIENTATION SESSION – Friday Aug 23, 2019 8:30am

The following attended the Orientation Session

<u>CHAPTER</u>	<u>DELEGATE</u>	<u>ALTERNATE</u>
#100 Halifax	Jason Leadbetter	Marc Rossignol
#117 NB/PEI	Ryan Gosson	Kevin Leger
#013 La Ville de Quebec	Laurence Boulet	Maxime Boivin
#014 Montreal	Francis Lacharite	Audrey Dupuis
#015 Ottawa Valley	Aaron Dobson	Adam Moons
#016 Toronto	Antonio Figueiredo	Brendan McDermott
#037 Hamilton	Iain Hill	Robyn Ellis
#116 London Canada	James Scudamore	Andrew Crowley
#141 Windsor	James Smith	Paul Greff

<u>NAME</u>	<u>CHAPTER or SOCIETY</u>	<u>POSITION</u>
Farooq Mehboob	Society	Society VP
Alice Yates	Society Staff	Society Director of Govt Affairs
Jeff Clarke	Montreal	DRC
Doug Cochrane	Toronto	ARC
Tom Pollard	London Canada	CRC Secretary / RVC Historian
Nicolas Lemire	Montreal	Nominating Chair
Isabelle Lavoie	Montreal	Nomination Alternate
Daniel Redmond	Ottawa	RVC CTTC
Ronald Gagnon	Montreal	RMCR
Genevieve Lussier	Montreal	RVC MP
Mark Lawrence	Halifax	RVC RP & CRC CoChair
Alexis Gagnon	Quebec	RVC YEA
Mai Anh Dao	Montreal	RVC SA
Rob Hoadley	NB/PEI	RVC GAC
Dan Boudreau	NB/PEI	Chapter CTTC Chair
Bruno Lefebvre	Montreal	Chapter GAC Chair
Reaz Usmanali	Hamilton	Chapter MP Chair
Stan Holka	Hamilton	Chapter Secretary
Evans Mutua	Ottawa	Chapter Comm Chair
Trevor Thomson	Ottawa	Chapter CTTC
Eric Pelletier	Windsor	Chapter Secretary
Vince Laframboise	Windsor	Chapter Newsletter

Jeff Clarke, DRC Region 2, welcomed everyone to Halifax and the 61th ASHRAE Region 2 Orientation Session at 8:37am on Fri Aug 23, 2019.

Jeff then read the **ASHRAE Code Of Ethics**

In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests.

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

Jeff indicated this was his 2nd CRC and welcomed everyone in attendance.

Jeff then asked those in attendance to introduce themselves (name, chapter, role) and also tell of a summer highlight.

Jeff welcomed VIP guests Farooq Mehboob Society, Society VP and Alice Yates, Society Director of Govt Affairs. Farooq indicated his travel was about 24 hours to get to Halifax. Jeff indicated that Chuck Gullede, Society President Elect will be arriving late due to a delayed flight.

Jeff then asked to appoint Tom Pollard as the **CRC Secretary**

Motion Moved By: #037 Hamilton-Iain Hill Seconded: #141 Windsor-James Smith

Vote: 9/0/0 Passed

Jeff then reviewed the **CRC Agenda** which was previously distributed and posted to Basecamp (similar to previous CRC meetings). Jeff then asked Aaron Smith CRC CoChair to review the day's events and locations.

{refer to Appendix-A1 – CRC 2019 Agenda and Appendix-A2 – CRC 2019 Companion and Family Agenda}

Tom Pollard CRC Secretary asked that everyone to ensure that they sign-in on one of the two sheets that are being passed around including the guests at the back of the meeting room.

Jeff called on Doug Cochrane, ARC regarding the **Society Highlights**

{refer to Appendix-K – Society KansasCity 2019 Update}

Doug presented some Society highlights

- Society meeting attendance was less then expected
- Chapter Opportunity Fund is cancelled for the year
- Darryl Boyce from Region 2 (Ottawa) if ASHRAE President 2019-2020 with theme: Building for People and Performance
- Reviewed positions and dates for Board, Standing & Council Committees
- Reviewed Region 2 Member Recognitions:
 - Distinguished Service Award
 - John Molnar, Hamilton Chapter
 - John Wright, Hamilton Chapter
 - William Collins RP Award
 - Daniel Redmond , Ottawa Valley Chapter
 - 50 Year Distinguished Member Award
 - Paul Conrad, Halifax Chapter
 - ASHRAE Fellow
 - Nicolas Lemire, Montreal Chapter
 - ASHRAE Technology Awards
 - Existing Comm Buildings 2nd Place – Complex de Gaspé
 - Daniel Robert & Stanley Katz , Montreal Chapter
 - Existing Public Assembly 1st Place – Montreal Olympic Park
 - Domenic Desjardins, Maurice Landry, Andre-Benoit Allard, Montreal Chapter
 - New Health Care Facilities Honorable Mention - Ullivic Health Ctr
 - Daniel Robert & Stanley Katz , Montreal Chapter
 - New Public Assembly Honorable Mention - Residences Funeraires Goyer

Martin Roy, Montreal Chapter

- Certification program for HVAC Designer had 1st written exams in Kansas City
- Government Outreach Days: 3rd National One in Ottawa May 28-29, 2019; 1st Provincial One in Ontario February 27, 2019
- ASHRAE Launched All New Refrigeration Page: ashrae.org/refrigeration
- Building EQ – French translation completed June 2019 (several from Region 2 assisted)
- PAOE has added some items for Building EQ (chapter operations and student activities)
- ASHRAE Research: A2L Low GWP Refrigerant

Jeff called on Isabelle Lavoie, Nomination Alternate to discuss the **Society Awards**. Isabelle ask to Nicolas Lemire, Nominating Chair to review the Honors and Awards Flow Chart that had been developed.

{refer to Appendix-L - Honors and Awards FlowChart}

The Flow Chart has a summary of what is required to obtain awards. Each Standing Committee in Society can have awards and have application forms (forms need to be completed and points sheets similar to Chapter Service Awards). 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.

Jeff Clarke then indicated that immediately following the Orientation Session that the Delegates and Alternates go into **Caucus Session**. Names need to be put forward for Regional and Society positions:

This year for: 2020 = RP, MP, YEA
2021 = DRC, RMCR, GA
2022 = CTT, SA

Delegates need to ensure that people are willing to perform the duties of the position. Nominations are confidential and discussions in the nominating room are to remain in the nominating room.

Jeff then called on Ronald Gagnon, RMCR to discuss the **Ethics Enforcement Procedure Task Group**. A pool of members has been created to look at disciplinary issues that are brought forward. It is required to have 3 people from Region 2 that could be called upon. Members would not review a member from their region. Last year had: Guy Perreault, Isabelle Lavoie, Nicolas Lemire.

Ron then presented a motion: New members names for the Ethics Enforcement Task Group be discussed during the Caucus and Nominating Sessions

Motion Moved By: ##014 Montreal - Francis Lacharite Seconded: #037 Hamilton -Iain Hill
Vote: 9/0/0 Passed

Jeff reminded that **Travel Vouchers** are required to get reimbursed. Paper forms are available at the registration table or use the Society web site.

Chapters were reminded that Chapter Reports and Statistics Tables are required and to be posted to BaseCamp.

Jeff then indicated **Region 2 Photo** for Delegates and Alternates would take place in the main meeting room right after meeting adjournment.

Jeff remaindered the Regional Team would meet in the Empress Room while the Delegates and Alternates have Caucus in the main meeting room. Some tables have been setup for Historical Displays near the Empress Room

**THE ORIENTATION SESSION THEN ADJOURNED AT 9:26AM
TO ALLOW FOR THE FIRST CAUCUS SESSION
AND REGION 2 PLANNING MEETING**

CAUCUS SESSION – Friday Aug 23, 2019 9:30am

Attended by Delegate, Alternates, and Region 2 Nominating Member + Nomination Alternate

REGION 2 PLANNING MEETING – Friday Aug 23, 2019 9:30am

Attended by DRC, ARC, RVC's, Society

Informal discussions and presentations covered the following items:

Review of chapter visits – 18 allocated to Region 2

Jeff Clarke discussed that 8 used for chapter incoming presidents to attend the Spring Planning Meeting (hosted by Montreal). RVC's's are left with 8 to be shared and used so that all chapters are visited. RVCs should try to schedule with chapter special events. Chapters that may need additional assistance should also get additional visits.

Doug Cochrane reviewed Building EQ. A slide deck is being updated.

Doug also suggested that a motion for gov't outreach and travel should be added.

Regional Fund use was discussed. Travel and leadership items are included. Input from Farooq Mehboob about how other Regions and Regional At Large as a guide on how other regions fund RVC's. Several have large sponsors. Regional Fund has some expenses for awards – use to be trophies and revising to plaques that the member retains.

Discussed possibility of having meetings with other Regions for chapters and CRCs. The exchange rate may present issues for Canadians travelling into the USA. Corporate sponsors could be an issue as no longer a local meeting. CRC profit and loss issues would need to be worked out. Workshop lengths are different. Written contracts would be suggested as some combined CRC's by other Regions have had issues.

THE REGION 2 PLANNING MEETING ADJOURNED AT 11:50AM ON FRI AUG 23, 2019

LUNCH – Friday Aug 23, 2019 12:00pm

Was within the Hotel at the Daronet Room

MINUTES OF THE 1st BUSINESS SESSION – Friday Aug 23, 2019 1:00pm

The following attended the 1st Business Session

<u>CHAPTER</u>	<u>DELEGATE</u>	<u>ALTERNATE</u>
#100 Halifax	Jason Leadbetter	Marc Rossignol
#117 NB/PEI	Ryan Gosson	Kevin Leger
#013 La Ville de Quebec	Laurence Boulet	Maxime Boivin
#014 Montreal	Francis Lacharite	Audrey Dupuis
#015 Ottawa Valley	Aaron Dobson	Adam Moons
#016 Toronto	Antonio Figueiredo	Brendan McDermott
#037 Hamilton	Iain Hill	Robyn Ellis
#116 London Canada	James Scudamore	Andrew Crowley

#141 Windsor

James Smith

Paul Greff

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Alice Yates	Society Staff	Society Director of Govt Affairs
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Doug Cochrane	Toronto	ARC
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Isabelle Lavoie	Montreal	Nomination Alternate
Daniel Redmond	Ottawa	RVC CTTC
Ronald Gagnon	Montreal	RMCR
Genevieve Lussier	Montreal	RVC MP
Mark Lawrence	Halifax	RVC RP & CRC CoChair
Alexis Gagnon	Quebec	RVC YEA
Mai Anh Dao	Montreal	RVC SA
Rob Hoadley	NB/PEI	RVC GAC
Dan Boudreau	NB/PEI	Chapter CTTC Chair
Stan Holka	Hamilton	Chapter Secretary
Abhi Khurana		
Sandr Kitan	Halifax	Chapter CTTC
Eric Pelletier	Windsor	Chapter Secretary
Vince Laframboise	Windsor	Chapter Newsletter
Aaron Besseling	Hamilton	Chapter Treasurer
Dave Rasmussen	Hamilton	Chapter Historian Chair

Jeff Clarke, DRC, opened the 1st Business Session at 1:09pm on Fri Aug 23, 2019 by welcoming back everyone.

Jeff then asked new guests to introduce themselves (name, chapter, and role in ASHRAE).

Jeff reviewed the Agenda and indicated that the Budget for 2020 CRC had been moved to Saturday (Guy Perreault still in transit to this CRC) and use the time for ARC Report.

Jeff indicated that the Regional Team reviewed the Regional Fund and use. If time permits that would also like to discuss with Delates and Alternates.

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

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APPROVAL OF 2018 CRC MINUTES

Jeff Clarke, DRC, called for discussion and **Motion** for approval of the minutes from 2018 CRC held in Windsor, Ont. Moved by: #014 Montreal - Francis Lacharite, 2nd by: #016 Toronto - Antonio Figueiredo. All voted in favour of the motion and the 2017 CRC Minutes were **Approved** (9/0/0)

STATUS OF 2018 REGION 2 MOTIONS SUBMITTED TO SOCIETY

Jeff Clarke, DRC, called upon Ron Gagnon, 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 2019}

Ron Gagnon then presented the New 2019 Draft Motions that had been prepared so far so that Delegates and Alternates could do an initial review and discuss before Sunday. (refer to motion tables on Sunday of the CRC for the actual motions presented at the CRC).

SOCIETY OFFICER REPORT

Jeff Clarke, DRC, called on Farooq Mehboob, Society VP for the **Society Officer Report**.

{refer to Appendix I - Society Officer Report}

Farooq presented

- Society membership: 57000+ , 130+ countries, 10+ regions, 190+ chapters; 7400 student members
- ASHRAE Commercialism Policy
- New 2019-2024 Strategic Plan: New Mission and New Vision
- Darryl K. Boyce, P. Eng., 2019-20 ASHRAE President www.ashrae.org/president and on facebook
Society year theme: Building for People and Performance. Achieving Operational Excellence
- Signed Memoranda of Understanding with several groups
- ASHRAE New Global HQ – move expected October 2020 (not using any membership fees, new building funded from sale of old building and donations)
- Government Affairs - outreach day events are growing
- Employer Support: Reach Program
- ASHRAE 365 - over 12000 active downloads
- Connect-A-Colleague is ASHRAE's membership recruitment tool
- Resources for Young Engineers in ASHRAE (YEA)
- ASHRAE Foundation Scholarships: 33 Society Scholarships, 27 Chapter Awarded Scholarships
- ASHRAE Launches New Refrigeration Page - Defining the "R" in ASHRAE
- New Ways to Access and Develop Information: Handbooks, Publications, Standards, Guides, Drafts
- Certification: Certified HVAC Designer (CHD) launched www.ashrae.org/certification
- ASHRAE Learning Institute (ALI) - new courses www.ashrae.org/education
- ASHRAE eLearning - more than 90 courses elearning.ashrae.org
- Building EQ web based portal www.ashrae.org/BuildingEQ
- ASHRAE Marketing – powerpoints, videos, images, forms, news <http://www.ashrae.org/marketing>

SOCIETY STAFF REPORT

Jeff Clarke, DRC, called on Alice Yates, Society Director of Govt Affairs

{refer to Appendix J01 – Staff Report}

{refer to Appendix J02 – App-J02 - GovtAffairs Staff What we do}

Alice presented

- Purpose of staff: To Support ASHRAE Members
- 120 employees in 4 locations: Atlanta (HQ) Washington, DC, Dubai, Brussels
- Government Outreach Days: Meetings in DC and Ottawa!
- REGION 2 ACCOMPLISHMENTS AND SHOUT-OUTS!
HIGHEST percentage of YEA Chapter Chairs/Co-Chairs in attendance at CRC YEA workshop
2nd highest increase in the number of YEA members in TCs

Thank you to Montreal Chapter for providing French translation of Building EQ Portal
Region 2 Leadership - Federal Outreach Day in Ottawa, meeting with 8 MPs and 2 Committees
2022 Annual Conference - Toronto (takes place during the 100th anniversary year of the Toronto Chapter!)

- BEWARE OF PHISHING & OTHER EMAIL SCAMS!

CHAPTER REPORTS

Jeff Clarke, DRC, called upon each chapter delegate for their reports and highlights of the past year activities.

{refer to Appendix C – Chapter Reports}

- #100 Halifax - Jason Leadbetter
- #117 NB/PEI - Ryan Gosson
- #013 La Ville de Quebec - Laurence Boulet
- #014 Montreal - Francis Lacharite
- #015 Ottawa Valley - Aaron Dobson
- #016 Toronto - Antonio Figueiredo
- #037 Hamilton - Iain Hill
- #116 London Canada - James Scudamore
- #141 Windsor - Dave Dufour [presented on Sat morning due to time]

[A 15-minute break occurred in the middle of the chapter reports]

REGIONAL FUND

Jeff Clarke, DRC, then presented the regional fund information. The Region currently has approx. \$60,000 in the bank.

{refer to Appendix H – Region 2 Financial Report and Budget}

Jeff explained and discussed how some of the Regional Funds are used and proposed to be used:

- Assist in Regional Team for travel to chapter meetings
- Assist in regional Team for travel, hotel and attending Society meetings – allocation is to assist with costs which may not cover entire costs
- Gov't outreach days are growing; Society has \$2000USD available per Region to assist with transportation
- YEA & Leadership weekends
- Assist smaller chapters to have some additional members attend CRC
- Suggestion to have presentations to outlying areas for getting new members

Discussions involved what amount should be in the Regional Funds and the chapter member allocations along with Regional Dues that each chapter pays. The chapter dues paying members contained within the **Chapter Statistics Table** are used for the calculation. *{refer to Appendix C}* These numbers are taken from the individual reports that each chapter provides at the CRC. The upcoming yearly total 1820 total chapter dues paying members (up 49 from last year).

BASECAMP – Montreal Chapter

Jeff Clarke, DRC, called upon #014 Montreal - Francis Lacharite to present how the chapter is using Basecamp. The Montreal Chapter has paid separately for Basecamp so that they can setup separate Teams and members. This allows for review and coordination for each activity with the BOG. Montreal Chapter is also using e-votes for chapter activities. The chapter has assigned people to look after the changing chairs, dates, todo lists.

Jeff then asked Mark Lawrence - CRC CoChair to review the CRC evening events: Welcome Party (Bluenose Room) with live music, Awards Presentation to recognize some of the regional people, and Hospitality Suite (Harbourview Room) that are occurring Friday night.

THE 1st BUSINESS SESSION ADJOURNED AT 4:47PM ON FRI AUG 23, 2019

EVENING EVENTS

WELCOME PARTY
held in the hotel Bluenose Room

HOSPITALITY SUITE
held in the hotel Barbourview Room

MINUTES OF THE SECOND BUSINESS SESSION – Saturday Aug 24, 2019 8:30am

The following attended the 2nd Business Session

<u>CHAPTER</u>	<u>DELEGATE</u>	<u>ALTERNATE</u>
#100 Halifax	Jason Leadbetter	Marc Rossignol
#117 NB/PEI	Ryan Gosson	Kevin Leger
#013 La Ville de Quebec	Laurence Boulet	Maxime Boivin
#014 Montreal	Francis Lacharite	Audrey Dupuis
#015 Ottawa Valley	Aaron Dobson	Adam Moons
#016 Toronto	Antonio Figueiredo	Brendan McDermott
#037 Hamilton	Iain Hill	Robyn Ellis
#116 London Canada	James Scudamore	Andrew Crowley
#141 Windsor	Dave Dufour	Paul Greff

<u>NAME</u>	<u>CHAPTER or SOCIETY</u>	<u>POSITION</u>
Farooq Mehboob	Society	Society VP
Chuck Gullede	Society	Society President Elect
Alice Yates	Society Staff	Society Director of Govt Affairs
Jeff Clarke	Montreal	DRC
Doug Cochrane	Toronto	ARC
Tom Pollard	London Canada	CRC Secretary / RVC Historian
Nicolas Lemire	Montreal	Nominating Chair
Isabelle Lavoie	Montreal	Nomination Alternate
Daniel Redmond	Ottawa	RVC CTTC
Ronald Gagnon	Montreal	RMCR
Genevieve Lussier	Montreal	RVC MP
Mark Lawrence	Halifax	RVC RP & CRC CoChair
Alexis Gagnon	Quebec	RVC YEA

Mai Anh Dao	Montreal	RVC SA
Rob Hoadley	NB/PEI	RVC GA
Yves Paquette	Montreal	Chapter Membership
Joseph Bruny	Montreal	Chapter Student Activities
Stan Holko	Hamilton	Chapter Secretary
Sandr Kitan	Halifax	Chapter CTTC
Eric Pelletier	Windsor	Chapter Secretary
Vince Laframboise	Windsor	Chapter Newsletter
Mitchell Roher	Hamilton	Chapter CTTC
Mustata Moru	Hamilton	Chapter GAC
Aaron Smith	Halifax	Chapter BOG & CRC CoChair
Bruno Lefebvre	Montreal	Chapter GAC
Kevin Clannon	NB/PEI	Chapter Treasurer
Dave Rasmussen	Hamilton	Chapter Historian Chair
Jamie Smith	Windsor	Chapter SA
James Smith	Windsor	Chapter MP
Alex Leblanc	Halifax	Chapter member
Jarrett Steele	NB/PEI	Chapter GAC
Evans Mutua	Ottawa	Chapter Comm Chair
Ibhishek Khurana	Toronto	Chapter VP
Daniel Roberts	Montreal	Chapter Gov
Zarna Kakadiya	Ottawa	Chapter Alt
Dan Boudreau	NB/PEI	Chapter CTTC
John Willden	NB/PEI	Chapter History
Chantal Diigle Vernier	NB/PEI	Chapter Secretary
Yves Savoie	NB/PEI	Chapter VP

Jeff Clarke, DRC, opened the 2nd Business Session at 8:35am on Sat Aug 24, 2019.

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

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Jeff called upon the new guests to introduce themselves including Chuck Gullledge, Society President Elect.

Jeff then asked Aaron Smith CRC CoChair to review the day's events and locations.

{refer to Appendix-A1 – CRC 2019 Agenda and Appendix-A2 – CRC 2019 Companion and Family Agenda}

CHAPTER REPORTS (continued)

{refer to Appendix C – Chapter Reports}

Jeff then asked Windsor to present the chapter report which did not have time to complete on Friday

#141 Windsor - Dave Dufour

REGIONAL 2 STATISTICS

Jeff Clarke, DRC, called upon Tom Pollard to show the **Region 2 Statistics Table** prepared from combining 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.

{refer to Appendix C – Region 2 Statistics}

The Region has **1820 dues paying members** (up from 1771 for 2018, 1811 for 2017, 1748 for 2016). This will be used by the Region Treasurer for chapter dues assessments.

REGIONAL VICE-CHAIR (RVC) REPORTS

Jeff Clarke, 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 (incoming) / Daniel Robert (outgoing)
Student Activities (SA) - Mai Anh Dao
Government Affairs (GA) – Rob Hoadley
Research Promotion (RP) - Mark Lawrence
History - Tom Pollard
Communications Committee (CC) - Tom Pollard
Region Members Council Representative (RMCR) - Ronald Gagnon
Young Engineers In ASHRAE (YRC/YEA) – Alexis Gagnon
Membership Promotion (MP) – Genevieve Lussier

REGION 2 MANUAL OF REGIONAL OPERATIONS

Jeff Clarke, DRC, called on Doug Cochrane, ARC to review the **Region 2 Manual of Regional Operations** (posted on Basecamp). The Manual was developed to record how the region operates. This allows regional Officers as well as Chapter Officers to find and answer questions.

ASHARE RESEACRH CANADA

Jeff Clarke, DRC, called on Guy Perreault to explain ASHRAE RESEACRH CANADA.

Guy explained the purpose of ASHRAE Research Canada to allow for fund contributions from companies to be used as a tax “donation” and created in 1972. This does not allow a personal donation due to the classification. Moneys collected in Canada is spent on research in Canada and additional funds are added by ASHRAE Society. There are also “Grants In Aid” that can be used by Canadian Universities.

Part of this requires an annual meeting to be held by the Executive and Members. ASHRAE Canada Chapters Delegates are the voting members of ASHRAE Research Canada which also has an Executive Group (includes all from Region 2 and the chapters from Western Canada). Once there are financial statements prepared, which are expected in October, then a conference call meeting will be set up with the Delegates for approval.

Jeff Clarke, DRC then reminded everyone that start time on Sunday is 8:00am to ensure motions can be discussed while trying to be done on time.

THE 2nd BUSINESS SESSION ADJOURNED AT 9:50AM ON SAT AUG 24, 2019.

**THE REMAINDER OF THE MORNING CONSISTED OF
EXECUTIVE SESSION #1 (for Delegates and Alternates)**

MORNING WORKSHOPS
CTTC
MEMBERSHIP
STUDENT ACTIVITIES

LUNCH and AWARDS PRESENTATION
{refer to Appendix E – Awards Ceremony 2019}

**Lunch included presentation on Presidential Theme
Building for People and Performance. Achieving Operational Excellence.
Darryl K. Boyce, P. Eng., 2019-20 ASHRAE President**

AFTERNOON WORKSHOPS
CHAPTER OPERATIONS
CTT
GOVERNMENT AFFAIRS
HISTORY & COMMUNICATIONS
MEMBERSHIP
RESEARCH PROMOTION
STUDENT ACTIVITIES
YEA

EVENING EVENTS

FRIDAY NIGHT EVENT
at the HALIFAX CITADEL – NATIONAL HISTORIC SITE

HOSPITALITY SUITE
at the hotel – Harbourview Room

MINUTES OF THE THIRD BUSINESS SESSION – Sunday Aug 25, 2019 8:00am

The following attended the 3rd Business Session

CHAPTER

#100 Halifax

DELEGATE

Jason Leadbetter

ALTERNATE

Marc Rossignol

#117 NB/PEI	Ryan Gosson	Kevin Leger
#013 La Ville de Quebec	Laurence Boulet	Maxime Boivin
#014 Montreal	Francis Lacharite	Audrey Dupuis
#015 Ottawa Valley	Aaron Dobson	Adam Moons
#016 Toronto	Antonio Figueiredo	Brendan McDermott
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Mai Anh Dao	Montreal	RVC SA
Rob Hoadley	NB/PEI	RVC GAC
Dan Boudreau	NB/PEI	Chapter CTTC Chair
Bruno Lefebvre	Montreal	Chapter GAC Chair
Niss Feiner	Toronto	Chapter History Chair
Stan Holka	Hamilton	Chapter Secretary
David Rasmussen	Hamilton	Chapter History Chair
Jamie Fine	Toronto	Chapter CTTC Chair
Kevin Bregel	NB/PEI	Chapter MP Chair
Ben Roundell	NB/PEI	Chapter YEA Chair
Kevin Clannon	NB/PEI	Chapter Treasurer
Aaron Smith	Halifax	Chapter BOG
Daniel Robert	Montreal	Chapter BOG
Mitchell Rohner	Hamilton	Chapter CTTC
Mustafa Morey	Hamilton	Chapter GAC

Rick Morash	Halifax	Chapter Member
James Smith	Windsor	Chapter MP
Mark Long	Hamilton	Chapter SA Chair
Daniel Bourque	Halifax	Chapter Treasurer
Alekhyou Kaianathbhatta	Toronto	Chapter YEA Chair
Shawn Walton	Montreal	Chapter Newsletter

Jeff Clarke, DRC, welcomed everyone to the 3rd Business Session at 8:03am on Sun Aug 25, 2019.

