



# Capital Communiqué



## ASHRAE - AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

<http://www.ashrae.ottawa.on.ca>

**OTTAWA VALLEY CHAPTER**

e-mail: [contact@ashrae.ottawa.on.ca](mailto:contact@ashrae.ottawa.on.ca)

### EVENING PROGRAM

**2008 - 2009**

**President**

*Patrick St-Onge*

**President Elect**

*Jason Alexander*

**Secretary**

*Christine Kemp*

**Treasurer**

*Stephen Lynch*

**Past President**

*Rob Lefebvre*

**Governors**

*Paul Baker*

*Steve Moons*

*Donald Weekes*

*Roderic Potter*

*Georges Maamari*

**COMMITTEES**

**Audit**

*Cathy Godin*

**Research Prom.**

*Robert Lefebvre*

**Membership**

*Phil Lemieux*

**Program**

*Aaron Dobson*

**Student Activities**

*Sebastien Laroche*

**TEGA**

*Thomas Chiykowski*

**Chapter Historian**

*Roderic Potter*

**Special Events**

*Chris Healey*

*Adam Beales*

**Communiqué**

*Georges Maamari*

**Publicity**

*Jason Alexander*

**Table Top**

*Frank Bann*

**Telephone**

*Cathy Godin*

**Greeter**

*Mike Swayne*

**Roster**

*Kevin Toll*

**Webmaster**

*Roderic Potter*

**PAOE**

*Jason Alexander*

**Business Cards**

*Rod Lancefield*

**Nominations**

*David Eastwood*

**CRC Action**

*Patrick St-Onge*

**DATE:**

Tuesday **March 17<sup>th</sup>, 2009**. Tech: 16:00 Social: 17:30 Dinner: 18:30 Program: 20:00

Travelodge Ottawa Hotel & Conference Centre, 1376 Carling Avenue, Ottawa, Ont., 613-722-7600

**CAREER  
FAIR**

**2:00 – 2:30  
2:30 – 5:30**

**Kick Off – Career Presentations  
Career Fair**

**THEME:**

**Student Night**

**PROGRAM:**

**Carbon Trading**

**SPEAKER:**

**Graham Leith**

**OVERVIEW:**

With the current turbulence in our economy, regulators, the business community, and the media have largely turned their attention away from environmental issues of late. However, we are still facing the same considerable environmental pressure that was evident only a year ago. The various regulatory frameworks for carbon reduction across North America are continuing to develop along with the competitive market for carbon offsets. In fact, some Canadian jurisdictions are leading the way with respect to carbon regulation and those business customers are getting their first taste of the future of carbon regulation.

This talk will address the environmental implications on energy markets and how that affects businesses in Canada, now and in the future. We will also discuss the opportunities business customers have to proactively address their carbon footprint and optimize their costs.

**SPEAKER  
BIO:**



Graham Leith is the Senior Director, Energy Sales at Direct Energy Business, leading the organization for both natural gas and power markets across Canada. Prior to this current role, Graham has been responsible for pricing, product development, marketing and portfolio management for the company's natural gas and electricity business across Canada. Prior to joining Direct Energy in March of 2005, Graham worked in the energy management, building diagnostics, and energy marketing industries, primarily focused on marketing and business development. Most recently, Graham was responsible for marketing both natural gas and electricity for Ontario Power Generation, TransCanada Energy and PremStar Energy Canada. He is a graduate of Wilfrid Laurier University with a