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

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Jeff called for the presentations of the Saturday Workshop Reports.

WORKSHOP REPORTS

CHAPTER TECHNICAL TRANSFER (CTT) WORKSHOP REPORT

Attendance: 9 out of 9 chapters and 8 out of 9 chairs

Reviewed Technology Awards, Building EQ, DL Program, PAOE

Chapter programs are critical to the chapter success

STUDENT ACTIVITIES (SA) WORKSHOP REPORT

Attendance: 8 out of 9 chairs, and 3 students attended

Did an ice breaker game

Discussed PAOE, Scholarships, Grants, K-12 and STEM activities

GOVERNMENT AFFAIRS (GA) WORKSHOP REPORT

Attendance: 5 out of 9 chairs

Discussed Building EQ, acronyms of ASHRAE, PAOE, Governmental Structure and Code

RESEARCH PROMOTION (RP) WORKSHOP REPORT

Attendance: 8 out of 9 chairs with 6 chapter chairs

Discussed that chairs typically have previous exposure to ASHRAE, web page with additional information, what motivates people and why donate to ASHRAE (contribute to improvements to standards)

HISTORICAL WORKSHOP REPORT & COMBINED COMMUNICATIONS COMMITTEE (CC) REPORT

Attendance: 8 out of 9 chairs with 5 chapter chairs

Discussed important dates for chapters (anniversary dates) and Toronto 2020 meeting, propose and how to archive items, PAOE and goals, Building EQ, declining membership of older members and engineering community, Honours & Awards

REGION MEMBERS COUNCIL REPRESENTATIVE (RMCR) WORKSHOP REPORT

Attendance: 9 out of 9 chairs with 22 total in attendance

Discussed what is required about registering as a Chapter with Revenue Canada (required if revenue over \$50,000), how to get more members involved, need to have good chapter programs, chapter bylaws may need to be updated to allow for e-voting; phishing emails, regional budget

YOUNG ENGINEERS IN ASHRAE (YEA) WORKSHOP REPORT

Attendance: 7 out of 9 chairs with 7 out of 9 chapter chairs

Discussed review of Society and acronyms, programs and Leadership U, turning student members to active members, chapter activities, PAOE

MEMBERSHIP PROMOTION (MP) WORKSHOP REPORT

Attendance: 6 out of 9 chairs with 10 total in attendance

Discussed working with other chapters, get buy-in by others to get new members on board, PAOE and objectives, have door food good program good venue to get members to meetings and involved in ASHRAE

MEMBERSHIP PROMOTION (MP) WORKSHOP REPORT

Attendance: 6 out of 9 chairs with 10 total in attendance

Discussed working with other chapters, get buy-in by others to get new members on board, PAOE and objectives, have door food good program good venue to get members to meetings and involved in ASHRAE

CRC FAMILY ACTIVITIES

Jeff asked for a report on the **Family Activities** at the CRC

Attendance: 20 to 24 kids

New this year, pool a big success, movie had kids in & out, Discovery Centre was great (had to pull the kids away), assume that family are like companions and some may like to explore the city by themselves, STEM event only had 13 people.

Jeff suggested that other chapters should consider **Family Activities** at upcoming CRC's. It creates a different atmosphere at the CRC then just all meetings and sessions.

EXECUTIVE SESSION & NOMINATING REPORT

Jeff Clarke, DRC, called on Isabelle Lavoie from report from the **Caucus and Executive Sessions**.

Isabelle reported that the positions had been completed (complete on Saturday afternoon). Isabelle reported that Delagtes and Alternates came well prepared to the meetings. The meetings were efficient and a number of good names brought forward.

The New Nominating Member and Alternate for next year will be:

Nominating Member - Nicolas Lemire

Nominating Alternate - Isabelle Lavoie

Nominating Reserve Alternate - Joel Primeau

The New Ethics Board for next year will be:

Board Member - Nicolas Lemire

Board Alternate - Isabelle Lavoie

Board Reserve Alternate - Joel Primeau

REGIONAL FINANCES – CRC 2018 WINDSOR REPORT

Jeff Clarke, DRC, called on host chapter (Halifax) regarding the past chapter's crc (Windsor) financial statements.

Mark Lawrence reported that a review of the CRC reports had been completed.

Mark Lawrence then asked for **Motion** for approval of the 2018 CRC Report/Budget held in Windsor as presented. Moved by #014 Montreal - Francis Lacharite, 2nd by #016 Toronto - Antonio Figueiredo. All voted in favour of the motion.
Approved (9/0/0)

REGIONAL 2 - 2019-2020 BUDGET

Jeff Clarke, DRC, presented the new budget for the region. The spreadsheet table was reviewed during the Chapter Operation Workshop with updated to 1820 chapter dues paying members. Most of the expenses are for travel expenses. Jeff reviewed the past year expense and income items with Mark Lawrence and Region 2 Treasurer - Yves Trudel.

{refer to Appendix H – Region Fund}

Discussion that review of past Region 2 Financial Statement and New 2019-2020 Budget now could be changed due to some upcoming motions that could effect new expense amounts. The new Budget was tables until after the Motions reviewed.

Jeff Clarke, DRC, called for **Motion** for approval of the **2018-2019 Region 2 Financial Statement**. Moved by: #037 Hamilton - Iain Hill , 2nd by: #014 Montreal - Francis Lacharite. All voted in favour of the motion. **Approved** (9/0/0)

CRC 2020 BUDGET – QUEBEC, QC Fri, Aug 21/2020 to Sun, Aug 23/2020

Jeff Clarke, DRC, called on Guy Perreault CRC 2020 Chair to present the schedule of events and budget.

Guy presented a draft 2020 CRC Program along with a Preliminary Budget. Registration rates have been proposed at: \$450 full, \$350 partial, \$225 companion. Hotel room rate is \$199 per night for single or double occupancy (last Quebec CRC had room rate of \$179). Some items changed during discussion are that DRC hotel is not covered as part of CRC expenses but are paid by regional fund, gifts for special guests, sponsorship amounts (need to think regionally), insurance coverage for boat event and meal – will need to arrange coverage by Society.

Jeff Clarke, DRC, called for **Motion** for approval of the **2020 CRC Budget**. Moved by: #141 Windsor - Dave Dufour , 2nd by: #015 Ottawa Valley - Aaron Dobson. All voted in favour of the motion. **Approved** (9/0/0)

2019 SOCIETY AND REGIONAL MOTIONS

Jeff Clarke, DRC, called on Ronald Gagnon RMCR to present and show the 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).

S=Society Motion, R=Regional Motion

2019 Motion #	STATUS For/Against/Abstain	MOTION
2019-S-01	PASSED 9/0/0	Moved 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.
2019-S-02	PASSED 9/0/0	That in order to protect members against identity thief, the Full Date of birth (month-day-year) should not be requested at member's registration but only MONTH and YEAR
2019-S-03	WITHDRAWN	Move that RP donations received by head office after the deadline count towards the chapters goal in the year that just ended, as long as the submitted financial document (cheques money order etc) is (are) dated before the end of the fiscal year June 30th This also accounts for longer shipping times often incurred by chapters outside USA (Canadian, European, Middle East and others)
2019-S-04	PASSED 9/0/0	Moved that Society revise the PAOE web site page to clearly show for each category the chair or co-chairs that can enter points.
2019-S-05	PASSED 9/0/0	Moved that Society revise the PAOE web site Communications portion to allow chapter chairs for communications, plus web master and plus newsletter editor to enter points.
2019-S-06	FAILED 1/8/0	Moved that Society provide a system whereby Student Memberships can be pre-purchased in some quantity and that Society provide a one time code or pin# to be entered into the student membership application form.
2019-S-07	PASSED	Moved that Society revise the criteria for the Scholarship program to allow the

	9/0/0	contribution to be taken in Canadian funds and the scholarship be given in Canadian funds.
2019-S-08	PASSED 9/0/0	Move to have Society hold one HVAC Essentials course in Region II per year.
2019-S-09	PASSED 9/0/0	Move that Society hold at least one in four annual (summer) conference in a location outside of the United States.
2019-S-10	PASSED 9/0/0	Move to have SA, MP chairs to receive a monthly summary report in addition to the individual lapse member emails
2019-S-11	PASSED 9/0/0	Moved 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.
2019-R-01	WITHDRAWN	Moved that Region 2 CRC no longer be required or expected to host a separate (usually fancier) dinner event on the Thursday evening of a CRC for a select group of guests, regional officers and organizers.
2019-R-02	PASSED 9/0/0	Move that Region assist financially chapter attendance at CRC, up to \$3,000 at the discretion of the DRC
2019-R-03	PASSED 5/3/1	That the physical history table top portion of the CRC is updated to a virtual presentation passively presented during a high visibility event during the CRC
2019-R-04	PASSED 9/0/0	That a Basecamp area be created in order to store content material for chapter publication such as technical articles, industry news or building case study.
2019-R-05	PASSED 9/0/0	Move that Region increase the allotment to regional officers to partially reimburse accommodations for society meeting, from \$200 per night/CAD to \$250 per night/CAD.
2019-R-06	FAILED 1/8/0	Move that Region add a 3rd opportunity for individual to assist the YEA Leadership Weekend.

2019 SOCIETY AND REGIONAL MOTION DETAILS

Society Motion: 2019-S-01

Moved By: #013 La Ville de Quebec - Laurence Boulet 2nd By: #014 Montreal - Francis Lacharite

Motion: Moved 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.

Background: X Engineering as a whole will only survive and thrive if more women are participating actively in this traditionally male-dominated industry. We believe it was extremely short-sighted on the part of the Board of Directors to end the financial support for WIA.

The background information for this motion could be a long essay on the numerous and important contributions of women in ASHRAE, and how WIA has played an important role in recruiting, supporting and encouraging women to pursue leadership roles. We feel these arguments should be entirely self-evident considering the multiple recent success stories of strong engagement by women at all levels of ASHRAE activities and the selling out of the WIA breakfast and happy hour events held at ASHRAE annual and winter meetings. The Board of Directors or the Members Council should hardly require any more convincing other than to point out the obvious shortsightedness of this decision.

Fiscal Impact: unknown

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Society Motion: 2019-S-02

Moved By: : #014 Montreal - Francis Lacharite 2nd By: #037 Hamilton - Iain Hill

Motion: That in order to protect members against identity thief, the Full Date of birth (month-day-year) should not be requested at member's registration but only MONTH and YEAR

Background: X In the past years, multiple companies such as bank, supermarket and other society, perceived as being responsible and safe on personal data, have been victim of hackers.

Holding a large amount of information on our members that are not useful to our operations and that are sensitive for identity thief should be eliminate from our data base to prevent this risk in case of hacking.

Fiscal Impact: To be evaluated

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Society Motion: 2019-S-03

Moved By: #116 London Canada - James Scudamore 2nd By: #015 Ottawa Valley - Aaron Dobson

Motion: **Move that RP donations received by head office after the deadline count towards the chapters goal in the year that just ended, as long as the submitted financial document (cheques money order etc) is (are) dated before the end of the fiscal year June 30th This also accounts for longer shipping times often incurred by chapters outside USA (Canadian, European, Middle East and others)**

Background: The London Chapter recently submitted a late RP cheque, which was not recognized as part of our contributions. This caused the London chapter to appear to have missed our target by about \$4000 when in fact we did not. The late submission was due to one person's busy schedule, and the Chapter as a whole paid for that. So many of our volunteers spent their own time and money to achieve this goal, and the Chapter got no recognition for it. We do understand the money still made it to RP which of course is the main goal

Fiscal Impact: None

Vote Count: Motion withdrawn by London Chapter during discussion

Society Motion: 2019-S-04

Moved By: #116 London Canada - James Scudamore 2nd By: #037 Hamilton - Iain Hill

Motion: **Moved that Society revise the PAOE web site page to clearly show for each category the chair or co-chairs that can enter points.**

Background: Currently the PAOE points can be viewed by some chapter officers and RVC but only certain authorized chapter chairs can enter points and it is not clear as to who can enter these PAOE points.

Fiscal Impact: unknown (minimal as should be some web page edits to add chair indications to items)

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Society Motion: 2019-S-05

Moved By: #116 London Canada - James Scudamore 2nd By: #014 Montreal - Francis Lacharite

Motion: **Moved that Society revise the PAOE web site Communications portion to allow chapter chairs for communications, plus web master and plus newsletter editor to enter points.**

Background: Not all chapters have a Communications Chair. It appears that PAOE points can not be currently entered by chapter newsletter editors nor by web masters but some categories are based on these activities.

Fiscal Impact: unknown (but should be minimal as some computer coding needs to be adjusted)

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Society Motion: 2019-S-06

Moved By: #117 NB/PEI Ryan Gosson 2nd By: #016 Toronto - Antonio Figueiredo

Motion: **Moved that Society provide a system whereby Student Memberships can be pre-purchased in some quantity and that Society provide a one time code or pin# to be entered into the student membership application form.**

Background: Where the paper forms are not accurate if we can have the students fill out the online application and use the code and we have accurate data.

Fiscal Impact: \$ unknown

Vote Count: **FAILED** For: 1 Against: 8 Abstained: 0 (some chapter have students pay and then reimburse the student for the membership)

Society Motion: 2019-S-07

Moved By: #016 Toronto - Antonio Figueiredo 2nd By: #116 London Canada - James Scudamore

Motion: **Moved 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.**

Background: Currently, the Society accepts two levels of scholarship pledges from Chapters in the amount of \$30,000 and \$60,000 USD. The initial pledge also counts towards the Chapter's RP goal. When this amount is reached, a return of 5%, is given to a student. Previously, these amounts were offered in Canadian funds and there is one Chapter in Region II that has such agreement in Canadian funds. Society now only offers this scholarship in US funds. However, RP contributions from

Canada are submitted to the Society in Canadian funds and there is an endowment that offers a 5% return in RP contributions in Canadian funds. The intent of this scholarship is to provide benefit to a student while encouraging RP contributions from the Chapter. Handing out a scholarship to a Canadian student in US funds is cumbersome and burdens the chapter with further administration procedures.

Fiscal Impact: unknown (It would depend on how the ASHRAE Foundation manages its Canadian funds and the exchange rate at that time. Likely, on average, it will have no fiscal impact.)

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Society Motion: 2019-S-08

Moved By: #016 Toronto - Antonio Figueiredo 2nd By: #037 Hamilton - Iain Hill

Motion: **Move to have Society hold one HVAC Essentials course in Region II per year.**

Background: For the last 2 years the HVAC essentials course Level 1 and 2 have been held in Toronto. We have sold out both training sessions and see continued interest from our members.

Society has expressed concern the courses in Toronto were a victim of their own success and no longer see enough interest in the course to keep it in the Region.

Fiscal Impact: Based on the course being sold out, the average revenue is \$18,000, which has been divided between society and the chapter.

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Society Motion: 2019-S-09

Moved By: #016 Toronto - Antonio Figueiredo 2nd By: #015 Ottawa Valley - Aaron Dobson

Motion: **Move that Society hold at least one in four annual (summer) conference in a location outside of the United States.**

Background: X As ASHRAE is focusing on growing the international membership and being embraced as a globally relevant society. Effort should be made to allow chapters outside of the United States to host the summer conference.

By hosting events outside of the United States, ASHRAE will further its effort to become a global entity.

Fiscal Impact: Unknown

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Society Motion: 2019-S-10

Moved By: #016 Toronto - Antonio Figueiredo 2nd By: #116 London Canada - James Scudamore

Motion: **Move to have SA, MP chairs to receive a monthly summary report in addition to the individual lapse member emails.**

Background: The Current system sends out 1 email for every lapse member, which makes it difficult to manage the responses to the members.

Fiscal Impact: TBD

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Society Motion: 2019-S-11

Moved By: #141 Windsor - Dave Dufour 2nd By: #016 Toronto - Antonio Figueiredo

Motion: **Moved 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.**

Background: Presently, the only jurisdiction for corrosive waste neutralization dispersing into a city sewer is to follow the local plumbing bylaw. The local sewer use bylaw dictates the acceptable pH levels that a facility may discharge into the municipal system. The methods for achieving these acceptable pH levels fall under an engineered system approach. Most municipal bylaws prohibit the use of dilution as a means of achieving the required pH levels so an active method for neutralization is necessary. The neutralization process of using high calcium carbonate limestone has been prevalent for decades for acidic effluent and has been the most proven and reliable method still used today. The concern is with the sump that holds the calcium carbonate limestone and the quality, or lack thereof, that is involved in the construction of these tank systems. The piping requirements for corrosive waste in Canada is very specific as listed under O.B.C. 7.2.8.1 or N.P.C. 2.2.8.1 and will dictate the third party standards and dimensions etc. for the piping carrying the corrosive waste to the neutralization tank. However, a sump that is intended to hold and treat the waste should be, in the very least, subject to some type of scrutiny with respect to construction quality, pressure testing and minimum standards in materials and performance. Under O.B.C and N.P.C (7.5.5.3 and 2.5.5.3 respectively) there is reference to independent venting requirements for

neutralization/dilution tanks as well as a minimum vent sizing of 2" and a maximum of 4" per O.B.C. 7.5.7.7.2 and N.P.C. 2.5.7.7.2.

Fiscal Impact: unknown

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Regional Motion: 2019-R-01

Moved By: #013 La Ville de Quebec - Laurence Boulet 2nd By: #014 Montreal - Francis Lacharite

Motion: **Moved that Region 2 CRC no longer be required or expected to host a separate (usually fancier) dinner event on the Thursday evening of a CRC for a select group of guests, regional officers and organizers.**

Background: These dinner events have in the past been quite costly to the CRC budget or to the host chapter. There are several incidents in our region when these dinners have been unusually elaborate and costly to the host chapter or the region through the CRC budget.

A more modest event involving all the CRC participants who have arrived on Thursday, much like the one Halifax hosted at the Halifax Ale House with beer, nachos and wings would be much more appropriate. It would also allow more ASHRAE members to network with ASHRAE staff and executives, instead of a chosen few. At this CRC, the event at the Ale House ended up costing the CRC because the scheduled 9pm end time for the event was extended when the special dinner events people arrived.

Fiscal Impact: \$750 - \$3,500 savings on the CRC budget

Vote Count: **Withdrawn** (discussed that dinner is at the discretion of the CRC Host Chapter like all events)

Regional Motion: 2019-R-02

Moved By: #116 London Canada - James Scudamore 2nd By: #015 Ottawa Valley - Aaron Dobson

Motion: **Move that Region assist financially chapter attendance at CRC, up to \$3,000 at the discretion of the DRC**

Background: London believes that surplus Regional funds could be put to good use to encourage CRC attendance for smaller, or distant Chapters. This year we have smaller Chapters of Hamilton, Windsor and London flying the Regional maximum mileage. Similarly, Halifax and NB/PEI would have had the same issue last year in Windsor. The preliminary thought would be to fund two members from such a Chapter \$1500 each that year. We could rotate Chapters each year and funds could vary based on our Regional Fund review at the annual CRC

Fiscal Impact: \$3,000

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Regional Motion: 2019-R-03

Moved By: #014 Montreal - Francis Lacharite 2nd By: #016 Toronto - Antonio Figueiredo

Motion: **That the physical history table top portion of the CRC is updated to a virtual presentation passively presented during a high visibility event during the CRC**

Background: X Logistic to bring material (artifact, books, tv, roll ups, etc) for a table top during the CRC is time consuming and the visibility of the table top are low. There is also a high risk of losing or damaging those artifacts during transport. On the sustainability aspect, moving weights in plane, car or shipping consume energy that could be save by using a virtual presentation.

The presentation could be 5 to 10 slides for each chapter underlining memorable moment of the year, event or historical memories that need to be collectively remembered. The combined presentation could be played during dinner event or other venue so that the maximum of members could be exposed to this presentation. The participation would increase since the presentation will be made at the same time as preparing the chapter report.

The presentations can be easily stored in the region Basecamp and used to show local chapter what is happening in the region

Fiscal Impact: unknown (savings could potentially be made on hotel reservation since no additional space for table top would be required)

Vote Count: **PASSED** For: 5 Against: 3 Abstained: 1

Regional Motion: 2019-R-04

Moved By: #014 Montreal - Francis Lacharite 2nd By: #116 London Canada - James Scudamore

Motion: **That a Basecamp area be created in order to store content material for chapter publication such as technical articles, industry news or building case study.**

Background: In order to captivate the interest of ASHRAE member, it is important to provide high quality content in our local publication, website or newsletter. Finding new and noncommercial related content can be hard on chapters to

produce on a regular basis.

By creating a data base where chapters can share the content could help strengthen chapters visibility and raise interest of their newsletter. The chapters could share this content after a certain time in order to keep some exclusivity.

Having the ability to produce English and French content could also help other chapter to satisfy a broader membership throughout region II

This data base could also be use as historical purpose

Fiscal Impact: None

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Regional Motion: 2019-R-05

Moved By: #016 Toronto - Antonio Figueiredo 2nd By: #037 Hamilton - Iain Hill

Motion: **Move that Region increase the allotment to regional officers to partially reimburse accommodations for society meeting, from \$200 per night/CAD to \$250 per night/CAD.**

Background: The previous amount of \$600 per trip was set in place over 6 years ago. The increase is to keep pace with the current hotel rates and the recent exchange rate.

Fiscal Impact: \$150 CAD per trip per regional officer per Society meeting (2 per year)

Vote Count: **PASSED** For: 9 Against: 0 Abstained: 0

Regional Motion: 2019-R-06

Moved By: #013 La Ville de Quebec - Laurence Boulet 2nd By: #016 Toronto - Antonio Figueiredo

Moved: **Move that Region add a 3rd opportunity for individual to assist the YEA Leadership Weekend.**

Background: Considering that the chapter and the region are benefiting from the life changing experience that is the YEA Leadership weekend and that members who are doing the YLW bring some strong leadership back at chapter level and at the regional level, the region should be allowing more people to attend.

Dan Eglison, Elizabeth Primeau, Olivier Bernier, Karina Bagryan, Jonathan Boudreault, Beatriz Salazar, Ahmed Aboueich, Alekhya Kaianathbhatta, Alexis T Gagnon, and others done it and are all helping leveraging the quality of the region. (either paid by chapter or the region)

Fiscal Impact: \$1100 CAD

Vote Count: **FAILS** For: 1 Against: 8 Abstained: 0

END OF MOTIONS

REGIONAL 2 - 2019-2020 BUDGET

Jeff Clarke, DRC, presented the new budget for the region.

{refer to Appendix H – Region Fund}

Discussion travel adjusted Regional Officers to Society Winter and Summer Annual meetings and Chapter Member numbers. There will be some profit from Halifax for CRC. Budget as presented has a deficit of approx. \$10,000 which could reduce bank balance approx.: \$66,000-\$10,000=\$56,000. It was discussed that the Region 2 bank account should be reduced.

Jeff Clarke, DRC, called for **Motion** for approval of the **2019-2020 Region 2 Budget**. Moved by: #015 Ottawa Valley - Aaron Dobson, 2nd by: #015 Ottawa Valley - Aaron Dobson. All voted in favour of the motion. **Approved** (9/0/0)

2019-2020 REGIONAL OFFICERS VISITS

Jeff Clarke, DRC, then presented a preliminary table with proposed visits by RVC's to the Chapters. Society allows the DRC to assign and approve the visits. The RVC's can then schedule visits with the chapters at a suitable meeting date(s). RVCs should also have an official visit to their home chapter.

Region 2 has 18 visits permitted by Society each year. The summer planning meeting uses 8 and therefore 10 are allocated for RVC chapter visits. Hamilton has 50th anniversary meeting and Halifax has 55th anniversary. April has joint meeting between Toronto and Hamilton.

NEW BUSINESS

Jeff Clarke that asked that any new or additional items that need to be discussed.

Discussed if separate Basecamp site to be used in place of part of the main Society area. An additional yearly cost would be required for approval (\$1000USD). It was agreed that current Basecamp site appears to work and that future budget may not allow for the expense.

The **Society Chapter Opportunity Fund** has not been allocated for the 2019-2020. It is planned to be reviewed by Society for future years. Society is looking at all items and exposes.

UPCOMING CRC DATES AND LOCATIONS

Aug 21 to 23, 2020 - Quebec, QC - Chair - Guy Perreault

Aug 27 to 29, 2021 - Ottawa, ON - Chair: Steven Lynch, Evans Mutua (planned for Carlton Univ)

Aug 26 to 28, 2022 - London, ON (chair – tbd)

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

Aug 2023 - Toronto, ON

FINAL REMARKS

Jeff Clarke, DRC, asked if anyone had final remarks

The CRC was well planned that the Halifax CRC Team did an outstanding job. The creativity with the videos and family events created a slightly different CRC event.

Jeff then thanked the VIPs for attending and their time commitment.

Farooq Mehboob - Society VP

Chuck Gullede - Society President Elect

Alice Yates - Society Director of Govt Affairs

A CRC debriefing will follow for a review of this CRC and to assist in planning other CRC's

Jeff Clarke, DRC then proposed a Motion that the Meeting be adjourned.

Moved by: #016 Toronto Antonio Figueiredo , 2nd by: #015 Ottawa Valley Aaron Dobson. **Approved** by all Delegates (9/0/0).

The 3rd Business Session of the 2019 CRC was concluded.

**THE 3rd BUSINESS SESSION & CRC ADJOURNED AND CONCLUDED
AT 10:50AM ON SUN AUG 25, 2019**

A CRC debriefing meeting was held for Halifax Chapter (2019 CRC) and Quebec Chapter (2020 CRC) after the adjournment.

HALIFAX CRC 2019 AGENDA

Day 1: Friday, August 23th

<i>Time</i>	<i>Event</i>	<i>Participants</i>	<i>Location</i>
07:00 – 08:30	Breakfast	Full, Full Family, Full Companion	Baronet 123
07:00 – 18:00	CRC Registration	All	Coat Check
08:30 – 09:30	Orientation Session	Delegates, Alternates, Reg. Officers <i>All are welcome</i>	Baronet 456
	<ol style="list-style-type: none"> 1. Welcome Remarks 2. ASHRAE Code of Ethics 3. Introduction 4. Appointment of the CRC recording secretary 5. Review and approval of CRC Agenda 6. Presentation of CRC and today's events 7. 2018-2019 Society and Regional Highlights 8. Review of Honors and Awards 9. Review of RVC roll off dates 10. Travel Vouchers – requirements 11. Regional Photo 	<p>J. Clarke</p> <p>J. Clarke</p> <p>ALL</p> <p>J. Clarke</p> <p>J. Clarke</p> <p>A. Smith</p> <p>D. Cochrane</p> <p>I. Lavoie</p> <p>J. Clarke</p> <p>J. Clarke</p> <p>DRC, Delegates and Alternates</p>	
09:00 – 15:00	Tech Talks	Ticketed event	Bluenose
09:30 – 11:45	Caucus Session	Delegates, Alternates, N. Lemire, I. Lavoie	Baronet 456
09:30 – 11:45	Regional Meeting DRC/ARC/RVCs	Regional Officers	Empress
10:30 – 10:45	Break	Full	Baronet 123
12:00 – 13:00	Lunch	Full, Full Family, Full Companion	Baronet 123
12:15 - 16:00	Peggy's Cove Tour	Ticketed event	Hotel Lobby
13:00 – 17:00	Business Meeting No. 1	Delegates, Alternates, Reg. Officers <i>All are welcome</i>	Baronet 456
	<ol style="list-style-type: none"> 1. Call to Order 2. ASHRAE Code of Ethics 3. Approval of 2018 CRC Minutes 4. Report of 2018 Region II Motions submitted to Society 5. Reading of any prepared Motions for 2019 CRC 6. CRC 2020 Budget 	<p>J. Clarke</p> <p>J. Clarke</p> <p>J. Clarke</p> <p>R. Gagnon</p> <p>R. Gagnon</p> <p>G. Perrault</p>	

HALIFAX CRC 2019 AGENDA

	7. Society Officer Report VP 8. ASHRAE Staff Report 9. Chapter Reports (5 minutes each) 1. Halifax 2. NB/PEI 3. Québec City 4. Montréal 5. Ottawa 6. Toronto 7. Hamilton 8. London 9. Windsor (hold for Business Meeting No. 2) 10. Meeting Adjournment	F. Mehboob A. Yates Delegates J. Clarke	
15:00 – 15:15	Break	Full	Baronet 123
17:30 – 21:00	Pool Party	Family	Harbourview
17:45 – 21:00	Welcome Party	All	Bluenose
21:30 – 23:00	Hospitality Suite	Adults only	Harbourview

Day 2: Saturday, August 24th

<i>Time</i>	<i>Event</i>	<i>Participants</i>	<i>Location</i>
07:00 – 08:30	Breakfast	All	Baronet 123
07:30 – 17:00	CRC Registration	All	Coat Check
08:30 – 09:45	Business Meeting No. 2	Delegates, Alternates, Reg. Officers <i>All are welcome</i>	Baronet 456
	1. Call to Order 2. ASHRAE Code of Ethics 3. Presentation of today's events 4. Regional Statistics 5. Windsor Chapter Report 6. RVC Reports (5 minutes each) a. CTTC b. SA c. GAC d. RP e. CC f. Historian g. RMCR h. YEA i. MP 7. Region 2 Manual of Operations 8. ARC 9. Meeting Adjournment	J. Clarke J. Clarke A. Smith T. Pollard Delegate D. Redmond M. A. Dao R. Hoadley M. Lawrence T. Pollard T. Pollard R. Gagnon A. T. Gagnon G. Lussier D. Cochrane G. Perrault J. Clarke	
08:30 – 18:00	FamFest Event	Family	Harbourview /

HALIFAX CRC 2019 AGENDA

			Offsite
10:30 – 16:00	Companion Event	Companion	Hotel Lobby / Offsite
09:45 – 10:00	Break	Full, Partial	Baronet 123
10:00 – 11:45	CTTC Committee Workshop Part 1	CTTC Chairs	MacKay
10:00 – 11:45	Membership Committee Workshop Part 1	MP Chairs	MacDonald
10:00 – 11:45	Student Activities Committee Workshop Part 1	SA Chairs	Barrington
10:00 – 11:45	YEA Committee Workshop	YEA Chairs	Mayflower
10:00 – 11:45	Executive Session No. 1	Delegates, Alternates	Baronet 456
12:00 – 13:30	Awards Luncheon with Presidential Address	Full, Partial	Baronet 123
13:45 – 17:00	Chapter Operations Committee Workshop	Delegates, Alternates	Baronet 456
13:45 – 17:00	CTTC Committee Workshop Part 2	CTTC Chairs	MacKay
13:45 – 17:00	Government Advocacy Committee Workshop	GAC Chairs	Empress
13:45 – 17:00	History Committee Workshop	Historians Chairs	McNab
13:45 – 17:00	Membership Promotion Committee Workshop Part 2	MP Chairs	MacDonald
13:45 – 17:00	Research Promotion Committee Workshop	RP Chairs	Harbourview
13:45 – 17:00	Student Activities Committee Workshop Part 2	SA Chairs	Barrington
13:45 – 17:00	YEA Committee Workshop	YEA Chairs	Mayflower
15:00 – 15:15	Break	Full, Partial	Baronet 123
18:00 – 23:00	Party Like Its 1819	All	Hotel Lobby / Offsite
21:30 – 23:00	Hospitality Suite	Adults only	Harbourview

Day 3: Sunday, August 25th

<i>Time</i>	<i>Event</i>	<i>Participants</i>	<i>Location</i>
07:00 – 08:30	Breakfast	All	Baronet 123
07:00 – 08:00	Executive Session No. 2 (if required)	Delegates, Alternates	Baronet 456
08:00 – 11:30	Business Meeting No. 3	Delegates, Alternates, Reg. Officers <i>All are welcome</i>	Baronet 456
	1. Call to Order 2. ASHRAE Code of Ethics 3. Workshop Reports including	J. Clarke J. Clarke	

HALIFAX CRC 2019 AGENDA

	<p>Motions (5 minutes max)</p> <ul style="list-style-type: none"> a. CTTC b. SA c. GAC d. RP e. Historian f. CC g. RMCR h. YEA i. MP <p>4. Report from Executive Sessions</p> <p>5. Finances</p> <p>6. Approval of 2018 Windsor CRC Financial Statement</p> <p>7. Approval for 2019-2020 Region II Budget</p> <p>8. Region II Audit 2018-2019</p> <p>9. CRC 2020 Ville de Quebec Budget Approval</p> <p>10. Motions</p> <p>11. DRC / RVC Chapter visit schedule for the year</p> <p>12. New Business</p> <p>13. Website</p> <p>14. Basecamp</p> <p>15. Chapter opportunity fund</p> <p>16. CRC dates for the next three years</p> <ul style="list-style-type: none"> a. Ville de Quebec: Aug 21-24, 2020 b. Ottawa: Aug 27-29, 2021 c. London: Aug 2022 d. Toronto: Aug 2023 <p>17. Final Remarks</p> <p>18. Meeting Adjournment</p>	<p>D. Redmond</p> <p>M. A. Dao</p> <p>R. Hoadley</p> <p>M. Lawrence</p> <p>T. Pollard</p> <p>T. Pollard</p> <p>R. Gagnon</p> <p>A. T. Gagnon</p> <p>G. Lussier</p> <p>N. Lemire</p> <p>J. Clarke</p> <p>M. Lawrence</p> <p>J. Clarke</p> <p>M. Lawrence</p> <p>G. Perrault</p> <p>R. Gagnon</p> <p>J. Clarke</p> <p>J. Clarke</p> <p>T. Pollard</p> <p>T. Pollard</p> <p>J. Clarke</p> <p>J. Clarke</p> <p>D. Cochrane</p> <p>J. Clarke</p> <p>J. Clarke</p>	
9:45 – 10:00	Break	Full, Partial	Baronet 123
11:45 – 13:00	CRC Debriefing	<p>DRC, ARC,</p> <p>ASHRAE Dignitaries</p> <p>Windsor CRC Chair,</p> <p>Halifax CRC Chair</p> <p><i>All are welcome</i></p>	Baronet 456

HALIFAX CRC 2019 AGENDA

(FOR COMPANIONS AND FAMILIES)

Day 1: Friday, August 23th

<i>Time</i>	<i>Event</i>	<i>Participants</i>	<i>Location</i>
07:00 – 08:30	Breakfast	Full Family, Full Companion	Baronet 123
07:00 – 18:00	CRC Registration	All	Coat Check
12:00 – 13:00	Lunch	Full, Full Family, Full Companion	Baronet 123
12:15 - 16:00	Peggy's Cove Tour 12:15 - Meet in the lobby 1:00 - The bus leaves. 4:00 - Arrival back at the Maritime Museum.	Ticketed event	Hotel Lobby
17:30 – 21:00	Pool Party	Family	Harbourview
17:45 – 21:00	Welcome Party 5:45 - Wine/beer served. 6:15 - Buffet available. 7:45 - Welcome address and awards. 10:00 – Closing.	All	Bluenose
21:30 – 23:00	Hospitality Suite	Adults only	Harbourview

Day 2: Saturday, August 24th

<i>Time</i>	<i>Event</i>	<i>Participants</i>	<i>Location</i>
07:00 – 08:30	Breakfast	All	Baronet 123
07:30 – 17:00	CRC Registration	All	Coat Check
08:30 – 18:00	FamFest Event 8:30 - Hands-on activities 12:00 - Picnic lunch 1:00 - Tour of the Discovery Centre	Family	Harbourview / Offsite
10:30 – 16:00	Companion Event 10:00 - Meet in the lobby 12:00 - Lunch 1:30 - Seaport Market 2:00 - Tour Canada's Museum of Immigration at Pier 21 . 4:00 - Back to the hotel.	Companion	Hotel Lobby / Offsite
18:00 – 23:00	Party Like Its 1819 6:00 - Meet in the lobby	All	Hotel Lobby / Offsite

HALIFAX CRC 2019 AGENDA

(FOR COMPANIONS AND FAMILIES)

	6:15 - Arrive at the fort. 6:30 - Band The Front 7:15 - Announcements and cannon firing! 7:30 - Buffet begins, and Band Height Requirement 9:30 - Buffet ends 11:00 – Closing		
21:30 – 23:00	Hospitality Suite	Adults only	Harbourview

Day 3: Sunday, August 25th

<i>Time</i>	<i>Event</i>	<i>Participants</i>	<i>Location</i>
07:00 – 08:30	Breakfast	All	Baronet 123
9:45 – 10:00	Break	Full, Partial	Baronet 123
11:45 – 13:00	Debriefing	<i>All are welcome</i>	Baronet 456

REGION II FALL CRC MOTIONS

Last Revised: 06/11/2019

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).

Status: This motion was referred to Accounting and IT staff to determine feasibility and costs. **(Open)**

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):

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: 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.

Status: This motion was referred to Technology Council. Technology Council referred this motion to TC 8.7 with copy to the TAC Chair. **(Open)**

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)**

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 to 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):

That ASHRAE establish a Standard Method for Testing the Mist Removal Efficiency and Air Flow Resistance of Oil Mist Collectors.

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 from 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 year's 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 functionality 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

#117 - NB/PEI Chapter

#100 - Halifax 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

ASHRAE Region 2 - Chapter Statistics

	Halifax				NB-PEI				Quebec				Montreal				Ottawa				Toronto				Hamilton				London				Windsor				2016 TOTALS	2018 TOTALS		
	2015-2016	2016-2017	2017-2018	2018-2019	2015-2016	2016-2017	2017-2018	2018-2019	2015-2016	2016-2017	2017-2018	2018-2019	2015-2016	2016-2017	2017-2018	2018-2019	2015-2016	2016-2017	2017-2018	2018-2019	2015-2016	2016-2017	2017-2018	2018-2019	2015-2016	2016-2017	2017-2018	2018-2019	2015-2016	2016-2017	2017-2018	2018-2019	2016 TOTALS	2018 TOTALS						
Membership Promotion																																								
Area Assigned Members	178	182	181	181	167	185	155	155	184	172	171	169	564	556	551	561	403	406	460	427	1133	1109	1109	1109	286	257	257	270	128	128	128	126	64	64	65	65	3107	3059		
Chapter Dues Paying Members	110	130	116	115	167	185	155	155	107	117	112	107	364	333	338	356	236	237	288	326	505	549	467	463	127	157	149	82	84	88	95	50	49	50	54	1748	1811			
# of New Members	22	23	26	16	16	9	11	16	17	16	14	19	55	61	56	54	32	43	45	44	113	102	106	6	21	10	11	11	0	2	5	9	6	5	8	285	272			
# of Delinquents	3	10	14	10	11	5	16	24	8	7	9	14	80	76	65	31	28	28	31	46	124	111	134	107	29	8	9	15	0	0	0	11	2	3	4	285	248			
Student Activities																																								
# of New Students	19	29	21	3	11	25	9	19	52	60	58	44	152	150	134	72	84	26	24	29	166	101	108	15	21	11	27	32	27	21	35	41	31	12	25	10	513	437		
# of Student Branches	1	1	1	1	2	2	2	2	1	2	3	8	4	7	7	8	2	2	2 (+2)	3 (+1)	7	7	8	1	1	1	1	1	1	1	1	1	1	1	1	25	24			
Advisors that are Members	1	1	1	1	2	2	2	2	2	2	2	4	4	4	8	8	2	2	Yes	4	1	Yes	Yes	4	1	1	1	2	1	1	1	1	1	1	1	19	17			
CTTC																																								
# of Regular Meetings	8	8	8	8	7	9	5	8	7	7	7	7	8	8	8	8	8	8	8	8	7	7	7	8	8	8	8	10	8	8	8	8	8	9	7	7	7			
Average Attendance	25	25	28	29	15	20	30	20	82	86	65	75	179	156	150	136	65	63	61	67	100	107	112	85	35	36	62	35	45	45	45	45	22	24	25	26				
# of Other Tech. Events	1	1	1	2	2	0	4	2	3	4	3	3	9	16	7	14	6	6	3	2	5	7	7	7	4	0	1	1	1	1	1	1	1	1	1					
# of Distinguished Lecturer* used	1	1	1	1	2	2	2	1	1	0	1	0	2	2	2	2	1	3	4	4	1	2	2	2	2	2	4	2	2	2	2	2	2	2	2	14				
# of Social Events	3	3	3	3	2	6	3	3	3	3	3	2	6	6	9	8	8	9	9	4	4	8	8	8	3	3	3	3	3	3	3	3	3	3	3	12				
# of Refrigeration events	0	0	1	2	2	1	2	2	1	1	1	1	2	2	2	2	0	2	0	1	0	1	1	0	1	0	1	0	1	0	1	1	1	0	0	1				
# of Chapter Technology Awards (Chapter, Region, Society)	0	0	0	0	0	0,0,1 submitted	0	0	0,0,0	2	2	0,0,0	8,8, to come	3 won/ 6	4,3,2	(5,5,4)	6	3	3	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0				
Finances																																								
Total Funds Balance (as of July 1)	\$ 34,000.00	\$ 25,475.01	\$ 26,545.33	\$ 44,228.39	\$ 4,536.35	\$ 43,663.79	\$ 11,610.00	\$ 58,920.81	\$ 66,166.72	\$ 15,007.00	\$ 25,013.71	\$ 56,176.79	\$ 72,491.00	\$ 56,313.00	\$ 85,919.00	\$ 81,778.00	\$ 31,616.00	\$ 41,538.72	\$ 25,085.65	\$ 77,201.59	\$ 95,000.00	\$ 81,802.00	\$ 81,331.27	\$ 83,841.00	\$ 23,132.21	\$ 29,828.00	\$ 31,870.96	\$ 62,989.61	\$ 20,403.78	\$ 14,627.49	\$ 21,728.00	\$ 21,520.00	\$ 9,954.19	\$ 14,184.00	\$ 22,527.00	\$ 26,611.00	\$ 326,112.55	\$ 280,942.29	\$ 331,718.91	\$ 512,907.13
Chapter Dues/Per Member	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00	\$ 45.00		
Members Cost of Meals	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00		
Non Member Cost of Meals	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 30.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 30.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00		
Date of Last Chapter Audit	2015-09-01	2016-09-01	2017-10-24	2018-09-28	2016-06-12	Ongoing	Ongoing	2019-08-16	2016-06-01	2016-06-01	2014-05-13	2018-10-26	2015-12-01	2016-12-01	2018-06-01	to come	26/05/2015	Feb-18	Apr-19	2016-07-01	2017-08-12	2017-08-12	2015-08-08	2015-07-06	2016-11-01	2018-09-17	2018-08-17	2016-07-06	2017-09-16	2017-08-16	2017-08-16	2016-10-15	2017-09-23	2017-09-19	07/23/2019	NOTE: AUDIT DATES TO BE UPDATED!				

NOTE
chapters to fill in the column for their chapter
and then save back with a New File Name
upload back to basecamp so that all the reports can be compiled into one new table

REGION II

2018-2019 Presidential Award of Excellence

*Minimum and PAR points indicated are for 2018-2019

Chapter #	Chapter Name	Assigned Members	Membership Promotion Min 500 PAR 800	Student Activities Min 300 PAR 500	RP Min 800 PAR 1050	Historical Min 100 PAR 300	Communication Min 250 PAR 600	Chapter Operations Min 600 PAR 1200	Chapter Technology Transfer Min 550 PAR 1050	Grassroots Government Advocacy Min 500 PAR 650	PAOE Point Totals
13	QUEBEC	176	900	3282	4408	350	611	1240	2625	650	14066
14	MONTREAL	563	2360	5159	1625	500	490	2225	2800	1310	16469
15	OTTAWA	438	1075	1395	3132	1000	725	1440	1600	800	11167
16	TORONTO	1098	2110	3433	1480	550	1174	3575	2925	1550	16797
37	HAMILTON	274	1310	1436	1430	1000	310	2460	1525	2555	12026
100	HALIFAX	181	1366	439	2549	325	324	1680	1775	200	8658
116	LONDON	123	1535	625	1156	450	795	1420	1500	500	7981
117	NB/PEI	151	1090	575	2817	200	330	1345	725	250	7332
141	WINDSOR	68	1443	660	3840	425	574	975	700	750	9367

ASHRAE

NB/PEI Chapter

Chapter# 117

Activity Report

Year 2018-2019

Chapter President : Yves Savoie



REGION II - 2019 CRC
NB/PEI CHAPTER REPORT

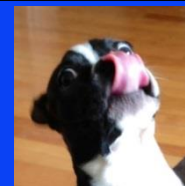


List of Chapter BOG & Officers for 2018-2019

1. Yves Savoie - President
2. President Elect – Ryan Gosson
3. Dan Boudreau – Vice President
4. Kevin Clannon - Treasurer
5. Secretary – Chantal Daigle-Verrier
6. Membership Promotion – Kevin Bregel
7. Research Promotion – Dan El-Khoury
8. Student Activities – Ted White
9. Historian – Kevin Leger
10. CTTC – Matthew Peachman
11. Newsletter – Jason El-Khoury
12. Webmaster – Mike Boudreau
13. YEA – Ben Roundell
14. GAC – Jarrett Steele
15. Shelby Gallant – BOG
16. John Wilden - BOG



REGION II - 2019 CRC
NB/PEI CHAPTER REPORT



Other Technical Events beside chapter meetings

1. Eco360 Waste management tour (Biomass Heating Plant)
2. Technical presentation by Chris Mathis (ASHRAE Distinguished Lecturer)



YEA/SA Activities

1. Student Night
2. Shelby Gallant attended the Atlanta Conference through the “LeaDRS” program.
3. Kevin Bregel attended the YEA Leadership weekend in Portland.



Social Events

1. Moncton Wildcats game
2. June social/past presidents night
3. Christmas Social / RP night at the Alma City Club, Moncton
4. Annual Chapter Golf Tournament, at Moncton Golf Club in July 2019



Research Promotion/Fundraising

Chapter Goal	\$14,900
Total Dollars Raised	\$15,178.66

Number of Chapter Members = 152

Dollars Raised per Chapter Member = \$100



Chapter Finances

- **Chapter Bank Balance = \$58,920.81
as of July 1/2019**
- **Date of Last Audit = 2019/08/16**



New things implemented during the year:

1. Addition of chair committee's (RP, Membership, YEA)
2. Incorporating QuickBooks into the chapter accounting
3. Switching bank account from small credit union to nation-wide bank



Challenges:

1. Spread of chapter members across two provinces
2. Spread of board member across the province
3. Low social activities turnout
4. Difficulty with accounting prior to Quickbooks
5. Finalizing audit



Things the Chapter is most proud of:

1. CRC Windsor turn-out
2. Exceeding RP goal
3. Continuation of involvement from long-term chapter members
4. Rob Hoadley taking on RVC position



What about next year 2019-2020?

1. Strengthen Student Chapters – Especially at UNB and U de Moncton (Establish liaison with new UdeM Prof and discuss new Student Branch).
2. Meet with provincial MLA in 2019-2020 as part of GAC.
3. Plan social events in 3 of our major cities (Saint John, Moncton, Fredericton)
4. Hold chapter meeting in either Saint John or Moncton
5. Ensure monthly newsletter is sent out prior to every chapter meeting.



ASHRAE

Halifax Chapter

Chapter# 100

Activity Report

Year 2018-2019

Chapter President : Jason Leadbetter

List of Chapter BOG & Officers for 2018-2019

1. President: Daniel Egilsson
2. President Elect: Jason Leadbetter
3. Treasurer: Tom Kendell
4. Secretary: Brandon Cosman / Ken Mathekal
5. Art Irwin
6. Dan Egilsson
7. Steven Ramsay
8. Mark Lawrence
9. Troy Drosebeck
10. Darrell Amirault
11. Aaron Smith

List of Chapter BOG & Officers for 2018-2019

1. MP: Chris Ruddick
2. CTTC: Marc Rossignol
3. RP: Jarid Wilson
4. YEA: Daniel Morris
5. Student Activities: Banpreet Singh Shaney
6. GGAC: Troy Greene

Other Technical Events Beside Chapter Meetings

1. IKEA Technical Tour in November
2. YEA Curling Event with Refrigeration Plant Tour



IKEA Technical Tour



YEA Curling Event – Refrigeration tour

YEA/SA Activities

1. YEA Curling Social with a Refrigeration Tour
2. Chapter sent an individual to YEA Weekend (Portland)
3. Student Networking/Presentation (DAL/NSCC)
4. Sent YEA Chair to YEA Leadership Weekend

Social Events

1. IKEA Technical Tour
2. Christmas Social at TimberLounge
3. March Meeting (Networking Event) Joint with CAGBC
4. YEA Curling Social
5. Golf Tournament



March Joint Event w/ CaGBC



Golf Tournament

Research Promotion/Fundraising

Chapter Goal **\$12,600.00**

Total Dollars Raised **\$13,326.42**

Number of Chapter Members = 115

Dollars Raised per Chapter Member = \$115.89

Chapter Finances

- **Chapter Bank Balance = \$ \$44,228.39 (\$61,903)
as of July 1/2019**
- **Date of Last Audit = 2018/09/28
(audit must be completed each year)**

New Things Implemented During the Year:

1. Built network of contacts at sister organizations (Lara at CAGBC, Cynthia at NSCC, Hailey at Efficiency NS, etc.)
2. Began process of formally registering as a not for profit

Challenges:

1. Board Member attendance at BOG meetings
2. University Student participation (community colleges were always well-represented)
3. Scholarship applications
4. Reconciliation of old invoices
5. Tax compliance and enrolment as a non-for-profit entity

Things the Chapter is most proud of:

1. CTTC Chair's PAOE performance
2. Exceeding RP and CRC Fund Raising Targets
3. Chapter Oppy Fund (\$2k)
4. Student Networking Event
5. Co-hosting Chapter Event with CAGBC
6. Continuing loyalty and support through Dan E's second consecutive year!

What about next year 2019-2020?

1. Regular PAOE progress tracking & focus
 1. Mentor/Alternates supporting new chairs
2. Expand nominating committee & succession planning
3. Finalize not for profit registration & supporting activities
4. Partner Organizations & Joint Meetings – e.g. CANS
5. Regain student chapter advisor and/or add student chapter
6. Update by-laws and implement e-votes to avoid quorum issues
(often only 1-2 members short to permit voting at BOG meetings)

ASHRAE

Ville de Québec Chapter

Chapter# 013

Activity Report

Year 2018-2019

Chapter President : Andr  a Daigle

List of Chapter BOG & Officers for 2018-2019

Chapter Board of Governors	Mr Jean R Bundock, PE
Chapter Board of Governors	Mr Raynald Courtemanche
Chapter Board of Governors	Mr Andre Labonte
Chapter Board of Governors	Mr Jean-Luc Morin, PE
Chapter Board of Governors	Mr Charles-Andre Munger, PE
Chapter Board of Governors	Mr Guy Perreault
Chapter Board of Governors	Mr Joel C Primeau
Chapter Board of Governors	Mr Yves Trudel

Chapter President / Delegate	Mr Andrea Daigle
Chapter President Elect / Alternate	Laurence Boulet
Chapter Vice President	Mr Joel C Primeau
Chapter YEA Chair	Mr Etienne Lemay
Chapter Membership Promotion Chair	Mr Guillaume Cormier
Chapter Secretary	Mrs Solange Levesque
Chapter Treasurer	Mr Yves Trudel
Chapter Technology Transfer Chair	Mr Maxime Boivin
Chapter Government Affairs Chair	Mr Jean R Bundock, PE
Chapter Research Promotion Chair	Mr Dave Bouchard
Chapter Student Activities Chair	Mr Olivier Bernier
Chapter Historian	Mr Tomas McLaughlin Piche
Chapter Newsletter Editor	Mr Olivier Potvin
Chapter Refrigeration	Mr David Gauvin, P. Eng.
Chapter Webmaster	Mr Samuel Cloutier

Other Technical Events beside chapter meetings

1. Contech participation
2. Symposium (May 6th)
3. AIEQ (*Association de l'Industrie Électrique du Québec*) Hydro Québec production PDG conference

Student Activities 1/2

➤ Colleges & Universities ASHRAE promotion:

- Goal: Promote ASHRAE and key ASHRAE's standards
- 3 training sessions to Université Laval
- 3 training sessions to Cégep Limoilou

➤ Remote area college invitation to ASHRAE

- Goal: Allow students and teachers from remote college (250 Km) to attend the ASHRAE conference dinner
- We paid the transportation costs for 20 teachers & students from Jonquiere college

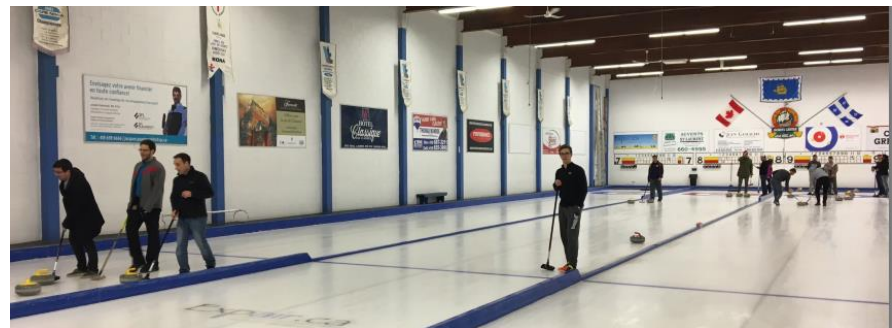
➤ SmartStart program

- Goal: ASHRAE events promotion to students
- Advertising on the SmartStart program was done several times to promote ASHRAE activities

➤ Yea Leadership weekend participation

YEA Activities

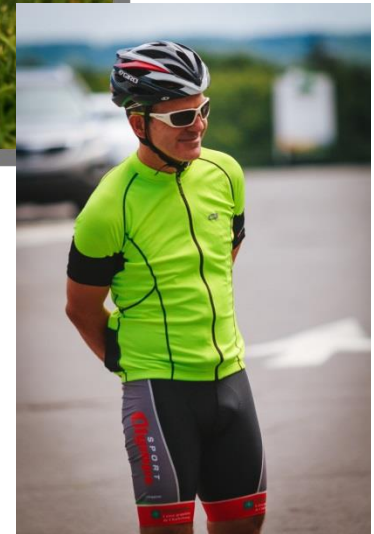
- Football
- Curling tournament
- Bowling tournament



Social Events

➤ Annual golf tournament and bike ride

- 156 golfers
- 20 bikers
- 200 people at the dinner



Research Promotion/Fundraising

Chapter Goal : \$16 100

Total Dollars Raised : \$20 329

Number of Chapter Members: 167

Dollars Raised per Chapter Member: 121,73 \$

Chapter Finances

- **Chapter Bank Balances** (of July 1/2019): **\$ 56 176,73**
- **Date of Last Audit:** **2018/10/26**

New things implemented during the year:

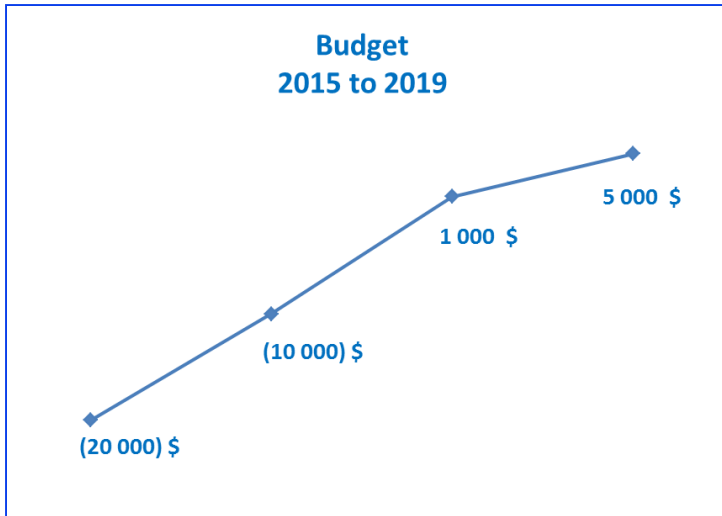
- Use of the social media like LinkedIn to promote our events
- We now have a marketing specialist to help us promote some of our events

Challenges:

- **Online events registration system**
 - Find out a new online events registration system (RegOnline will be closed)
- **Engineering firms**
 - Participation
- **Membership**
 - Increase membership
- **Budget**
 - Keep it balanced
- **Meeting attendance**

Things you are the most proud of:

➤ Budget



➤ YEA & Student comities

- Very proactive !
- YEA involvement

Things you are the most proud of:

➤ Golf tournament and bicycling activities

- Successfull year after year

➤ Research promotion

- + 126,3% vs our goal

➤ CTTC

- Successful symposium
- 7 x successful dinner conferences

What about next year 2019-2020?

1. Quebec's CRC 2020 organisation
2. More participation from engineering firms
3. Keep our students branch active and motivated
4. Increase membership and retain members
5. Increase meeting attendance

Montreal Chapter #014

Activity Report Year 2018-2019

Chapter President : Francis Lacharité ing. MBA





List of Chapter BOG & Officers for 2018-2019

1. Francis Lacharité, President
2. Jean-Sébastien Trudel, President Elec
3. Audrey Dupuis, VP
4. Mathieu Rondeau, Tresory
5. Mai Anh Dao, Secretary
6. Simon Khaled, Past President and RP Chair
7. Ahmed Aboueich
8. Marc Beauchemin
9. Ronald Gagnon



List of Chapter BOG & Officers for 2018-2019

10. Jean-Gabriel Joannette
11. Anthony Jonkov
12. André Labonté
13. Isabelle Lavoie
14. Samuel Lavoie
15. Nicolas Lemire
16. Geneviève Lussier
17. Caroline Paquet
18. Sonia Pournazari



List of Chapter BOG & Officers for 2018-2019

- 19. Daniel Robert
- 20. Nicolas Sovran
- 21. Sean Teixeira



Other Technical Events beside chapter meetings

1. Technical tours YEA/Student (Fall 2018 and spring 2019)
2. Webecast Conference (April 2019)
3. Speaker at MCEE Expo (April 2019)
4. Speaker at Contech Expo (Fall 2018)
5. Sustainable Development Seminar (March 2019)

CONCEPTION ET CONSIDÉRATION LORS D'UTILISATION DE BIOGAZ DANS UNE CHAUFFERIE

Les propriétés du biogaz étant différentes de celles du gaz naturel, il est important de comprendre les caractéristiques propres de ce combustible et leurs impacts dans le choix des équipements, du brûleur et du réseau. La présentation permettra de comprendre les différences et les impacts dans une chaufferie afin de fournir des pistes de solutions lors de la conception et de l'utilisation de ces systèmes.

Conférence présentée en
collaboration avec



Conférencier

Francis Lacharité, ing., MBA, PA LEED,
directeur des ventes, Services
Énergétiques R.L.

BIOGRAPHIE



Conférencier

Michel Rhéaume, Services Énergétiques
R.L.

BIOGRAPHIE



YEA/SA Activities

1. Building mechanics discovery day – Vanier College
2. 4 x WIA breakfast with speaker (Leadership, soft skill or panel)
3. ASHRAE Montreal Career fair
4. Soccer tournament
5. Speed networking for students
6. K12- Activities
7. Student Scholarship Contest



Social Events

1. Golf, wine and bike tournament, June 2019
2. Volunteers' Christmas dinner, December 2018



Research Promotion/Fundraising

Chapter Goal	\$34 000 \$
Total Dollars Raised	\$33 502* \$

Number of Chapter Members = 561

Dollars Raised per Chapter Member = \$59,71\$



Chapter Finances

- **Chapter Bank Balance = \$81 778
as of July 1/2019**
- **Date of Last Audit = 2018/06/01 (next
expected in September)**



New things implemented during the year:

1. Basecamp communication improvement
2. Mentor improvement
3. Meeting sponsor
4. We have gathered the table top offer with publicity and offering more bulk
5. We have start merging the Web and Edition since both content are online
6. Building mechanics discovery day – Vanier College



Challenges:

1. Getting thing on the WEB On time
2. Getting the people out of work, more attendace
3. Getting money for research (less donation in amount of money)
4. Accounting, succession plan and ajustement
5. Lost control of Linkedin page



Things the Chapter is most proud of:

1. Program was broad and attendance was from various background.
New faces
2. Vanier college discovery day
3. Chapter Scholarship found
4. Getting the budget in the black



What about next year 2019-2020?

1. Leadership stability (Francis still in command)
2. Majority of women at the leadership (executive level)
3. WIA
4. Strengthening leadership, procedure, and volunteer base
5. Refrigeration seminar in collaboration with CETAF
6. Creating new research and promotion product
7. Complete scholarship found buy-in
8. Getter other association to get more student in science and HVAC.
All level (K-12, tech school, Engineering and HVAC)



Ottawa Valley Chapter #015

Activity Report Year 2018-2019

Chapter President : Dan Redmond



**REGION II - 2019 CRC
OTTAWA CHAPTER REPORT**



List of Chapter BOG & Officers for 2018-2019

1. Past President – Adam Graham
2. President – Dan Redmond
3. President Elect – Aaron Dobson
4. Treasurer – Adam Moons
5. Secretary – Adrienne Mitani
6. Governor – Jacob Hough
7. Governor – Joe Della Valle
8. Governor – Celine Baribeau
9. Governor – Chris Frauley
10. Governor – Peter Shaw-Wood



REGION II - 2019 CRC
OTTAWA CHAPTER REPORT



Other Technical Events beside chapter meetings

1. Technical Seminar – The European Approach to Decrease Energy Consumption in Buildings (May)
2. Technical Seminar – Business Development (March)



YEA Activities

1. Social Event – Axe Throwing (May)
2. Social Event – Archery Tag (February)
3. Social Event – CFL Game (October)



Social Events

1. Stroke Play Golf Tournament (Sept)
2. Bowling Social (Nov)
3. Curling Bonspiel (Mar)
4. Best Ball Golf Tournament (Jun)



Research Promotion/Fundraising

Chapter Goal **\$34,300**

Total Dollars Raised **\$37,700**

Number of Chapter Members = 427

Dollars Raised per Chapter Member = \$88



Chapter Finances

- **Chapter Bank Balance = \$92,667.17
as of July 1/2019**
- **Date of Last Audit = April 29, 2019**



New things implemented during the year:

1. K-12 exposure to local Chapter
2. New Seminar Chair position
3. New Woman in Engineering group
4. Awarded first OVC Society Scholarship



Challenges:

1. Succession planning for Chair and Executive positions
2. BOG member progression to Executive
3. Volunteer accountability
4. Conflicts of monthly meetings with other events
5. Getting local Consulting community to support their employees in attending meetings
6. High bank balance



Things you are the most proud of:

1. OVC Society Scholarship
2. Consistent new volunteers
3. Successful RP campaigns (Awarded Williams J Collins award – second year in a row) - \$225,000 raised in last 5 years.
4. Visits from Society Presidents and DLs
5. Sheila Hayter and Darryl Boyce – Promoting ASHRAE with testimony for Standing Committee on Natural Resources (House of Commons)
6. Member representation at Region and Society level
7. YEA member involvement



What about next year 2019-2020?

1. Start of new Endowment Fund for funding YEA events
2. Building social media presence for local Chapter
3. Continued focus on collaboration with other organizations
4. Supporting local schools with Student Design Competitions, Tech Talks and Regional Science Fair
5. K-12 education on ASHRAE
6. CRC 2021 planning
7. Change up regular meeting dates to increase attendance
8. Woman in Engineering networking group

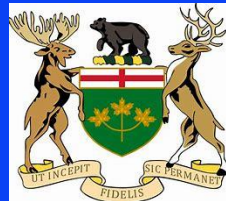


Toronto Chapter Activity Report Year 2018-2019

Chapter President : Antonio Figueiredo



REGION II - 2019 CRC
TORONTO CHAPTER REPORT



List of Chapter BOG & Officers for 2018-2019

Past President/ RP

President

President Elect

Vice-President

Treasurer

History

Secretary /CTTC Co-Chair

Board Members

Board Members

CTTC Co-Chair

YEA Chair

YEA Co-Chair

Membership Promotion Chair

Communications

Student Activities

Student Activities

Student Activities Mentor

GAC Chair

Refrigeration

Gazette

Golf Chair

Women In Engineering

Michael Genin

Antonio Figueiredo

Brendan McDermott

Abhishek Khurana

Kurt Monteiro

Niss Feiner

Beatriz Salazar

David Sinclair

Dragos Paraschiv

Jamie Fine

Alekhy Kaianathbhatta

Badri Patel

Thinusha Param

Brendan McDermott

Pedro Hoffman

Kajen J

Peter Turk

John Cusato

Azadeh Ghadimi

Anne-Marie Bundgard

Leo Borges

Leila Meema-Colemand



REGION II - 2019 CRC TORONTO CHAPTER REPORT



Other Technical Events beside chapter meetings

1. October – Student Night/CAGBC Dr. Stephanie Taylor & Louie
2. November - ASHRAE Toronto / TSMCA Trade Show (4th Annual)
 1. Refrigeration Event
3. January – Past President , DL Luke Leung
4. February – Career Fair
5. March – BOMA ASHRAE Joint Webinar
 1. Breakfast Seminar with Bjarne Olesen PH.D.
6. April – Joint Meeting with Hamilton
7. May – Building standard panel

YEA Activities

1. November Pub Night

Social Events

1. Decemberfest
2. June – Golf / Cycling Tournament
3. Refrigeration Skating

Research Promotion/Fundraising

Chapter Goal **\$43,000**

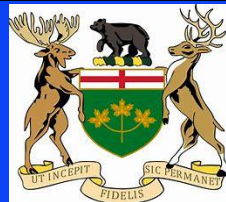
Total Dollars Raised **\$40,000**

Number of Chapter Members = 463

Dollars Raised per Chapter Member = \$86.39



REGION II - 2019 CRC
TORONTO CHAPTER REPORT



Chapter Finances

- **Chapter Bank Balance = \$19,486.43
as of August 1 - 2019**
- **Date of Last Audit = August 2015**

New things implemented during the year:

1. #ASHRAEafterhours
2. Chapter Sponsorship Program going well
3. Women in ASHRAE Committee
4. Date and venue for annual Career Fair booked in July 27

Challenges:

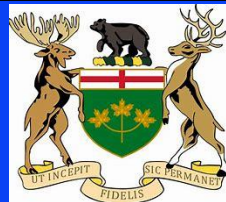
1. Working on a Toronto Chapter Coat of Arms

Things you are the most proud of:

1. #ASHRAEafterhours
2. Chapter Sponsorship Program
3. Women in ASHRAE Event, Julia Keen speaking once again
4. Improvements with online outreach, communications, social media
5. Leadership / Board offsite meeting



REGION II - 2019 CRC
TORONTO CHAPTER REPORT



What about next year 2019-2020?

1. Outreach – every meeting will be a joint –association meeting
2. Customer service – better handling of support emails, registration issues
3. Continue with social media outreach on a more regular basis
4. Experiment with broadcasting dinner meetings online
5. Expand on the RP Sponsorship program – annual / renewal packages
6. Formal procedure for handling new volunteers
7. Better Mentorship program

ASHRAE

Hamilton Chapter

Chapter #037

Activity Report

Year 2018-2019

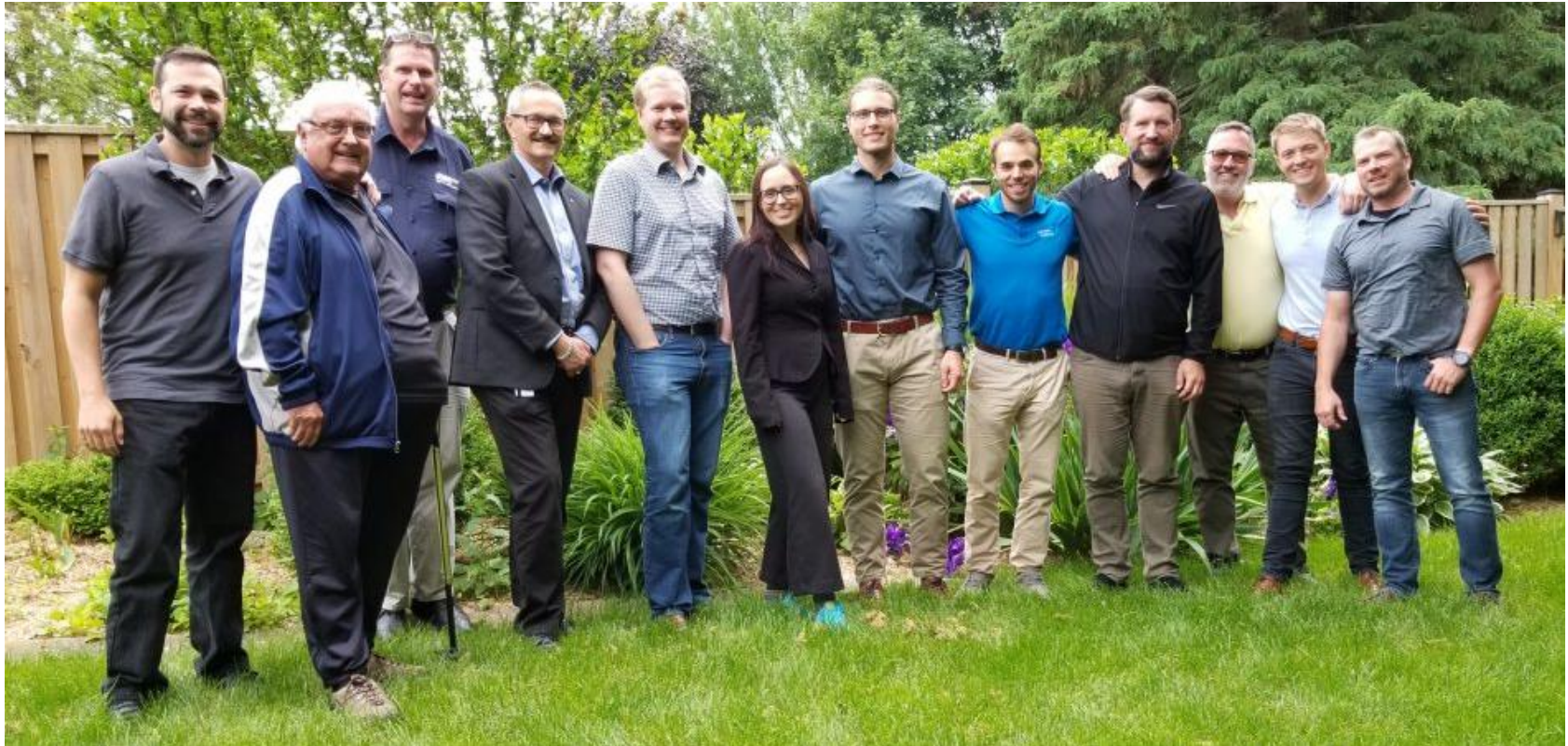
Chapter President : Iain Hill



REGION II - 2019 CRC
HAMILTON CHAPTER REPORT



List of Chapter BOG & Officers for 2018-2019



List of Chapter BOG & Officers for 2018-2019

1. President: Iain Hill, LEED AP
2. President-Elect, Government Affairs: Robyn Ellis, B.Eng., CFM
3. Treasurer: Aaron Besseling
4. Secretary: Stan Holko
5. Student Activities: Mark Long
6. Young Engineers in ASHRAE: Marco Ciallella
7. Chapter Technology Transfer Committee: Mitchell Rohrer
8. Membership Promotion: Reaz Usmanali, B.Eng., LEED AP
9. Research Promotion: Frank Mesicek
10. Historian: George Menzies, P.Eng.
11. Airways Editor: Christopher Hofland, P.Eng.
12. Webmaster: Jeremy Stockmans
13. Social Events: David Rasmussen, C.E.T.



REGION II - 2019 CRC
HAMILTON CHAPTER REPORT



Other Technical Events beside chapter meetings



1. Tour of Canadian Warplane Museum
2. YEA Event – Habitat for Humanity Build Day
3. Sponsored students to attend CRC with Opportunity Fund



YEA/SA Activities

1. Student Membership Promotion: Motion to cover membership fee of student members in order to promote our students. Motion passed unanimously.
2. Sponsored students to attend CRC
3. Student membership is up this year from last year.
4. Conestoga achieved student branch.
5. John Molnar was K-12 champion.
6. 52 Current Members fall into the YEA category



Social Events

Curling Social
December 2018



Horse Race Social
May 2019



Scramble Golf Tournament
June 2019



Research Promotion/Fundraising

- **Chapter Goal** \$10,800
- **Total Dollars Raised** \$9,508

- **Number of Chapter Members = 149**
- **Dollars Raised per Chapter Member = \$63.81**



Chapter Finances

- **Chapter Bank Balance = \$62,989.61
as of July 1/2019**

*[note impact of having cashed a GIC. Working towards a society managed chapter scholarship fund]

- **Date of Last Audit = 8/17/2018**



New things implemented during the year:

1. Condensed exec meeting: keep it to one hour and start directly before chapter meeting
2. Exec meeting held outside of the chapter meeting space:
Solves past awkwardness for members walking in while exec in progress.
3. Student member acting as greeter.



Challenges:

- YEA committee chair was absent for majority of year (ghosted the chapter), so no YEA communication/activities
- Growing a membership that attends the chapter meetings
- Maintaining membership - we have noticed a steady turnover in our area in membership. Similar number of people are either leaving the industry or moving out of the area basically matches the new members moving into the area and joining the chapter



Things the Chapter is most proud of:

1. A New Chapter Record: 4 DL's for the year (1 shared with Toronto for the joint meeting)!
2. John Molnar receiving a Society Distinguished Service Award



3. Sent 2 members to Leadership U: Frank Mesicek and Mitchell Rohrer
4. Sponsored 3 students to attend CRC (including 2 Student Branch Chapter Presidents)



What about next year 2019-2020?

1. Work towards establishing student scholarship fund (Society - \$30k investment).
2. Get YEA back on track.
3. Find new faculty advisor for McMaster student branch (current advisor is MIA due to workload)
4. Finally figure this president (Hilltatorship) thing out by the time my term ends!



London Chapter #116

Activity Report Year 2018-2019

Chapter President : John Freeman



List of Chapter BOG & Officers for 2018-2019

1. John Freeman, President
2. James Scudamore, Vice-President
3. Phil Cook, RP Chair
4. Andrew Crowley, Treasurer
5. Kate Mayberry, Secretary
6. Rajan Deenath, MP Chair
7. Glenn Kernaghan, Student Activities Chair
8. Eric Shaw, Historian
9. Matt Moore, CTTC Chair
10. Jeff Armstrong, YEA Chair
11. Tom Pollard, Electronic Communications
12. Alex Somers, GGAC Chair
13. Andrew Crowley, Refrigeration Chair
14. John F./Alex Somers, Golf Tournament Chair



YEA Activities

1. Toboggan Brewery Tour & Social
2. Junction rock climbing



Social Events

1. Christmas Social at Palasad
2. Complimentary Turkey Deep Fry for members who attended Webcast
3. Golf Tournament at Forest City National
4. After ASHRAE Monday night football



Research Promotion/Fundraising

Chapter Goal	\$13,900
Total Dollars Raised	\$9,750



**REGION II - 2019 CRC
LONDON CHAPTER REPORT**



Chapter Finances

- Chapter Bank Balance = \$21,520
as of July 1/2019
- Date of Last Audit = July 2017



New things implemented during the year:

1. Increased dinner meeting rates and golf course fee due to rising costs
2. Provided a complimentary turkey deep fry at the webcast to show appreciation to membership for their tolerance of these increased rates
3. Mixed up the BoG meetings location; various restaurants around sporting events to keep the volunteers interested
4. Added linkedin group for the London Chapter to share our stories
5. Changed golf tournament venue



Challenges:

1. Declining research donations and increasing goals set by region
2. Increased costs at venues
3. Need to have “up front” funds for pending CRC



Things you are the most proud of:

1. Incoming president Darryl Boyce visit
2. Continued strong student division attendance and membership
3. Sustained meeting attendance from previous years
4. Increased golf tournament attendance
5. LinkedIn implementation
6. Adding and engaging young membership to offset retiring individuals
7. Technical articles published by membership/BoG with our newsletter
8. Reinstating RP commitment for 2019/2020 from our largest donor
9. Breaking even on dinner meetings



What about next year 2018-2019?

1 Financial Health

- Made good progress last year with increased dinner fees, more cost effective venues and more appropriate chapter contributions to RP

2 Attack RP

- Hit goal without taking chapter funds

3 Web Presence

- Build on LinkedIn account, currently trialing new website



ASHRAE

Windsor Chapter

Chapter # 141

Activity Report

Year 2018-2019

Chapter President : Nathan Cook



REGION II - 2019 CRC

WINDSOR CHAPTER REPORT



List of Chapter BOG & Officers for 2018-2019

1. Nathan Cook, President
2. David Dufour, Vice President
3. Amanda Smith, Treasurer
4. Jamie Smith, Secretary
5. James Smith, BOG
6. Steve Koutsonicolas, BOG
7. Paul Greff, BOG
8. Dan Castellan, BOG

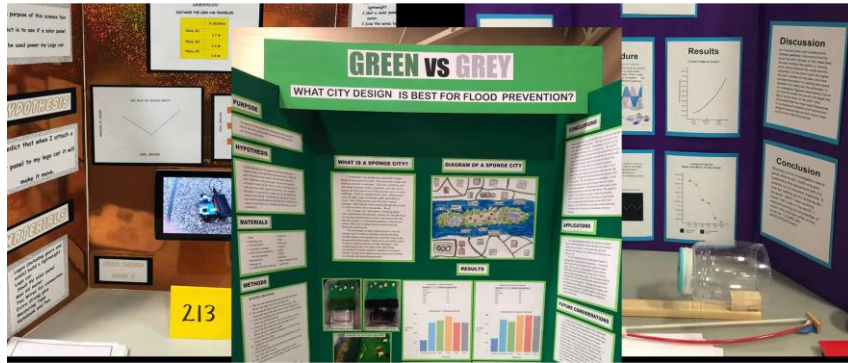
Other Technical Events beside chapter meetings

1. Webcast: 2019 ASHRAE Webcast to Focus on Industry's Transition to Low-GWP Refrigerants – Vollmer Boardroom
2. Opportunity Funds
 1. Representation by YEA member at the next CRC

YEA/SA Activities

1. University of Windsor ASHRAE Student Branch and IEEE Women in Engineering chapter – Hosted Dr. Stephanie Taylor “Health as a Building Metric”
2. Silver Tee Indoor Golf
3. Student Night at Caboto Club, Windsor
4. Windsor Regional Science Fair

ASHRAE Members sponsored, and judged



Social Events

1. Christmas Social, The Keg
2. ASHRAE Global Giveback
Provided food for Ronald McDonald House
Food sponsored by JASEL Engineering
3. CRC Social Events, Spagos



Research Promotion/Fundraising

Chapter Goal **\$7,800**

Total Dollars Raised **\$7,500**

Number of Chapter Members = 69

Dollars Raised per Chapter Member = \$113

Chapter Finances

- **Chapter Bank Balance = \$26,611.27
as of July 1/2019**
- **Date of Last Audit = 2019/07/23
(audit must be completed each year)**

New things implemented during the year:

1. ASHRAE Windsor Research Endowment

RP Endowment Fund for RP Contributions, Kudos to Paul Greff

Challenges:

1. Balancing CRC with normal year operations
 1. RP in the same year as CRC
 2. Maintaining momentum with CRC & Monthly Meetings – Burnout
2. Maintaining Chapter Membership
3. Younger Generations into Chapter Officer Positions

Information Download & Historical Agenda

Things the Chapter is most proud of:

1. ASHRAE WINDSOR Government Affairs Representative met with Federal Minister of Science & Sport Kirsty Duncan to discuss the capabilities and similar interests provided by ASHRAE Society

2. Successful CRC at Caesars Windsor

Special Thank you to James, Amanda & Support Team

3. Joint meeting with ASHRAE and the Association of Energy Engineers (AEE)

‘Why Buildings Matter and the Role of ASHRAE 90.1’

4. Another successful golf tournament

110 Golfers, Numerous Sponsors



REGION II - 2019 CRC
WINDSOR CHAPTER REPORT



What about next year 2019-2020?

1. Kick off Meeting Held July 23, 2019

2. Planning Ahead

RP, Student Activities, MP Pre-Planning

Golf Tournament, September 9th, 2019 Pointe West

3. CRC Attendance

8 individuals from Windsor registered for Halifax CRC

4. Centralized Training

MP – Florin Corcoz

RP – Nathan Cook

APPENDIX – D

RVC REPORTS

Historical

Government Affairs (GA)

Membership Promotion (MP)

Chapter Technical Transfer (CTT)

Research Promotion (RP)

Student Activities (SA)

Young Engineers In ASHRAE (YEA)

Communications Committee (CC)

ASHRAE Region 2 HISTORY

RVC : Tom Pollard

**Activity Report
Year 2018-2019**



REGION II - 2019 CRC

Tom Pollard - RVC History

HISTORY

PAOE Summary

Chapter	PAOE 2016/17	PAOE 2017/18		PAOE 2018/19	
Quebec	875	875	0	350	-525
Montreal	575	800	+225	500	-300
Ottawa Valley	475	1000	+525	1000	0
Toronto	500	875	+375	550	-825
Hamilton	450	450	0	1000	+550
Halifax	250	650	+400	325	-325
London (Canada)	450	500	+50	450	-50
NB/PEI	350	350	0	200	-150
Windsor	635	650	+15	425	-225

Min:100 PAR:300

Min:100 PAR:300



REGION II - 2019 CRC
Tom Pollard - RVC History

HISTORY

Chapter Special Recognition

Hamilton – George Menzies

Updates during the year and comments on other history activities

BIO writeup

Robert J Morris (Bob)

Past President, Hamilton Chapter, ASHRAE Life Member

Ottawa – Ryan Dickinson

Updates during the year

Toronto – Niss Feiner

Updates during the year

Now on Society Historical Committee as a voting member

Windsor – Gord Snell

Updates during the year



REGION II - 2019 CRC

Tom Pollard - RVC History

HISTORY

Chapter Visits and Chapter Visit Highlights

RVC Visits and Highlights

Windsor Chapter – Past Presidents Night

April 2018 visit – did history presentation at meeting

Toronto & Hamilton Chapter joint meeting

April 2018 visit – did history presentation

(also Hamilton had a separate history night)

London (local chapter)

HISTORY

Items implemented during the year:

Emails sent to Chapter Historian Chairs

Aug, Oct, Jan, Mar, June with some ideas about history items, chapter meetings and how to get some PAOE points

*** **BUT** *** had low response back that Chapter actually did anything

Only heard something from Hamilton, Toronto, Ottawa, Windsor

Chapters claiming PAOE points but with no report back to RVC so they are missing out on some possible additional PAOE points and items.

HISTORY

What about next year 2019-2020?

1. CRC History Workshop – get more information and feedback to help Chapter Historians.
2. Try to get more feedback from Chapter Historians through the year.
3. Get Chapter Historians to get better PAOE. This can be done just by getting some (any) feedback from chapter chairs. Chapter Presidents should follow up with their chapter chairs to ensure that some work is completed through the year.
4. **REGIONAL AWARD - GOLD RIBBON AWARD** For chapters and historians that accomplish certain goals to the satisfaction of the Regional Historian and DRC

HISTORY

Chapter Important Dates

Society Annual Conference
Toronto June 25-29, 2022

ASHRAE - Chapter Charter Dates

based on date:

2019-08-23

	<u>Charter Date</u>			<u>Next Anniversary</u>		<u>Next Special Date</u>	
Toronto	1922-05-09	97.29	years old	98	2020-05-09	100	2022-05-09
Montreal	1936-04-09	83.37		84	2020-04-09	85	2021-04-09
Ottawa Valley	1952-09-16	66.94		67	2019-09-16	70	2022-09-16
La Ville de Quebec	1956-12-13	62.69		63	2019-12-13	65	2021-12-13
Hamilton	1959-10-22	59.84		60	2019-10-22	60	2019-10-22
Halifax	1965-03-15	54.44		55	2020-03-15	55	2020-03-15
London (Canada)	1972-05-08	47.29		48	2020-05-08	50	2022-05-08
NB/PEI	1972-10-13	46.86		47	2019-10-13	50	2022-10-13
Windsor	1983-11-19	35.76		36	2019-11-19	40	2023-11-19



REGION II - 2019 CRC
Tom Pollard - RVC History

FROM ASHRAE HISTORICAL COMMITTEE

2019-2020 ASHRAE 125th Anniversary Project

125 most important Transactions Papers or ASHRAE Journal Articles

Publish historical articles in the ASHRAE Journal

Sponsor at least one technical paper session for the winter 2020 meeting.

Develop a pictorial calendar for 2019 and 2020

ASHRAE Society History (Proclaiming the Truth 2nd Edition)

HVAC&R Museum – possible display at 2020 Winter Conference

Leadership Recall program renamed as Leadership Voices

web site: ashrae.org/leadershipvoices

newest is one is of Tom Phoenix, also have Tim Wntz, Lynn Bellenger, Ole Fanger and others

Historical Committee Restructuring Beginning July 1, 2020

Regional Historians will no longer be appointed as non-voting members to the Historical Committee. The Historical Committee will continue to report to Pub & Ed Council. To tighten the bond between Regional Historians and Regional leadership, the Historians will report to their respective RMCR (Region Members Council Representative). Because each RMCR serves on Members Council, the Historians will have a direct communication path to that body, which is responsible for representing ASHRAE membership and ensuring that Society “hears members’ voices.”



REGION II - 2019 CRC

Tom Pollard - RVC History



ASHRAE SOCIETY HONORS & AWARDS

Do you know an ASHRAE member who...

has performed outstanding voluntary non-compensated public service in their community?

YES



Nominate them for
Distinguished Public Service Award

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

Have they received the Distinguished Service Award?

NO



Nominate them for
Distinguished Service Award

YES



Nominate them for
Exceptional Service Award



They have the exceptional service award, too!
Andrew T. Boggs

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

Are they an ASHRAE Fellow?

NO



Nominate to
ASHRAE Fellow

YES



Nominate them for
Louise & Bill Holladay Distinguished Fellow Award

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

- Has performed outstanding service
- Is an ASHRAE Fellow
- Is a Distinguished Service Award winner
- Is a Past Society President

YES



Nominate them for
Distinguished 50 Year Member Award

is deserving of ASHRAE's highest award and **meets all of the following criteria:**

- Has accomplished notable achievement
- Has a history of outstanding work or service in any field of the Society
- Shown exceptional leadership in the HVAC&R industry, and
- Has broad-based activities of outstanding value

YES



Nominate them for
F. Paul Anderson Award

Do you know of a giant in the HVAC&R industry who is deceased and you want to memorialize?

Were they an ASHRAE Member?

NO



Nominate them for
Pioneers of the Industry

YES



Nominate them for
ASHRAE Hall of Fame

ASHRAE Region II Government Affairs

RVC: Robert Hoadley, HFDP, P. Eng.

Activity Report Year 2018-2019



REGION II - 2019 CRC
Robert Hoadley - RVC GAC



PAOE Summary for Government Affairs

<u>Chapter</u>	<u>PAOE 2016/17</u>	<u>PAOE 2017/18</u>	<u>PAOE 2018/19</u>
Quebec	1650	1300	650
Montreal	1350	2100	1310
Ottawa Valley	1550	600	800
Toronto	1250	1600	1550
Hamilton	1400	1400	2550
Halifax	350	500	200
London (Canada)	1050	350	500
NB/PEI	960	350	250
Windsor	650	800	750

Chapter Visits and Chapter Visit Highlights

1. Visited Halifax Chapter in May 2019



Chapter Special Recognition

1. Hamilton – 2550 PAOE Points! – Congrats to Robyn Ellis
2. Toronto – First ever Government Outreach Day at Provincial Level – Spearheaded by John Cusato
3. Montréal, Ottawa Valley, Toronto, Hamilton, Chapters – Participated in Annual Government Outreach Day at Parliament Hill
4. Halifax – First Government Outreach effort with Local MP Andy Fillmore – pictured with Chapter President Dan Egilsson



Chapter Special Recognition

5. Windsor – Paul Greff met with Federal Minister of Sport and Persons with Disabilities Kirsty Duncan (MP for Etobicoke Centre)

New items implemented during the year:

1. ASHRAE Government Affairs Committee targeted 29 Government Outreach Days in 2018-19, Region II provided Ontario and Ottawa.
2. Want to build a database of MPs representing ASHRAE members
 1. MPs like hearing from constituents, whether to request meeting or meet in Ottawa
 2. Build a rapid response database
 3. Need list of postal codes or ridings

Things you are the most proud of:

1. President Sheila Hayter et al presentation to House of Commons Standing Committee on Natural Resources
2. First Provincial Government Outreach Day at Queens Park
3. Continuing success of Government Outreach Day in Ottawa

What about next year 2019-2020?

1. Annual Government Outreach Day on Parliament Hill in May 2020.
New Society fund available for travel. Sign up!
2. Targeting Provincial Government Outreach Days – Ontario, Quebec, New Brunswick, Nova Scotia
3. Municipal Government Outreach
4. First Nations Outreach

ASHRAE Region 2

Membership Promotion

RVC : Genevieve Lussier

Activity Report

Year 2018-2019



REGION II - 2019 CRC

Genevieve Lussier – RVC MP



PAOE Summary for MP

<u>Chapter</u>	<u>PAOE 2016/17</u>	<u>PAOE 2017/18</u>	<u>PAOE 2018/19</u>
Quebec	1715	945	900
Montreal	1525	1860	2360
Ottawa Valley	1965	1530	1075
Toronto	1270	1910	2110
Hamilton	1085	1820	1310
Halifax	1525	1075	1366
London (Canada)	1090	1060	1535
NB/PEI	760	945	1090
Windsor	1275	1185	1443

Chapter Visits and Chapter Visit Highlights

- I did three chapter visits: Hamilton, Quebec City and Ottawa. All three chapters had very interesting subjects as conferences.
- I did a Keynotes article describing the ASHRAE “feeling” I got at each meeting. The most original visit was Hamilton Chapter where they hosted their dinner-conference at a warplane museum. They attracted a record high assistance with this venue. They went outside the box and got a high attendance. They also had a very interesting subject and conference was given by a DL.
- Ottawa and Quebec City also had nice venues and food was good!
- So basically : good program+good venue+good food = good assistance! At all three chapter visits I invited clients or people I knew to assist. Feedback I got was that two renewed their ASHRAE membership. Another suggestion to members: invite your clients to an ASHRAE dinner. You get to know them better in a relaxed atmosphere, they receive continuous education credits and promote ASHRAE at the same time.
- Next year I plan to visit Windsor, NB/PEI and Halifax.



REGION II - 2019 CRC
Genevieve Lussier – RVC MP



Chapter Special Recognition

- Halifax: held a membership night where members could invite one non-member for free. Campaign to reach out to delinquent. Informed personally members eligible for upgrade. Some members did upgrade following this. They reached their growth goal.
- Hamilton: personal reminders to delinquents. Recognized new members at each meeting. Chair noticed that people bringing co-workers and clients worked as some of them became members. Hamilton increased their membership.
- London: had president-elect Darryl Boyce as speaker in February which attracted a good turn-out. Introduced innovative conference topics which attracted more assistance to dinners. Golf tournament held in June.
- Montreal: did a big campaign of membership advancements and got huge results. Had a raffle for non-members brought by a member for a free membership. Two membership nights with a discount for non-members as incentive to join. New members are recognized at each dinner. Great conference topics. 4 breakfast conferences for Women in ASHRAE. Did an energy efficiency seminar.

Chapter Special Recognition

- Quebec City: contacted personally delinquent members and saw an impact on renewal. Organized social events (bowling and curling) with YEA which had good turn-out. Did an energy efficiency seminar.
- Ottawa: personally reached out to members to ask what they like about the chapter and what they want. Had a positive impact on attendance. Had one membership promotion night at beginning of year. Worked closely with YEA and SA chairs. A lot of young members on the board of this chapter, which is giving them great momentum and dynamism.
- Windsor: team effort to attract members. A consulting engineer and contractor work together to promote membership, which seems to work very well in this chapter. Again this year, they surpassed their growth goal. Their golf tournament is their highlight. They talk one-on-one with potential members at that event and have great success. They also promote personal contact with prospective members. Their chapter has a “family” feeling to it.
- Toronto: continue their mentorship program. This allowed engineers newly immigrated to Toronto to find employment. Very dynamic chapter.

Chapters Membership Statistics

Chapter Name	Start Total	Goal	Net Growth Goal	End of Q1	End of Q2	End of Q3	Year End	Goal Met?
QUEBEC	169	3	172	172	172	173	167	No, not this year.
MONTREAL	561	11	572	554	552	562	540	No, not this year.
OTTAWA VALLEY	427	9	436	429	423	434	427	No, not this year.
TORONTO	1109	22	1131	1092	1088	1087	1081	No, not this year.
HAMILTON	270	5	275	272	272	274	273	You increased your membership, but didn't quite meet your growth goal.
HALIFAX	181	4	185	179	179	179	185	Yes, Congratulations!
LONDON (CANADA)	126	3	129	128	122	122	123	No, not this year.
NB/PEI	155	3	158	153	151	151	152	No, not this year.
WINDSOR	65	1	66	67	65	66	69	Yes, Congratulations!

New items implemented during the year:

1. Finding the “Membership Magnet Equation”.

Things you are the most proud of:

1. Very good communication this year from all chairs.
2. **ALL 9 CHAPTERS SUBMITTED THEIR YEAR-END REPORT!!!**
3. Keeping on top of things!
4. Hamilton's out-of-the-box dinner venue.
5. Finding the membership "equation": good topic+good venue+good food = future member magnet!
6. Region II rocks!!!

What about next year 2019-2020?

1. Focus on membership retention for all chapters.
2. Come up with tools to promote the Membership Magnet Equation: flyers, emails, happy members testimony, website, etc...
3. Encourage chapters to promote their good work through the Keynotes newsletter.
4. Keep things simple : lets get back to basics→ what makes members want to participate at your chapter's activities? Why do I ASHRAE? The "ASHRAE feeling".
5. Chapter presidents : remember to budget to send your MP chair or co-chair to CT.

Chapters Growth Goal

Chapter Name	Start Total	Goal	Net Growth Goal
QUEBEC	167	3	170
MONTREAL	540	11	551
OTTAWA VALLEY	427	9	436
TORONTO	1081	22	1103
HAMILTON	273	5	278
HALIFAX	185	4	189
LONDON (CANADA)	123	2	125
NB/PEI	152	3	155
WINDSOR	69	1	70

ASHRAE Region 2

CTT Report

RVC (incoming) : Daniel Redmond

RVC (rolling off): Daniel Robert

Activity Report

Year 2018-2019



REGION II - 2019 CRC

Daniel Redmond - RVC CTT

PAOE Summary for CTTC

<u>Chapter</u>	<u>PAOE 2016/17</u>	<u>PAOE 2017/18</u>	<u>PAOE 2018/19</u>
Quebec City	1050	1425	2625
Montreal	2025	2950	2800
Ottawa Valley	1350	1400	1600
Toronto	2750	2000	2925
Hamilton	825	950	1525
Halifax	900	900	1775
London (Canada)	1075	1100	1500
NB/PEI	775	400	250
Windsor	800	1275	700

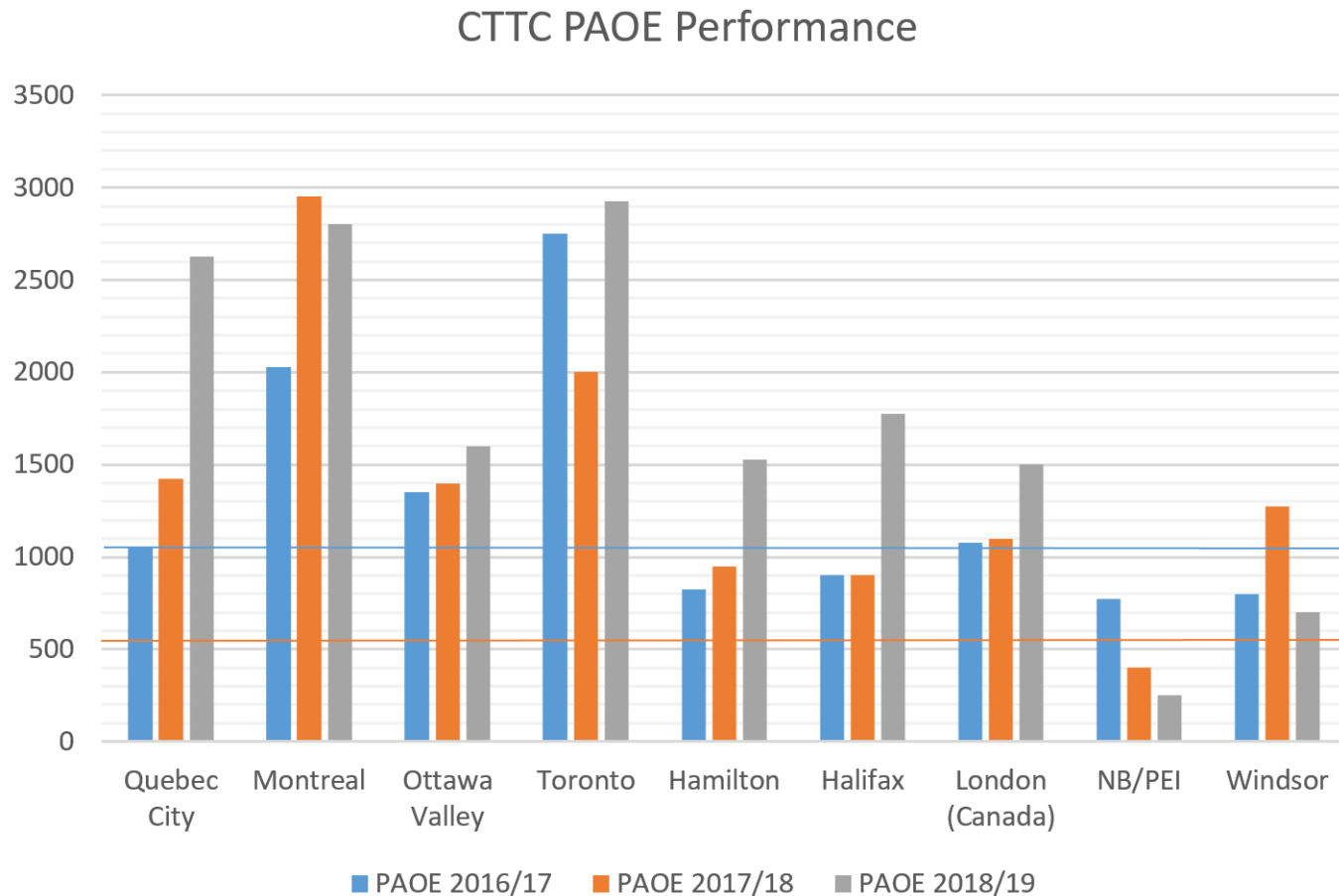
(min 550, Par 1050)



REGION II - 2019 CRC

Daniel Redmond - RVC CTT

PAOE Summary for CTTC



(min 550, Par 1050)

Chapter Visits and Chapter Visit Highlights

2018-2019 Chapter visits

Daniel Robert visited 5 chapters this year

- Toronto
- Ottawa (attending DL Bjarne Olesen presentation)
- London (attending DL Chris Mathis presentation)
- Windsor (driving DL Mathis from London)
- Montreal

In the past 3 years, Daniel Robert visited all 9 chapters!

DL Visits

- 12 allocated visits available for the Region:
 - 10 visits - **not good!**
 - 5 multi-chapter visits - **excellent!**
 - 1 unallocated visits
 - 0 common pool visit
 - 8 chapters hosting DL presentations
- 2019-2020 allocated visits: 10 **(2 less than last year)**

Technology Awards 2018:

2017- 2018

- 6 Technology Awards received (5 from the Montreal Chapter + 1 from Toronto)
- All 6 awards forwarded to Society (100%) and 4 Award winners
 - 1 selected first place project:
Dominic Desjardins, Maurice Landry and André-Benoît Allard)
Category V – Public Assembly - Existing
Montreal Olympic Park's Integrated Performance Contracting Project
 - 1 selected second place project:
Daniel Robert and Stanley Katz
Category I – Commercial Buildings - Existing
Complex de Gaspé
 - 2 selected honourable mention projects:
Daniel Robert and Stanley Katz
Category III– Health Care Facilities – New
Ullivic Health Center

 - Martin Roy
Category V – Public Assembly – New
Résidences funéraires Goyer, Ste-Thérèse



REGION II - 2019 CRC

Daniel Redmond - RVC CTT

Technology Awards 2019:

2018-2019

- Total of 9 entries at the Region this year in 8 different categories (2 more than in 2017-2018)
- The good news: 4 chapters submitting
 - Montreal submitted 6 projects
 - Toronto: 1 project
 - Ottawa: 1 project
 - Hamilton: 1 project
- Hoping to see all 9 projects submitted to the Society (deadline is this coming weekend!)



REGION II - 2019 CRC

Daniel Redmond - RVC CTT

CTTC high-lights

- DL program working well with all Chapter but
 - we lost 2 allocated visits
 - where is Quebec City?
- Again, Region II is the champion of Tech Awards at the Society level (quantity and quality)
 - Region Tech Award winner (4) projects featured with articles in the ASHRAE Journal
- Rolling-off RVC (Daniel Robert) has appreciated working with everyone at the Region level, with all the DLs that have visited Region II chapters, with all the CTTC RVCs from the other Region within the World and with the dedicated staff from Society! Thank you all!



REGION II - 2019 CRC

Daniel Redmond - RVC CTT

What about year 2019-2020?

- Planning to get more DLs out to Region II chapters using multi-visit arrangement among the Chapters
 - Hamilton and Toronto have already started working on this
- Continuing the Technology Award success story of Region II at the Society level...
- Getting all Chapters to break “par” in the PAOE (CTTC category)
- Getting all CTTC Chapter Chairs to report back to RVC on a regular basis....in 2018-19, some were great but some were really quiet!

Why attend the CTTC Workshop?

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.

Please attend the CTTC workshop: it will make your chapter better!



REGION II - 2019 CRC

Daniel Redmond - RVC CTT

Research Promotion (RP)

Mark Lawrence

Activity Report Year 2018-2019



REGION II - 2019 CRC
Mark Lawrence - RVC RP



PAOE Summary (Minimum 800 / Par 1050)

<u>Chapter</u>	<u>PAOE 2016/17</u>	<u>PAOE 2017/18</u>	<u>PAOE 2017/18</u>
Quebec	1536	1405	4408
Montreal	1435	2375	1625
Ottawa Valley	4987	6231	3132
Toronto	1750	2375	1480
Hamilton	1460	1280	1430
Halifax	2187	2190	2549
London (Canada)	4130	566	1156
NB/PEI	3419	2475	2817
Windsor	3429	3293	3840



Chapter Visits and Chapter Visit Highlights

1. None. ☹️



Chapter Special Recognition

1. Frank Mesicek, Hamilton Chapter, for following through completely with our Regional Plan, as agreed at our CRC last year.
2. Paul Greff, Windsor Chapter, for a near-perfect score on PAOE points for items not directly linked to total funds raised (ie submitted all forms on time, attended Centralized Training, etc).
3. Quebec Chapter, Dave Bouchard, for getting the chapter back to where it had been in 2017 and earlier (ie \$20K versus \$16k).



New items implemented during the year:

1. A more casual communication approach.



Things you are the most proud of:

Working with a great team of RP Chairs to strive to meet our aggressive goal increase of 8% (\$14k). In the end we hit 95% of goal.

Overall Society reached \$2,777,606 . . . 110% of goal, and an increase of 2.56% ahead of last year.



What about next year 2018-2019?

1. Stress the importance of attending both Centralized Training and the CRC workshop.
2. Continue to push to use the kick-starter / sponsorship model
3. Identify major donors early.
4. Secure Union Gas.
5. Regional goal of \$196,000 . . . Increase of 3.5% over last year's goal, but almost 9% above this year's results (yikes!).



ASHRAE Region II

Student Activities

RVC (incoming) : “Mai Anh Dao”

RVC (rolling off): “Mai Anh Dao”

Activity Report

Year 2018-2019



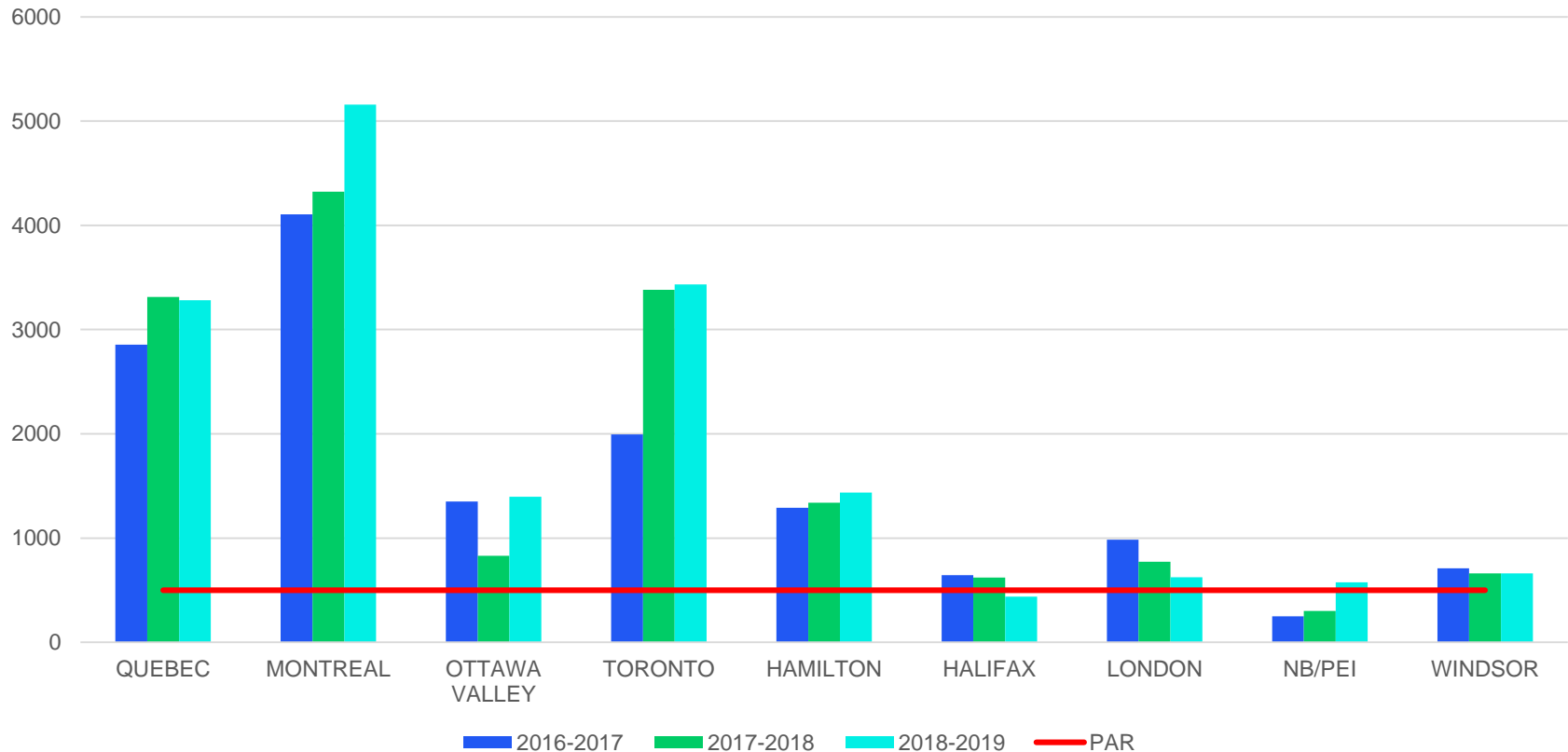
PAOE Summary for Student Activities

<u>Chapter</u>	<u>PAOE 2016/17</u>	<u>PAOE 2017/18</u>	<u>PAOE 2018/19</u>	
Quebec	2855	3314	3282	-32
Montreal	4105	4322	5159	837
Ottawa Valley	1350	830	1395	565
Toronto	1995	3382	3433	51
Hamilton	1290	1340	1436	96
Halifax	645	620	439	-181
London (Canada)	985	773	625	-148
NB/PEI	250	300	575	275
Windsor	709	660	660	0



PAOE Summary for Student Activities

PAOE Student Activities



Chapter Visits and Chapter Visit Highlights

1. Visits & Highlights:

- Montreal Chapter (Home) – Student's night & awards
- Ottawa Valley Chapter – Student award
- Quebec Chapter – Student award



Chapter Highlights



OVC – Sheila Hayter



MTL – Exploration day



MTL – K-12 activity



QC – K-12 activity



Windsor – Site tour



OVC – Site tour



QC – Site tour

2 student's night – free for students
London Chapter

3 students sent to CRC 2019 – Region II
Hamilton Chapter Chapter



REGION II - 2019 CRC
Mai Anh Dao - RVC SA



Chapter Special Recognition

1. Two (2) Chapter got the **K-12 / STEM Leadership Award**
 - Montreal Chapter (3rd year)
 - Ottawa Valley Chapter (1st year)



New items implemented during the year:

1. Chapter level:

- **Quebec City** Chapter: implemented as mentoring program
 - » Bring a student to work (shadowing for a day)
- **Montreal** Chapter: started a Tech-Exploration day
- Each Chapter will do a SA Chapter report at the workshop

2. Society level:

- BASECAMP for SA Chairs all around the world
- SAC regional is involving Technical committees at the student program during the Winter Conference
- Template of a Student Program weekend / Student Program at the CRC



Things you are the most proud of:

1. New student branches :
 - George Brown College – **Toronto Chapter**
 - Conestoga Building Systems – **Hamilton Chapter**
2. University of Windsor Senior Capstone team received 'Undergraduate Program Equipment Grant' – **Windsor Chapter**
3. Design Competition – **Ottawa Valley**
4. Not 1, but **2** K-12 / STEM award in Region II
 - Montreal Chapter (3rd year)
 - Ottawa Valley Chapter (1st year)

	TOTALS
2014-15	3
2015-16	8
2016-17	10
2017-18	12
2018-19	17



What about next year 2019-2020?

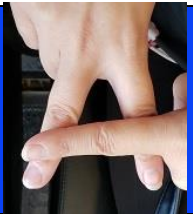
1. Visit the maritimes chapters and whichever chapter that needs support
2. Beat the previous PAOE score for each chapter
3. Beat the previous number of K-12 / STEM award in Region II
4. Increase Region II attendance at Winter Conference (Orlando)
5. Better communication with the SA chairs



ASHRAE Region 2 YEA

RVC : Alexis T Gagnon

Activity Report Year 2018-2019



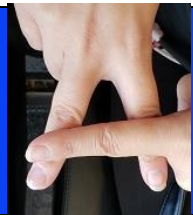
PAOE Summary for YEA

NO PAOE specific section last YEAR. Next year we will have a slide!



YEA in number this year

Chapter Name	Start Total	End
HALIFAX	45	48
HAMILTON	55	50
LONDON (CANADA)	27	30
MONTREAL	125	124
NB/PEI	38	43
OTTAWA VALLEY	112	119
QUEBEC	39	43
TORONTO	228	213
WINDSOR	14	15



Chapter Visits and Chapter Visit Highlights

1. Visits and Highlights

I visited Toronto and Hamilton during a joint meeting. I had the chance to meet a very dynamic group and a could feel the renew in the organization.

Toronto had an informal YEA meetings after event

I visited Quebec football, bowling and diner events (local chapter)



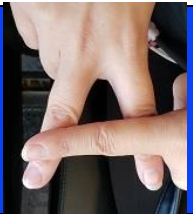
Chapter Special Recognition

1. Windsor
2. London
3. Ottawa
4. Quebec



New items implemented during the year:

1. YEA – College of fellow Mentorship Workshop (winter conference)
2. First time at an ASHRAE Conference (winter conference)
3. More place available for YLW 2.0



Things you are the most proud of:

1. Small chapter are doing big effort
2. MP-SA-YEA working with the same goal in mind
3. We now have a dedicated section with PAOE point
4. Regional participation in YEA program (YLW, YLW 2.0, LeaDRS, Leadership U, etc)
5. More and more YEA events at chapter level
6. Sponsorship from compagnies for YEA event
7. YEA personal development award in the region (Emma Wilderman)
8. Highest percentage of YEA chapter chair/co-chair attendance at a CRC YEA workshop (society)

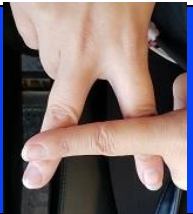


REGION II - 2019 CRC
Alexis T Gagnon - RVC YEA



What about next year 2019-2020?

1. PAOE
2. College of Fellow Mentorship – Workshop 2020
3. First time at an ASHRAE Conference
4. YLW, YLW 2.0 and LeaDRS
5. YEA and TC participation



ASHRAE Region 2 Communication Committee (CC)

RVC: Tom Pollard

Activity Report Year 2018-2019



REGION II - 2019 CRC

Tom Pollard - RVC CC

COMMUNICATIONS

PAOE Summary

Chapter	PAOE 2016/17	PAOE 2017/18	PAOE 2018/19
Quebec	no category	670	611 -59
Montreal		643	490 -153
Ottawa Valley		650	725 +75
Toronto		1136	1174 +38
Hamilton		127	310 +183
Halifax		352	324 -28
London (Canada)		675	795 +120
NB/PEI		100	330 +230
Windsor		603	574 -29
		Min:250 PAR:500	Min:250 PAR:600

COMMUNICATIONS

New items implemented during the year:

Was ECC now just EC – 2nd year (just started in 2017/208)
so somewhat new category

*** 2019-2020 now has several additional items for PAOE points
and PAR requirement now increasing to **650**

Chapter Chairs if hold the position for the 2nd or more year = 50 PAOE

****** automatically assigned by Society – Chapters must have correct names on the CIQ ******

Chapter updates to program/schedule and current chapter information
posted on web site by Oct 1

Emails sent to ECC Chapter Chairs in Aug, Oct, Jan, Mar, June
which noted items and areas that should be completed
but response back limited to just 3 chapter chairs

***** CHAPTER CHAIRS NEED TO REPORT BACK *****



REGION II - 2019 CRC

Tom Pollard - RVC CC

COMMUNICATIONS

What about next year 2019-2020?

- Get goals from all Chapter Chairs
- Emails to Chapter Chairs to be sent approx. every 2 months. To provide ideas about items and remind Chairs to do monthly PAOE updates (so as to not forget about the chapter activities)
- Chapter Chairs should record chapter activities and send RVC a note
***** some chapters are 'invisible' (received no reports)**
- Ensure chapters update web site to have new contacts and new chapter meeting info ***** some chapter web sites have old information**

REMINDER: PAOE has points if updates completed before Oct 1 – but chapter web site should be updated before their Sept chapter meeting

COMMUNICATIONS

2019-2020

Some very easy PAOE catagories

- Chapter Meeting information on speaker and topic
and then have photos of meeting (25 points each)
- Links to ASHRAE.org web pages and other related sites (5 PAOE each)
Join ASHRAE / RESEARCH / Conferences
points double if mention Building EQ
- Reconciling chapter email list with official ASHRAE roster

Social Media

Chapter web sites and social media should all be updated

Facebook, Twitter, LinkedIn – get other chapter members involved

Follow the ASHRAE Communications Committee

And post items on their Facebook site:

<https://www.facebook.com/ashraecommunicationscommittee/>



REGION II - 2019 CRC

Tom Pollard - RVC CC

COMMUNICATIONS

EMAILS

Anything and everything on the Internet is public and can be used for **Spam** and **Phishing Attacks** – be sure that your Chapter Treasurer only pays authorized expenses that have receipt backup. Chapter payments should have 2 authorization signatures.

ASHRAE maintains an email alias system that uses the Chapter, Regional, Society officer positions and Technical Committees (ie r02drc@ashrae.net - a list of the alias is available if you would like to use). Note that ASHRAE members need to ensure that their email addresses remain up to date so that they continue to receive ASHRAE Society emails.

The Basecamp site uses a separate list of members and also would need to be revised when an email address changes.

ELECTRONIC PAYMENTS

Considering using Paypal? Not recommended as will freeze payment until proof that Chapter is properly registered



REGION II - 2019 CRC

Tom Pollard - RVC CC



2019  Region II 



Awards

SA

CTTC

GAC

MP

YEA

Certificates of Appreciation

MeatBall



Student Activities



Student Activities



Best Student Activities Chapter

Montréal

2018-2019 SA Chapter Chair

Karina Bagryan and Fariha Kamal

Student Activities

Best Student Branch

Carleton University

Ottawa Valley Chapter

Elizabeth Primeau 2018-2019 SA Chapter Chair



Student Activities



K12 - STEM Award

Ottawa Valley – 1st year

Montréal - 3rd year in a row



CTTC





Regional Technology Award

Category	Place	ASHRAE Member	Chapter	Project Name
Commercial Building - EBCx	1st	Ian Ball	Montreal	Caron Building
Commercial Building - Existing	1st	Daniel Robert & Simon Kattoura	Montreal	Double Tree / Hilton Montreal DHW optimization
Commercial Building - New	1st	Daniel Roy	Ottawa	Giant Tiger
Educational Facility - Existing	1st	Ourtirane Massinissa	Montreal	University of Sherbrooke - Music Faculty
Educational Facility - Existing	2nd	André-Benoit Allard	Montreal	University du QuébecTrois-Rivière (UQTR)
Educational Facility - New	1st	Kristen Loong	Hamilton	Mohawk College Joyce Center for Partnership and Innovation
Health Care Facility - Existing	1st	Jean-francois Dionne	Montreal	CHU Ste-Justine, « Growing Up Healthy
Health Care Facility - New	1st	Kurt Monteiro	Toronto	Peel Memorial Center
Industrial Facility - Existing	1st	André-benoit Allard	Montreal	Barry-Callebaut, St-Hyacinthe plant



Allen Hanley Award
for the best CTTC chapter chair

Toronto

2018-2019 CTTC Chapter Chair
Beatriz Salazar



GAC





Outstanding Achievements in advancing the mandate of the Government Affairs in Region II

Toronto

2018-2019 GAC Award

David Underwood and Doug Cochrane



Membership Promotion



Membership Promotion



Blue Ribbon for Best Chapter Performances

Montréal

**2018-2019 MP Chapter Chair
Yves Paquette**

Membership Promotion

**Red Ribbon for Second
Best Chapter Performances**

Toronto

**2018-2019 MP Chapter Chair
Badri Patel**



Membership Promotion

**Green Ribbon for Most
Online Transactions**

Halifax

**2018-2019 MP Chapter Chair
Chris Ruddick**



Membership Promotion



Excellence Award for Membership Promotion Activities

Halifax

2018-2019 MP Chapter Chair
Chris Ruddick

Windsor

2018-2019 MP Chapter Chair
James Smith



YEA



YEA

**Outstanding participation
in YEA Activities Award**

Windsor Chapter

**2018-2019 YEA Chapter Chair
Amanda Smith**





Appreciation for Service to Region II



Certification of Appreciation



Outgoing Regional officers

Daniel Robert - CTTC RVC - 2016-2019

James Smith -2018 Windsor CRC Chair



Regional Meat Ball Traveling Award



Meat Ball Award



Best Ratio Distance
and volunteers present at CRC

Hamilton Chapter



2019  Region II 

Distinguished Guests

- Chuck Gulledge, President Elect
- Farooq Mehboob, Society V-President
- Alice Yates, Director of Government Affairs
- Jeff Clarke, DRC Region II

2019





In loving memory of

Art Irwin

Dec 4, 1933 - Jan, 7, 2019

ASHRAE Halifax chapter member 1965 – 2019

Chapter president 2004-2005

Chapter service award 2009

Life Membership in 1998

Distinguished Fellow award 2019

Energy Consultant

CBC Maritime noon radio host,

Professional musician

Award winning Photographer

Journalist

Ski Enthusiast

National Research council Committee

Energy Mines & Resources Canada

Canadian Standards board

**Nova Scotia Homebuilders Technical Advisory
Committee**

The Combustion Research Laboratory

Brookhaven National Laboratory

Combustion Research for the US Dept of Energy



Presidential Address





Awards



Part 2





Research Promotion



Research Promotion

Halifax



Jarid Wilson

2018-2019 Chapter RP Chair

- Certificate
- Full Circle Chevron
- Treasury Ribbon

Research Promotion

NB-PEI Chapter

Daniel El-Khoury

2018-2019 Chapter RP Chair

- Certificate
- Full Circle Chevron



Research Promotion

La Ville de Quebec



Dave Bouchard

2018-2019 Chapter RP Chair

- Full Circle Chevron
- Treasury Ribbon
- Endowment Chevron
- Certificate



Montreal Chapter

Simon Khaled

2018-2019 Chapter RP Chair

- Certificate
- Treasury Ribbon
- Apex Chevron

Research Promotion

Ottawa Valley



Aaron Dobson

2018-2019 Chapter RP Chair

- Treasury Ribbon
- Endowment Chevron
- Certificate
- Full Circle Chevron

Research Promotion

Toronto Chapter



Peter Turk

2018-2019 Chapter RP Chair

- Endowment Chevron
- Full Circle Chevron
- Treasury Ribbon

Research Promotion

Hamilton



Francisco Mesicek

2018-2019 Chapter RP Chair

- Full Circle Chevron
- Treasury Ribbon

Research Promotion

London



Philip Cook

2018-2019 Chapter RP Chair

- Full Circle Chevron
- Treasury Ribbon

Research Promotion

Windsor

Paul Greff

2018-2019 Chapter RP Chair

- Endowment Chevron
- Certificate
- Full Circle Chevron
- Total Dollars Raised
- Total PAOE
- \$ Per Member Runner up



Research Promotion



**Hayward Murray Award for
Outstanding Achievement in Research Promotion**

Windsor Chapter

**2018-2019 RP Chapter Chair
Paul Greff**



Awards



Part 3





PAOE



Halifax

Dan Egilsson

2018-2019 Chapter President

Special Citation Ribbon

Achieved minimum in four of five categories, with a minimum of 5,500 points in total for all categories

Honour Roll

Achieved and received the PAOE award certificate and red emblems for achieving par in at least four categories for four prior consecutive years



PAOE

NB-PEI

Yves Savoie

2018-2019 Chapter President

Special Citation Ribbon

Achieved minimum in four of five categories, with a minimum of 5,500 points in total for all categories



La Ville de Québec

Andrea Daigle

2018-2019 Chapter President

Special Citation Ribbon

Achieved minimum in four of five categories, with a minimum of 5,500 points in total for all categories

STAR Award Gold Pin

PAR achieved in all categories

Honour Roll

Achieved and received the PAOE award certificate and red emblems for achieving par in at least four categories for four prior consecutive years

High Honour Roll

Achieved STAR award level with PAR points **in five** categories for more than 4 consecutive years.





Montréal

Francis Lacharité- 2018-2019 Chapter President

Special Citation Ribbon

Achieved minimum in four of five categories, with a minimum of 5,500 points in total for all categories

Honour Roll

Achieved and received the PAOE award certificate and red emblems for achieving par in at least four categories for four prior consecutive years



Ottawa Valley

Daniel Redmond

2018-2019 Chapter President

Special Citation Ribbon

Achieved minimum in four of five categories, with a minimum of 5,500 points in total for all categories

Honour Roll

Achieved and received the PAOE award certificate and red emblems for achieving par in at least four categories for four prior consecutive years

STAR Award Gold Pin

PAR achieved in all categories



Toronto

Michael Genin - 2018-2019 Chapter President

Special Citation Ribbon

Achieved minimum in four of five categories, with a minimum of 5,500 points in total for all categories

STAR Award Gold Pin

PAR achieved in all categories

Honour Roll

Achieved and received the PAOE award certificate and red emblems for achieving par in at least four categories for four prior consecutive years



Hamilton

Iain Hill - 2018-2019 Chapter President

Special Citation Ribbon

Achieved minimum in four of five categories, with a minimum of 5,500 points in total for all categories

Honour Roll

Achieved and received the PAOE award certificate and red emblems for achieving par in at least four categories for four prior consecutive years

London

John Freeman

2018-2019 Chapter President

Special Citation Ribbon

Achieved minimum in four of five categories, with a minimum of 5,500 points in total for all categories





Windsor

Nathan Cook

2018-2019 Chapter President

Special Citation Ribbon

Achieved minimum in four of five categories, with a minimum of 5,500 points in total for all categories

Honour Roll

Achieved and received the PAOE award certificate and red emblems for achieving par in at least four categories for four prior consecutive years



Chapter Operations



Chapter Operations



Sustainable Activities Award

Toronto

Michael Genin
2018-2019 Chapter President

Chapter Operations



Community Involvement Award

Hamilton

Iain Hill

2018-2019 Chapter President

Chapter Operations



Regional Communication Award

Hamilton

2018-2019 Chapter President

Iain Hill



And now... Sneak Peak into Quebec city 2020





ASHRAE REGION II

ANNUAL FINANCIAL SUMMARY REPORT

Period: July 1st, 2018 - June 30th, 2019

DESCRIPTION	CREDIT	DEBIT	BALANCE
Opening balance for this period			65 096.94
INCOMES:			
Chapter's Opportunity Fund	6208.37		
2018 Windsor CRC Revenues	2833.80		
Regional Funds dues/Chapters Assessment Dues	38891.00		
Regional insurance	2686.86		
Regional Dinner profit			
Total Incomes:	50 620.03		115 716.97
EXPENSES:			
Travel and expenses Society meeting		13154.45	
CRC Seed Money 2018-2019		21492.00	
Planning Meeting		611.38	
Bank Service Charges		112.40	
Yea + YLWWeek-End expenses reimbursement + LEADRS		3699.46	
Oppo3699.48rtunity Fund		6100.00	
Other expenses		97.20	
TD Account expenses		892.90	
Ashrae London Support fund		3000.00	
Total Expenses:		49159.85	
CLOSING BALANCE: June 30th 2019			66 557.12
Accounts Payable+ Cheques in circulation			5470.69
Invoice July, in circulation Summer meeting			600.00
TD Account Money at June 29/19			926.24
Accounts Receivable			0

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: July12th, 2019

Audit By: _____

Date: _____

ASHRAE - REGION II**2019/2020 BUDGET**

discussed and reviewed at CRC 2019 Halifax - Aug 25/2019

DESCRIPTION			CREDIT	DEBIT
REVENUES:				
Chapter's Opportunity Fund				
Chapters Assessment Dues	1820	\$6	\$10,920	
Regional Funds Dues	1820	\$11	\$20,020	
2019 CRC Surplus (Halifax)				
Regional Insurance				
TOTAL REVENUES			\$30,940	
EXPENSES:				
Travel and Expenses Society Winter Meeting				\$7,500
Travel and Expenses Society Annual Meeting				\$9,750
DRC/RMCR CRC Registration and Lodging				\$0
RMCR Hotel Re-Imbursements (Both Society Meetings)				\$2,500
CRC Seed Money 2019-2020				\$10,920
Regional Award Plaques				\$750
Planning Meeting				\$600
CRC Chapter support				\$3,000
LEADRS Expenses				\$3,000
YEA Weekend Expenses				\$2,200
Opportunity Fund				
Other Travel Expenses (not covered by society or chapter)				\$750
Misc. Expenses (bank charge, shipment, postage)				\$500
TOTAL EXPENSES				\$41,470
NET BUDGET BALANCE				

[illegible]

Welcome to the 2019 Chapter Regional Conference

Region 2

**Presenter: Farooq
Mehboob - SVP**



Membership

- **57,000+ Society Members**
- **130+ Countries**
- **10+ Regions**
- **190+ Chapters**
- **7,400+ Student Members**
- **400+ Active Student Branches**





ASHRAE Commercialism Policy

ASHRAE's Commercialism Policy allows for Society activities that fulfill the mission of technological advancement with adherence to business plans that generate income to offset operational expenses. Income generating programs include the AHR Expo, ASHRAE periodicals, ashrae.org, and sponsorships at Society conferences.

Principles for Managing Advertising and Sponsorships

Content should be labeled as advertising or sponsored.

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

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

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

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



Shaping Tomorrow's
Built Environment Today

ashrae.org



New 2019-2024 Strategic Plan

New MISSION

To serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields.



New VISION

A healthy and sustainable built environment for all.



ashrae.org/strategicplan

Strategic Plan At-A-Glance

Initiative Area: Built Environment of the Future

- 1 RESILIENT BUILDINGS
AND COMMUNITIES 
- 2 INDOOR
ENVIRONMENTAL
QUALITY 

Initiative Area: Future of ASHRAE

- 3 ORGANIZATIONAL STREAMLINING 
- 4 IMPROVE CHAPTER ENGAGEMENT,
CAPACITY AND SUPPORT 



Shaping Tomorrow's
Built Environment Today

ashrae.org



Download the following materials now:

- Strategic Plan-At-A-Glance
- Complete overview PowerPoint with presenter notes
- Watch the Strategic Plan Seminar



Strategic Plan Seminar at the 2019 ASHRAE Annual Conference

Hear presentations given during *Seminar 27: The ASHRAE 2019-2024 Strategic Plan: What and Why* at the 2019 ASHRAE Annual Conference in Kansas City, MO.

- [Presentation 1: Development of the New ASHRAE Strategic Plan](#)
- [Presentation 2: ASHRAE Strategic Plan Initiatives: What and Why](#)
- [Presentation 3: Implementing and Monitoring the New Strategic Plan](#)

Complete Strategic Plan with full details coming soon

ashrae.org/strategicplan



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ashrae.org

Darryl K. Boyce, P. Eng., 2019-20 ASHRAE President

Website & Facebook Pages



ashrae.org/president

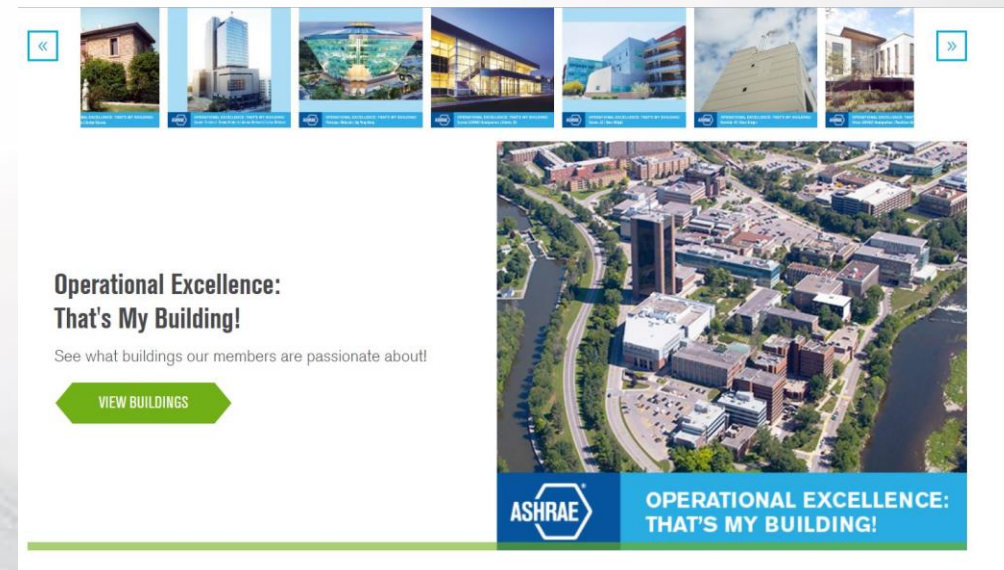
Read more about Darryl's life, career and his Society year theme, *Building for People and Performance. Achieving Operational Excellence.*

Download these resources at www.ashrae.org/president

- Bio
- Abstract
- Full manuscript
- Presidential Presentation
- Live video recording from President's Luncheon
- Building Operational Excellence Resource List



“Like” Darryl on facebook.com/ashraepresident



Signed Memoranda of Understanding

Society Year 2018-2019

- American Institute of Architects (AIA)
- American Society of Plumbing Engineers (ASPE)
- U.S. Department of Energy (DOE)
- Electric Power Research Institute (EPRI)
- International District Energy Association (IDEA)
- Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)
- Japanese Society of Refrigerating and Air Conditioning Engineers (JSRAE)
- New Buildings Institute (NBI)
- Pakistan HVACR Society (Pakistan HVACR Society)
- Society of Air-Conditioning and Refrigeration Engineers of Korea (SAREK)
- Vietnam Society of Refrigeration and Air-Conditioning Engineers (VISRAE)





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ashrae.org

ASHRAE New Global HQ

The new **ASHRAE HQ** renovation is being funded solely from the proceeds of the sale of the current building, donor contributions and reserves. *Membership dues are in no way being used for the renovation.*

Did you know?

- The **building campaign** to help fund the new HQ is underway
- The building will be **net-zero-energy** ready
- The building will be a **showcase** for the latest HVAC&R equipment and technology
- The move is expected by **October 2020**

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

Project Management: Collins Project Management
Construction Manager at Risk: Skanska
Commissioning Agent: Epsten Group



**180 Technology Parkway
Peachtree Corners, Ga**

ashrae.org/newhq

Government Affairs

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

Activities include:

- Coordination of **Semi-Annual Senior Leadership Meetings** in Washington, DC and capital cities
 - Government agencies, elected officials, aligned organizations
- **Government Outreach Days** planning and support
 - Connecting ASHRAE volunteer members with their elected officials and policy makers
- **Congressional Briefings & Regulatory Meetings/Hearings**
 - U.S. Senate Building Better Buildings Briefing
 - U.S. DOE Process Rule Public Meeting
 - Atlanta City Council Hearing: Smoking Ordinance Testimony
 - Congressional Clean Energy Expo and Policy Forum
- **Letters** related to **GAC Public Policy Priorities**
 - Workforce development, disaster recovery, infrastructure, DOE/EERE, Energy STAR and energy tax extenders



Government Affairs



**174 Member
Participants**

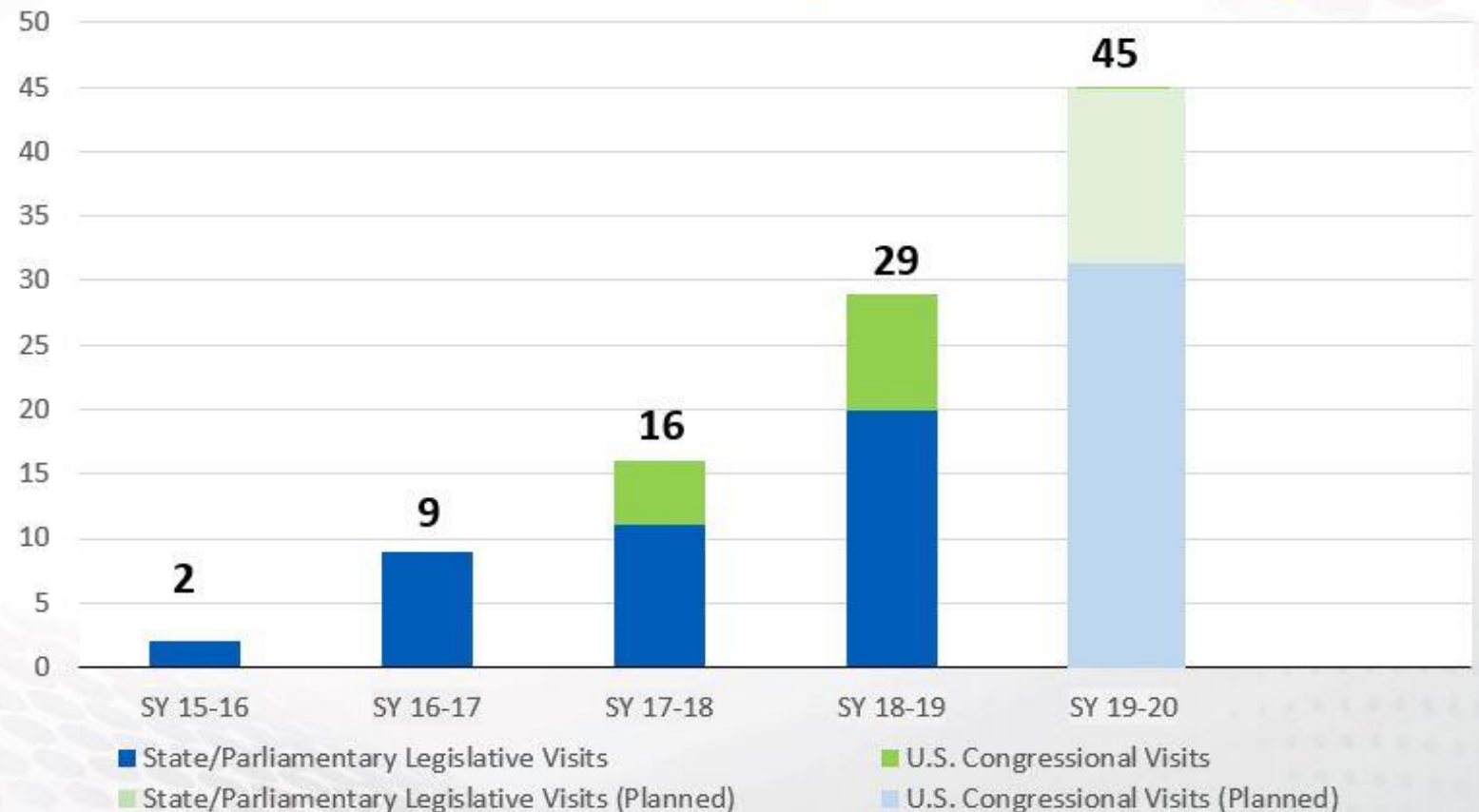


296 Meetings



ashrae.org/advocacytoolkit

Government Outreach Day Events are Growing



All ASHRAE Members are invited to participate – Get Involved!



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Employer Support: Reach Program

Provides tools and templates to assist
volunteer efforts in promoting ASHRAE
membership to local employers



What's in the Reach folders?

- ASHRAE Journal
- High Performance Buildings magazine
- New & Featured mini publications catalog
- 2019-2024 Strategic Plan At-A-Glance
- 3 membership applications

For tools before, during and after an employer meeting, visit
ashrae.org/reach



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ashrae.org



ASHRAE 365

Over **12,000** active downloads!

PLUS new Tech Hour videos coming to ASHRAE 365 this fall!

- Free one-hour videos focused on relevant technical content (will replace the annual webcast)
- PDHs will be available
- More information coming soon

If you don't have the ASHRAE 365 app, why not? Download it today!

ashrae.org/365



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ashrae.org

3,142
Connections

374 New
Members



Connect-A-Colleague is ASHRAE's membership recruitment tool for current members to easily encourage peers to join ASHRAE. It takes **less than one minute** to spread the word about ASHRAE!

Send a pre-written email invitation to colleagues at

ashrae.org/connect

Resources for Young Engineers in ASHRAE (YEA)

The YEA committee enhances member benefits for young professional ASHRAE members, 35 years old and younger, by identifying, creating and supporting activities and services focused on their needs.

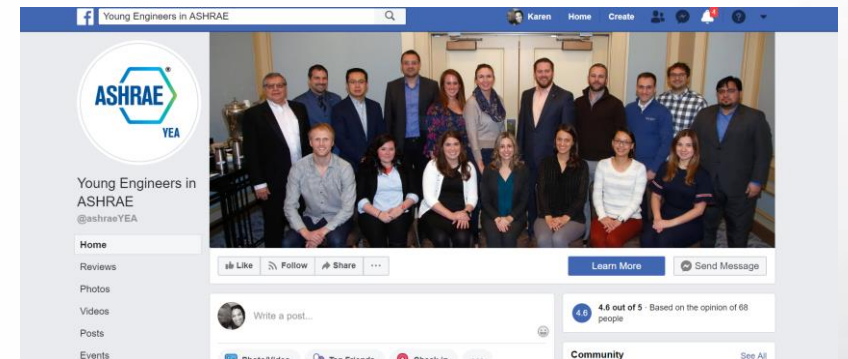
- **YEA Leadership Weekends**

Opportunity for future leaders of ASHRAE to learn more about

- Society
- Developing soft skills
- Networking with other young professionals

- **Leadership U**

- **YEA Scholarship for HVAC Design Essentials Training**



Follow us on facebook.com/ashraeYEA



ASHRAE Foundation Scholarships

Society Year 2019-2020

33

Society Scholarships

- Require a minimum of \$100,000 for an individual to establish a named scholarship
- Require a minimum contribution of \$60,000 for chapters or regions
- Selection criteria must be established in accordance with the ASHRAE Scholarship Program Rules
- ASHRAE Scholarship Trustees select the scholarship recipients

27

Chapter-Awarded Scholarships

- Require a minimum contribution of \$30,000
- Scholarships can be funded through current fundraising efforts or with chapter assets
- Chapters can establish the selection criteria
- Chapters select the scholarship recipients

In both cases, the Foundation maintains its 5% annual distribution policy established in 1994



ASHRAE Research Grants & Awards Program

- **Innovative Research Grants** - Provides seed funding for research deemed to have the potential to advance the state-of-the-art in HVACR engineering
- ASHRAE Funding for **3-year grant \$125,000**
- **Graduate Student Grant-in-Aid** - **\$10,000 per grant**
- **New Investigator Award** - ASHRAE Funding for **3-year grant \$125,000**, 1 grant per year for new professors
- **Homer Addams Award** - **\$5,000**, 1 grant per year, for graduate students that authored a technical paper on an ASHRAE RP that they worked on as student

ashrae.org/researchgrants

ASHRAE Research Promotion (RP) Campaign Society Year 2018-2019

Thank You to all the Donors and Congratulations to the RP Committee and Volunteers for another great **ASHRAE** year

- **\$2,113,823.11** in contributions for Research
- **\$387,316.36** for ASHRAE Foundation
- **\$273,638.57** for Scholarships
- **\$26,772.63** for General Fund, YEA and Education
- **Final Total \$2,801,550.67**

ashrae.org/rp

ASHRAE Launches New Refrigeration Page

Defining the “R” in ASHRAE

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

ASHRAE and the International Institute of Refrigeration (IIR) announced this spring the establishment of new definitions for five refrigeration keywords, which are:

- **Cooling**
- **Refrigeration**
- **Chilling**
- **Freezing**
- **Cold Chain**





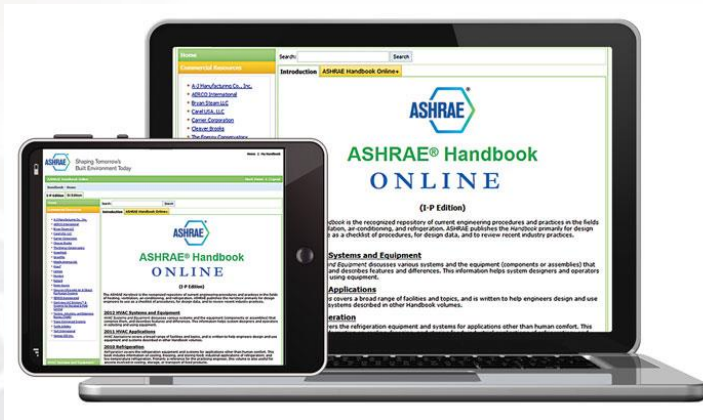
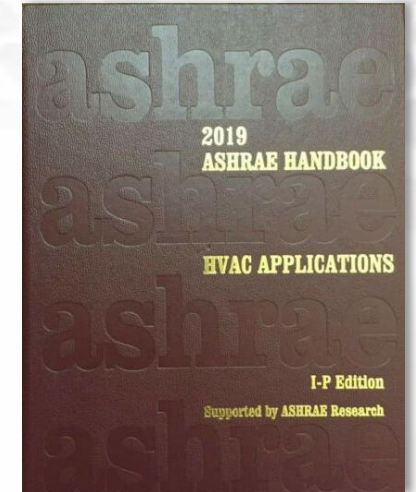
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ASHRAE Handbook

- Continuously refined and updated, ASHRAE has published its Handbook series since 1920s
- Updated volume published each year with online updates as needed
- Volumes cover HVAC&R fundamentals, systems, equipment and a wide variety of applications

ashrae.org/handbook



ASHRAE Handbook Online

- Mobile device responsive
- Content from all four current Handbook volumes plus extra features such as videos, animations, spreadsheets and more
- Easier than ever to search across all volumes, print, ask questions about technical content, access bonus features and look up new terminology
- Eligible ASHRAE members can choose an ASHRAE Handbook Online subscription as a free member benefit during membership renewal

ashrae.org/handbookonline

Selected Recent Publications

- ASHRAE Design Guide for Cool Thermal Storage, Second Edition
- ASHRAE Guideline 0-2019, The Commissioning Process
- ASHRAE Guideline 34-2019, Energy Guideline for Historic Buildings
- Advancing DCIM with IT Equipment Integration
ASHRAE Datacom Series, Book 14
- Advanced Energy Design Guide for Small to Medium Office Buildings:
Achieving Zero Energy
- District Cooling Guide, 2nd ed.
- Owner's Guide for Buildings Served by District Cooling
- Standard 15-2019, Safety Standard for Refrigeration Systems
- Standard 34-2019, Designation and Safety Classification of Refrigerants
- Arabic translation: Standard 55-2017
- Spanish translations: Standard 55-2017; Standard 188-2018; Standard 202-2018; Standard 209-2018; Standard 211-2018; Thermal Guidelines for Data Processing Environments, 4th ed.





Upcoming Publications

- Guideline 1.4-2019, Preparing Systems Manuals for Facilities **(Summer 2019)**
- HPB Simplified (textbook) **(Fall 2019)**
- ASHRAE Design Guide for Multifamily Residential Buildings **(Fall 2019)**
- Standard 62.1-2019, Ventilation for Acceptable Indoor Air Quality **(Fall 2019)**
- Standard 62.2-2019, Ventilation and Acceptable Indoor Air Quality in Residential Buildings **(Fall 2019)**
- Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings **(Fall 2019)**
- Standard 90.4-2019, Energy Standard for Data Centers **(Fall 2019)**
- Smart Grid Application Guide for Building Professionals **(Late 2019)**
- ASHRAE Design Guide for Duct Systems **(Late 2019)**
- Air-Conditioning System Design Manual, 3rd ed. **(Late 2019)**
- Standard 147-2019, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems **(Jan 2020)**
- 125th Anniversary books: Evolution of Components and Design Build Practices after 1900; Proclaiming the Truth, 2nd ed.; Adventures in Heat & Cold; Twentieth Century of Air Conditioning **(Jan 2020)**

Setting ANSI Standards

Highlights for this year:

- Standards 62.1, 62.2 and 90.1-2019 will be published September/October 2019
- **Work underway:**
 - Standard 225 – *Methods for Performance Testing Centrifugal Refrigerant Compressors and Condensing Unit*
 - Standard 226 – *Methods for Performance Testing Positive Displacement Refrigerant Compressors and Compressor Units*
 - Standard 227 – *Passive Building Design*
 - Standard 228 – *Standard Method of Evaluating Zero Energy Building Performance*
 - Standard 514 – *Minimizing Risk of Disease and Injury Associated with Building Water Systems*

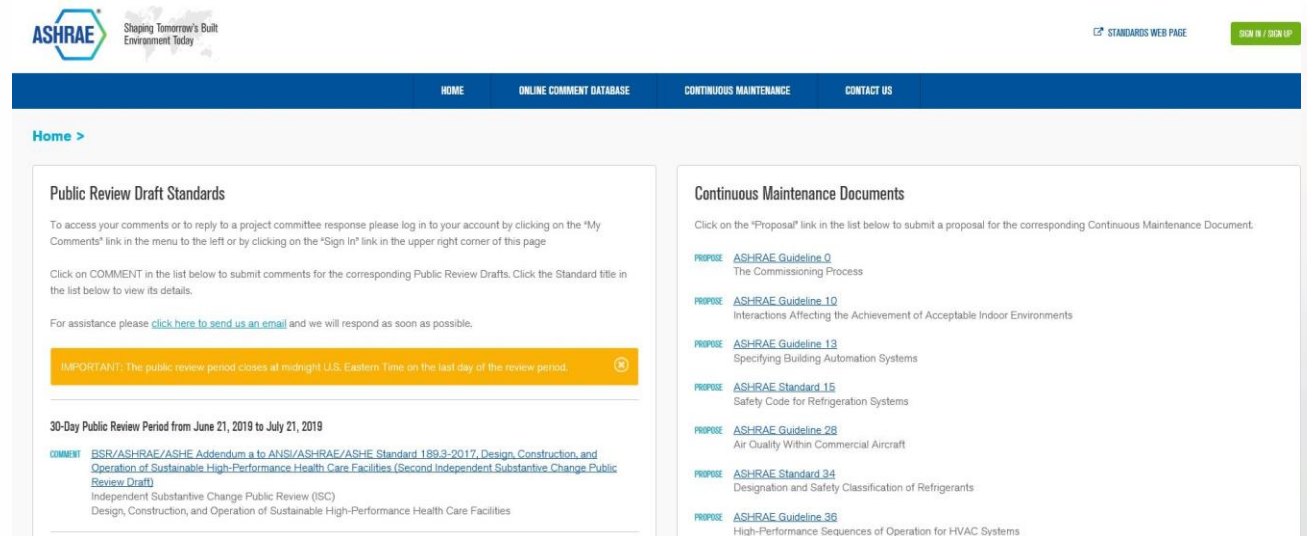


Online Standards Review Database

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

System offers:

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



New Ways to Access and Develop Information

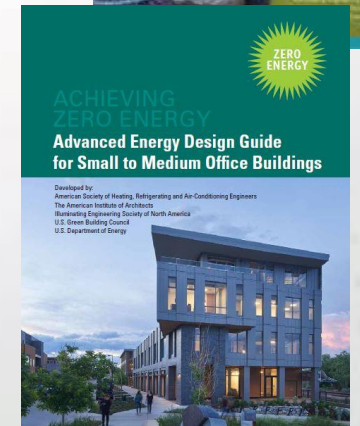
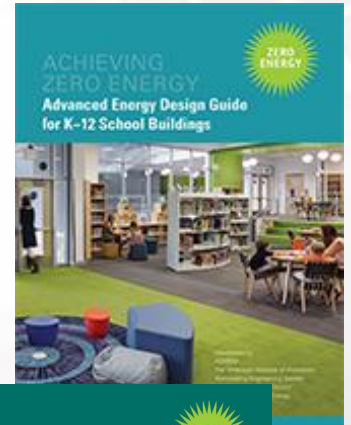
- Enhance member access using online delivery
 - **ASHRAE Technology Portal** hosts research reports, papers, Journal articles, more
 - Handbook PDFs added to **ASHRAE Technology Portal** to eliminate CDs
 - 90.1 Portal syncs the 2016 standard with the user's manual plus red-line version
- Expand content available electronically
 - Free Online Access to *Science & Technology for the Built Environment*
- Web-based tools to optimize volunteer time
 - Authoring Portal for 2019 Handbook and other publications
- Customize training and translate publications applying business models
- Trackable delivery of Handbooks to more countries





Advanced Energy Design Guides

- **660,000 copies of 13 published guides** in circulation
- *Advanced Energy Design Guide for K-12 School Buildings – Achieving Zero Energy* **published January 2018**
 - Applicable to all sizes and types of K-12 school construction
- *Advanced Energy Design Guide for Small to Medium Office Buildings – Achieving Zero Energy* **published June 2019**
 - Applicable to office buildings 10,000 to 100,000 ft² with a building height of less than 75 feet.
- *Advanced Energy Design Guide for Multifamily Residential Buildings – Achieving Zero Energy* **in development**

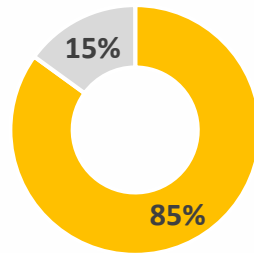


Certification

Certified HVAC Designer (CHD) Launched

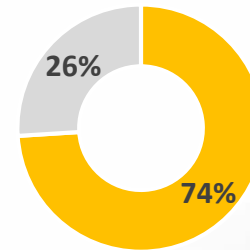
In an “Industry Need” survey, ASHRAE Member respondents agree:

Worthwhile Professional Development Goal



■ Yes ■ No

Tool to Identify Competent New Hire Prospects



■ Yes ■ No

NEW! Chapter-Organized Exam Administration

- Members receive a **\$50 discount** on the USD \$395 application fee
- Chapters receive **100 PAOE points** for each certification earned

ashrae.org/certification



ASHRAE Learning Institute (ALI)

NEW Courses!

- Advanced Design for Net Zero Buildings
- Choosing the Right Energy Code for Your Project: IECC 2018 or ASHRAE 90.1-2016
- Effective Presentation for Positive Results
- Guideline 36: Best in Class HVAC Control
- How Smart, Efficient, Sustainable Systems Lead to Improved Resilience
- IgCC and ASHRAE Standard 189.1 Technical Provisions
- Laboratory Exhaust Stacks: Safe and Energy-Efficient Design
- Solar PV & Thermal Systems Analysis and Design
- Thermal Energy Storage Systems for Air Conditioning
- HVAC Design: Level II-Applications (MENA) (Dubai Training Center)
- New Developments in Lower GWP Refrigerants (MENA) (Dubai Training Center)
- Improving Existing Building Operations (MENA) (Dubai Training Center)
- Effective Energy Management in New & Existing Buildings (MENA) (Dubai Training Center)
- Emerging Trends & Sustainable Design in Refrigeration & Cold Chain (Dubai Training Center)
- District Cooling for Designers & Owners (MENA) (Dubai Training Center)

ASHRAE eLearning

- PDHs/CEUs: Most courses recognized by AIA and GBCI
- Train on your own schedule from any computer with internet access
- No special software required
- Free tracking reports
- More than 90 courses, including these **NEW** offerings:
 - **Introduction to Refrigerants**
 - **Refrigerant Selection**
 - **Refrigerant Management**
 - **Refrigerants Handling for Technicians - Best Practices**



Building EQ

Take your building to the next level beyond benchmarking

- Web based Portal that compares a building's energy performance to similar building types in same climate zone.
- In Operation Assessment
 - Reflects how building is designed, used, and operated
 - Starts a conversation on how to improve building energy use
 - Auto-populates audit reports aligned with ASHRAE Standard 211
 - Provides a consistent, streamlined process to conduct ASHRAE Level 1 Energy Audit
- As Designed Evaluation
 - Reflects a building's potential energy use
 - Allows comparison of buildings operated very differently
- Project options include metrics (SI, IP), language (English, French), currency type (by country), data exchange from ENERGY STAR

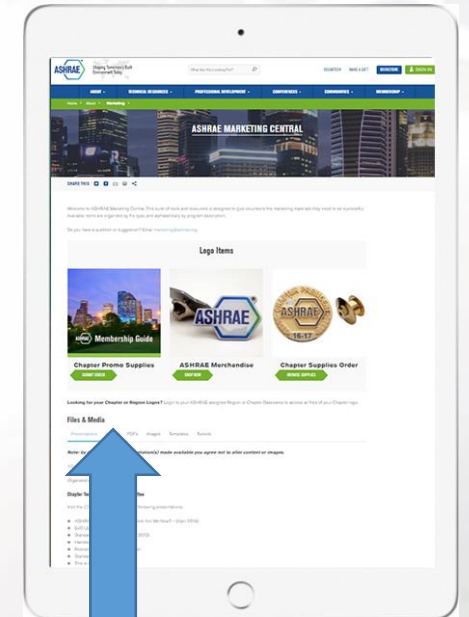
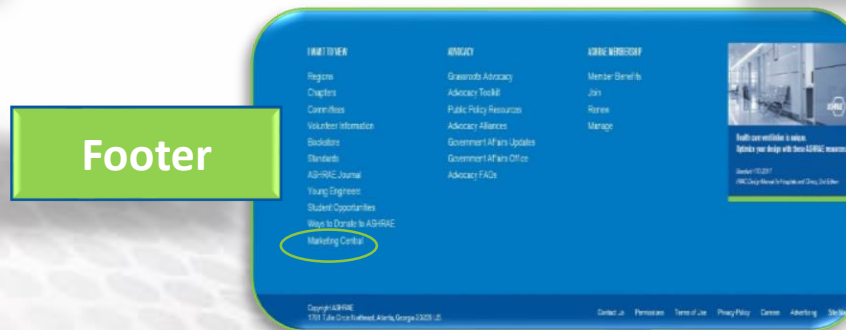
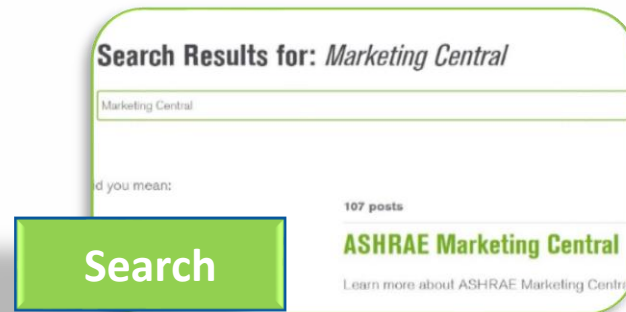


Marketing Central

Resources for Society-related marketing materials

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

How to find Marketing Central:





Shaping Tomorrow's
Built Environment Today

ashrae.org

See You There!

- **2019 ASHRAE Building Performance Analysis Conference**
September 25-27, 2019 – Denver, CO
- **7th International Conference on Energy Research and Development**
November 19-21, 2019 – State of Kuwait
- **Greenbuild International Conference and Expo**
November 20-22, 2019 – Atlanta, GA
- **2019 Building XIV International Conference**
December 9-12, 2019 – Clearwater, FL
- **2020 ASHRAE Winter Conference & AHR Expo**
February 1-5, 2020 – Orlando, FL
- **2020 ASHRAE Annual Conference**
Jun 27-July 1, 2020 – Austin, TX



ashrae.org/conferences



Shaping Tomorrow's
Built Environment Today

ashrae.org



2020 Winter Conference & AHR Expo in Orlando, FL | Feb. 1-5, 2020

- Over 100 sessions and topics presented by over 300 speakers
- The world's largest HVACR show
- Social events, tours and professional development
- **Registration opens August 1, visit ashrae.org/orlando**



2020 Annual Conference in Austin, TX | June 27-July 1, 2020

- Five-days, eight conference tracks
- Current trends and technology in the HVACR industry
- Social events, tours and professional development
- **For more information, visit ashrae.org/austin**

**For images, newsletter articles, website information, flyers and more
ashrae.org/conferencemarketing**

An aerial photograph of Halifax, Nova Scotia, Canada, showing the city skyline and harbor. The water is a deep blue, and the city is built on a peninsula with various buildings and structures. The text is overlaid on the lower right portion of the image.

Staff Report

Region II CRC in Halifax, Nova Scotia, CANADA

August 23, 2019

Alice Yates
Director of Government Affairs

ASHRAE STAFF OVERVIEW

- Purpose of staff: To Support ASHRAE Members
 - I'm here to listen, answer questions, and provide a staff contact for any future assistance.
- Departments:

Administrative Services	Marketing	Technology
Publishing & Education	Member Services	
Development	Government Affairs	
- Over 120 employees in 4 locations:

Atlanta (HQ)	Washington, DC
Dubai	Brussels



GOVERNMENT AFFAIRS DEPARTMENT

- Purpose: To establish ASHRAE as a **leading source for expertise** in the built environment and a **resource for policy-makers** in the development of legislation and regulations.

Building Relationships

Facilitating Technology Transfer

Organizing Outreach Events

Disseminating Information

- Four staff who are happy to assist you!

Email: GovAffairs@ashrae.org



GOVERNMENT AFFAIRS ACTIVITIES



- Tracking policy, legislation and regulations, drafting letters and testimony, strengthening relationships with aligned organizations
- Advocacy support and planning for **Government Outreach Days**
- Supporting the Government Affairs Committee
- Organizing Semi-Annual Senior Leadership Meetings in DC (**and Ottawa!**)
- Disseminating Information provided to us
- Providing Bi-Weekly Government Affairs Updates

Sign Up Online to Receive these Email Updates!



GOVERNMENT AFFAIRS ACTIVITIES



PUBLIC POLICY PRIORITIES FOR SY2019-20

- Proposed by the Government Affairs Committee
- Approved by Members Council and the Executive Committee
 - Building Performance Optimization
 - Public Safety
 - Indoor Environmental Quality
 - Residential
 - STEM and Workforce Development

GAC Chair wants an increased focus on global outreach



REGION II ACCOMPLISHMENTS AND SHOUT-OUTS!

- HIGHEST percentage of YEA Chapter Chairs/Co-Chairs in attendance at CRC YEA workshop
- 2ND highest increase in the number of YEA members in TCs
- Thank you to Montreal & Quebec Chapter for providing French translation of Building EQ Portal
- Region II leadership in successful Federal Outreach Day in Ottawa, meeting with 8 MPs and 2 Committees
- 2022 Annual Conference will be in Toronto (takes place during the 100th anniversary year of the Toronto Chapter!)



BEWARE OF PHISHING & OTHER EMAIL SCAMS!

Be cautious of:

- Requests from CEOs, Presidents, others in Leadership, especially ***urgent*** requests
- Unusual requests
- Bad grammar
- Missing information
- Sender's email address is not *exactly* the same as his/her usual address
- Use of your formal name if the real person calls you by a different name



PHISHING & OTHER SCAMS: WHAT TO DO

- Do not respond to the email or click on any links or open any files
- Contact the *real* Chapter President, DRC, or Officer directly to verify the request
- If you are scammed, immediately:
 - ✓ Contact the Chapter President, DRC, or Officer, or any other individuals whose emails were spoofed (by phone or in person)
 - ✓ Contact the bank (if money was sent)
 - ✓ Contact law enforcement



Your Insights and Feedback

- How can ASHRAE better serve you?
- What other products or services would you like ASHRAE to offer?
- How can we support you with Global Government Outreach?
- Feel free to visit our offices in Washington, DC or Atlanta, Georgia.

We are here to serve you!



ASHRAE Staff works for you . . .

Thank You!
Merci!

Alice Yates
Director of Government Affairs
ayates@ashrae.org





Report from ASHRAE's Government Affairs Office:
A Day in the Life

Region II CRC
Halifax, Nova Scotia, CANADA

Alice Yates
August 24, 2019

Background

ASHRAE Government Affairs Mission Statement:

- *To establish ASHRAE as a leading source for expertise in the built environment and a resource for policy-makers in the development of legislation and regulations affecting the public, the HVAC&R community, and the engineering profession.*
- To this end the ASHRAE Washington D.C. office will:
 - Build relationships between the Society and all levels of government in the United States and with the appropriate international community representatives.
 - Facilitate the transfer of technical counsel and assistance on matters affecting the public, engineering profession and ASHRAE professional community.
 - Collect, digest and disseminate to members and staff relevant information regarding current or anticipated government actions.
 - Pursue technology transfer and government funding opportunities independently or jointly with other appropriate organizations.



ASHRAE Government Affairs Staff

- We have a team that is ready to support you!
 - Alice Yates, Director
 - Jeremy Pollack, Manager of Federal Gov Affairs
 - Caroline Sevier, Manager of State and Local Government Affairs
 - Patricia Ryan, Office Manager



★
Our Office: 1255 23rd Street NW, Suite 825, Washington, DC

Email: GovAffairs@ashrae.org



Key Areas of Focus for Government Affairs Staff

- Bi-Weekly Government Affairs Updates
- Support and planning for Government Outreach Days
- Planning and Managing Senior Leadership Meetings
- Strengthening Relationships with Aligned Organizations



- Tracking legislation and regulations, drafting letters and testimony, connecting members with elected officials
- GAC Staff Support

Public Law 110-140
110th Congress

An Act

To move the United States toward greater energy independence and security, to increase the production of clean renewable fuels, to protect consumers, to increase the efficiency of products, buildings, and vehicles, to promote research on and deploy greenhouse gas capture and storage options, and to improve the energy performance of the Federal Government, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) SHORT TITLE.—This Act may be cited as the “Energy Independence and Security Act of 2007”.

(b) TABLE OF CONTENTS.—The table of contents of this Act is as follows:

Sec. 1. Short title, table of contents.
Sec. 2. Definitions.
Sec. 3. Relationship to other law.

TITLE I—ENERGY SECURITY THROUGH IMPROVED VEHICLE FUEL ECONOMY

Subtitle A—Increased Corporate Average Fuel Economy Standards

Sec. 101. Short title.
Sec. 102. Average fuel economy standards for automobiles and certain other vehicles.
Sec. 103. Definitions.
Sec. 104. Credit trading program.
Sec. 105. Consumer information.
Sec. 106. Continued applicability of existing standards.
Sec. 107. National Academy of Sciences studies.
Sec. 108. National Academy of Sciences study of medium-duty and heavy-duty truck fuel economy.
Sec. 109. Extension of flexible fuel vehicle credit program.
Sec. 110. Periodic review of accuracy of fuel economy labeling procedures.
Sec. 111. Consumer tire information.
Sec. 112. Use of civil penalties for research and development.
Sec. 113. Exemption from separate calculation requirement.

Subtitle B—Improved Vehicle Technology

Sec. 131. Transportation electrification.
Sec. 132. Domestic manufacturing conversion grant program.
Sec. 133. Inclusion of electric drive in Energy Policy Act of 1992.
Sec. 134. Loan guarantees for fuel-efficient automobile parts manufacturers.
Sec. 135. Advanced battery loan guarantee program.
Sec. 136. Advanced technology vehicles manufacturing incentive program.

Dec. 19, 2007
(H.R. 6)

Energy Independence and Security Act of 2007.
42 USC 17001 note.

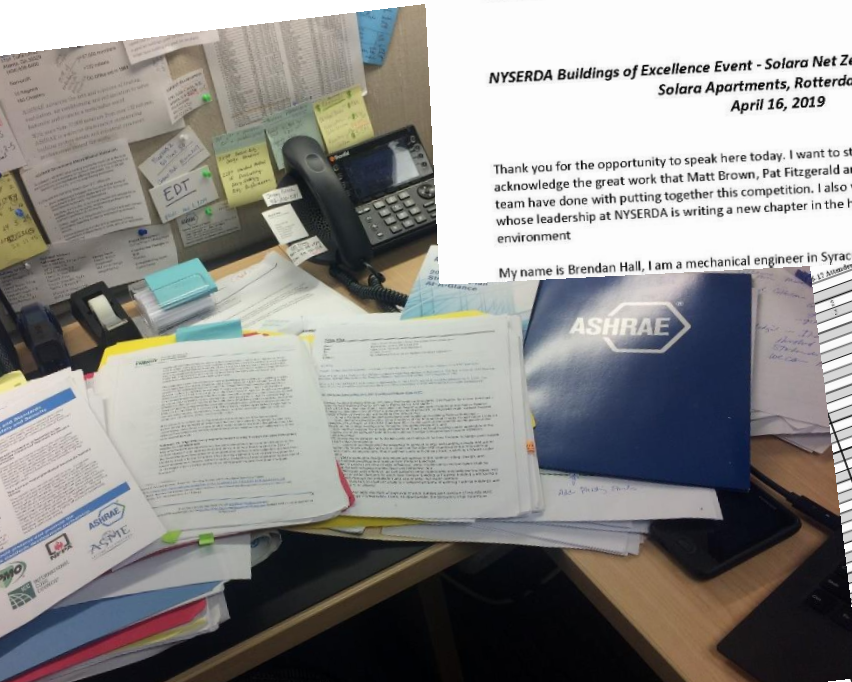


Government Affairs Office Highlights



The Mundane

- Reading, writing, and even arithmetic
- Scheduling, coordinating, communicating
- Meetings, go-to meetings, and conference calls



ASHRAE Shaping Tomorrow's
Built Environment Today

1791 Tullie Circle, NE • Atlanta, Georgia 30329-2305 • Phone: 404.636.8400 • Fax: 404.321.5478 • www.ashrae.org

NYSERDA Buildings of Excellence Event - Solara Net Zero Apartments Grand Opening
Solara Apartments, Rotterdam, NY
April 16, 2019

Thank you for the opportunity to speak here today. I want to start by taking a moment to acknowledge the great work that Matt Brown, Pat Fitzgerald and the rest of the New Construction team have done with putting together this competition. I also want to acknowledge Alicia Barton, whose leadership at NYSERDA is writing a new chapter in the history of our energy sector and built environment.

My name is Brendan Hall, I am a mechanical engineer in Syracuse and I am here today on behalf of

ASHRAE Shaping Tomorrow's
Built Environment Today

1791 Tullie Circle NE • Atlanta, GA 30329-2305 • Tel: 404.636.8400 • Fax: 404.321.5478 • www.ashrae.org

Sheila J. Hayter, P.E., FASHRAE
President

Reply to: Nat'l Renewable Energy Lab
15013 Denver West Parkway
Golden, CO 80401-3111
Tel: 303.384.7419
Sheila.Hayter@mail.ashrae.org

January 30, 2019

The Honorable David Perdue
United States Senator
455 Russell Senate Office Building
Washington, DC 20510

Dear Senator Perdue:

The longest government shutdown in U.S. history has had severe detrimental impacts across our country. I am writing to inform you of harm to the state of Georgia and technological progress, which you may be unaware. While it is encouraging that a compromise has been reached to open the government, we are writing nonetheless to hopefully help prevent another shutdown, as you learn of the full extent of harm this shutdown has had on your constituents and beyond.

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 56,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow's built environment today, and collaborates with many organizations throughout the HVAC&R industry. Additionally, the Society focuses on public safety and health concerns and provides guidance for a safe environment during extraordinary events.

ASHRAE held its Winter Conference and AHR Expo on January 12-16 in Atlanta. Due to the shutdown, several registrants were unable to attend, which significantly curtailed the critical work of writing and updating standards and guidelines that protect public health and the environment, bolster cyber-security, provide safer and more resilient buildings, and produce more productive and comfortable homes, schools, and work environments. These private consensus based standards are referenced in building standards and codes which protect the public, preserve natural resources and improve building performance.

In addition to curtailing technological progress that protects public health and safety, the reduced number of attendees diminished economic activity in the city. In addition, the closure of the Martin Luther King National Historical Park and the Jimmy Carter Presidential Library and Museum lessened the quality of the conference experience and reduced economic returns to the city.

Thank you for your attention to these concerns. I would be happy to provide any additional details to you or your staff.

Sincerely,

Sheila J. Hayter
Sheila J. Hayter, P.E.

Secretary shall promulgate regulations establishing performance standards (expressed as applicable percentages of base quantity for both natural gas savings and cumulative electricity savings) for each of calendar years 2036 through 2045.

(B) REQUIREMENTS.—The Secretary shall establish standards under this paragraph at levels reflecting the maximum achievable level of cost-effective energy efficiency potential, taking into account—

(i) cost-effective energy savings achieved by leading retail electricity suppliers and retail natural gas suppliers;

(ii) opportunities for new State and local codes and standards for energy efficiency improvements; and

(iii) other indicators of cost-effective energy efficiency potential including differences between States.

(C) MINIMUM PERCENTAGE.—In no case shall the applicable percentages for any calendar year be less than the applicable percentages for calendar year 2035.

The Motivation

- We work to get great technical information into the hands of elected officials and policy makers so that we can realize a *healthy and sustainable built environment for all!*



How to Stay Connected

- **Sign up** for Government Affairs Updates:
<https://www.ashrae.org/about/government-affairs/government-affairs-updates>
- Let us know how you've **connected** with Government Officials
We'll write it up in the GAU!
- Let us know if you think legislative provisions should be supported or revised to reflect technical realities
- Tell us if you have a speaking opportunity and if you need talking points



- Connect with Efficiency Canada
- Connect with HRAI
- Plan a Government Outreach Day!





Questions?

ASHRAE UPDATE Region II

2019 ASHRAE Annual Conference by Doug
Cochrane, ARC



Society Update

Attendance at both society meeting less than expected

Fiscal responsibility at society level. Looking at everything to ensure that chapter members are supported.

Chapter opportunity fund eliminated for this society year.

Chapter insurance now on case by case basis.



ashrae.org

Society President Region II's own from Ottawa



Theme

*Building for People and Performance.
Achieving Operational Excellence.*

ASHRAE President 2019-2020

Darryl K. Boyce, P.Eng



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ASHRAE Nominations

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

❖ Board Officer and Director Recommendations

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

❖ Board-elected Standing Committee and Council Nominations

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

❖ Standing Committee Nominations, Appointed by the President-Elect

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

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

Member Recognition

Distinguished Service Award

John Molnar, Hamilton Chapter

John Wright, Hamilton Chapter

William Collins RP Award

Daniel Redmond , Ottawa Valley Chapter

50 Year Distinguished Member Award

Paul Conrad, Halifax Chapter



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Member Recognition

Fellow

Nicolas Lemire, Montreal Chapter



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Member Recognition

ASHRAE Technology Awards

*Existing Comm Buildings **2nd Place** – Complex de Gaspé*

Daniel Robert & Stanley Katz , Montreal Chapter

ASHRAE Technology Awards

*Existing Public Assembly **1st Place** – Montreal Olympic Park*

Domenic Desjardins, Maurice Landry, Andre-Benoit Allard, Montreal Chapter



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Member Recognition

ASHRAE Technology Awards

*New Health Care Facilities – **Honorable Mention** Ullivic Health Ctr*

Daniel Robert & Stanley Katz , Montreal Chapter

ASHRAE Technology Awards

*New Public Assembly – **Honorable Mention** Residences Funeraires Goyer*

Martin Roy, Montreal Chapter



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Certified HVAC Designer (CHD) Certification

First exams written in Kansas City

Results will be released in mid september

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



ashrae.org

Government Outreach Days

Third National One in Ottawa May 28-29, 2019

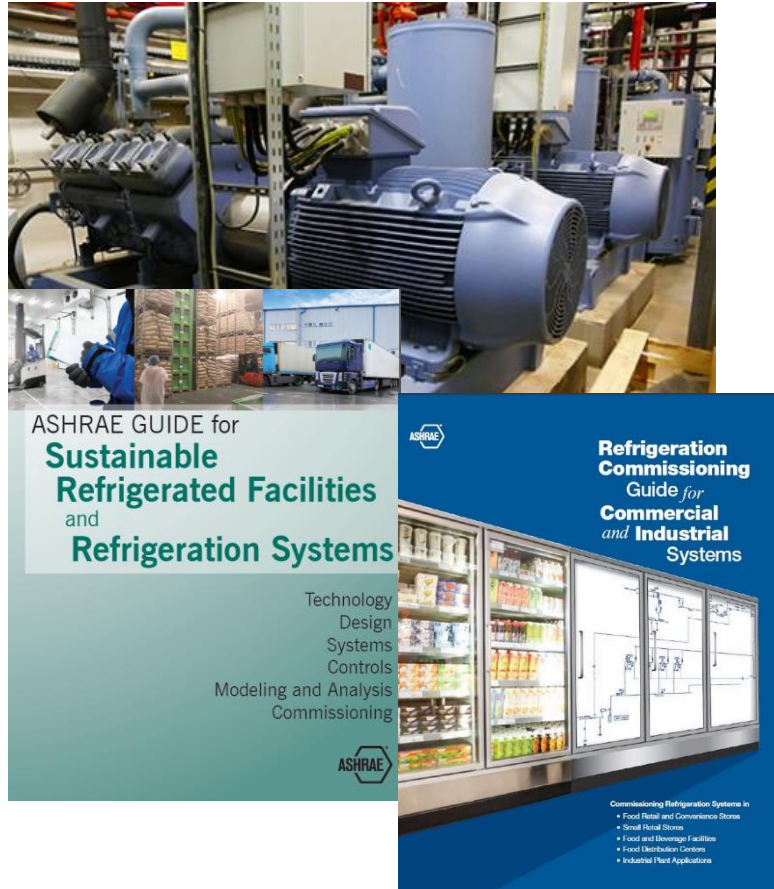
First Provincial One in Ontario February 27, 2019

MORE TO COME!

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



“R” In ASHRAE



ASHRAE Launches All New Refrigeration Page

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

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

- **Cooling**
- **Refrigeration**
- **Chilling**
- **Freezing**
- **Cold Chain**

For more information, visit: ashrae.org/refrigeration

Building EQ

- French Translation complete June 2019
- Many thanks to Ron Gagnon, Bruno Lefebvre, Joel Primeau, Jean Bundock & others who helped with the translation.
- Can now proceed with many Canadian entities for possible adoption.
- Portal Demonstration next Tues Aug 27 at 11 am edt. If interested please send e-mail to buildingeq@ashrae.org and Lilas will send you link
-

Building EQ PAOE

- See Chapter Operations:
 - For each chapter member that submits a building assessment for a Building EQ rating (either in Operation or As Designed)
 - For each chapter member promoting or presenting on Building EQ to an outside organization, building owner, facility manager, building operator or tenant
- See Student Activities:
 - For each Building EQ submittal where a student branch assists with the work as overseen by a chapter member(s)



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A2L Low GWP Refrigerant Research

- **a) RP-1806, Flammable Refrigerants Post-Ignition Simulation and Risk Assessment Update**

- Contractor: Gexcon US - P.I.: Scott Davis – Cost: \$843.5k – 12 month duration – Johnson lead – Status: New completion plan needed (new schedule, end date for project, and joint decision on whether to proceed with a pilot study or more experimental work for a new model validation dataset). PMS to hopefully finalize a path forward for the project soon.

A2L Low GWP Refrigerant Research

- **b) RP-1807, Guidelines for Flammable Refrigerant Handling, Transporting, Storing and Equipment Servicing, Installation and Dismantling**
- Contractor: Navigant Consulting - P.I.: William Goetzler – Cost: \$95k - 9 month duration – Fricke lead – Status: MTG.LowGWP approved in Atlanta the draft final report for publication after minor edits to the final report are completed – Project complete and final report is available in ASHRAE Technology Portal for free download by members and for purchase for \$30 by non-members. The MTG also approved a motion to refer the final report once the report is edited to SSPC 15 for review and a list of potential affects, if any, that these research results will have on Standard 15.

A2L Low GWP Refrigerant Research

- **c) RP-1808, Servicing and Installing Equipment using Flammable Refrigerants: Assessment of Field-made Mechanical Joints**

- Contractor: Creative Thermal Solutions - P.I.: Stefan Elbel – Cost: \$115k – 6 month duration – Fricke lead – Status: Project Monitoring Subcommittee (PMS) provided to P.I. in Atlanta a list of edits required to the draft final report. MTG hoped to approve revised final report at the Kansas City meeting, but PMS reported that the final report is not ready yet. The MTG also approved a motion to refer the final report once the report is edited by P.I. and approved by PMS to SSPC 15 for review and a list of potential affects, if any, that these research results will have on Standard 15. The report will be posted to the ASHRAE Technology Portal for free download by members once the PMS gives their ok.



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A2L Low GWP Refrigerant Research

- d) **TRP-1855, Determination of the Impact of Combustion Byproducts on the Safe Use of Flammable Fluorinated Refrigerants.**
- Status: Project is posted for bid now as a special solicitation on ASHRAE website and bids are due Sep. 27, 2019. – Est. Cost & Duration: Phase 1 \$40k – 4 month duration. MTG.LowGWP hopes to have project underway by November 1st, 2019

A2L Low GWP Refrigerant Research

- We are also doing or did the following additional LowGWP related projects through other technical committees:

- **1. TRP-1790-R, DISTRIBUTION OF WATER BETWEEN VAPOR AND LIQUID PHASES OF LOW GWP REFRIGERANTS**, Sponsor: TC 3.3 (Refrigerant Contaminant Control), Status: Potentially Rebid in Fall 2019

- **2. WS-1791, IMPACT OF HUMIDITY ON BURNING VELOCITY TEST CONDITIONS TO SAFELY APPLY FLAMMABLE REFRIGERANTS**, Sponsor TC 3.1 (Refrigerants and Secondary Coolants), Status: RTAR approved by RAC, 1st Draft of WS returned with comments by RAC. TC must revised and resubmit to RAC or drop topic.

- **3. RP-1794, WHITE PAPER INVESTIGATION RELATING TO THE USE OF ODORANTS IN FLAMMABLE REFRIGERANTS**, Sponsor TC 3.1 (Refrigerants and Secondary Coolants), Status: Project is complete final report is available for download from Technology Portal.



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A2L Low GWP Refrigerant Research

4.WS-1851, DIELECTRIC PROPERTIES OF LOWER GWP REFRIGERANTS, Sponsor: TC 3.1 (Refrigerants and Secondary Coolants), Status: RTAR approved by RAC waiting on WS submission from TC.

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5.RTAR-1884, THE INCORPORATION OF ODORANTS IN REFRIGERANTS TO IMPROVE LEAK DETECTION--PHASE II, EXPERIMENTAL STUDY, Sponsor TC 3.1 (Refrigerants and Secondary Coolants), Status: RTAR submitted for review by RAC at their 2019 Fall meeting.

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Upcoming Events!

- Region II CRC
August 23-25, 2019 – Halifax, NS
- Hamilton Chapter 60th Anniversary *October 22, 2019*
- Ashrae Winter Meeting & AHR Expo
February 1-5, 2020 – Orlando, FL Regional Dinner Sun Feb 2 TBD
- Halifax Chapter 55th Anniversary *March 15, 2020*
- Region II planning meeting *Spring 2020 TBD*
Government Outreach day – Ottawa, ON Spring 2020 TBD
- Ashrae Annual Meeting
June 27-July 1, 2020 - Austin, TX Regional Dinner Mon June 29 TBD



Questions?

ASHRAE SOCIETY HONORS & AWARDS



Do you know an ASHRAE member who...

has performed outstanding voluntary non-compensated public service in their community?

YES



Nominate them for
Distinguished Public Service Award

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

Have they received the Distinguished Service Award?

NO



Nominate them for
Distinguished Service Award

YES



Nominate them for
Exceptional Service Award



They have the exceptional service award, too!
Andrew T. Boggs

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

Are they an ASHRAE Fellow?

NO



Nominate to
ASHRAE Fellow

YES



Nominate them for
Louise & Bill Holladay Distinguished Fellow Award

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

- Has performed outstanding service
- Is an ASHRAE Fellow
- Is a Distinguished Service Award winner
- Is a Past Society President

YES



Nominate them for
Distinguished 50 Year Member Award

is deserving of ASHRAE's highest award and **meets all of the following criteria:**

- Has accomplished notable achievement
- Has a history of outstanding work or service in any field of the Society
- Shown exceptional leadership in the HVAC&R industry, and
- Has broad-based activities of outstanding value

YES



Nominate them for
F. Paul Anderson Award

Do you know of a giant in the HVAC&R industry who is deceased and you want to memorialize?

Were they an ASHRAE Member?

NO



Nominate them for
Pioneers of the Industry

YES



Nominate them for
ASHRAE Hall of Fame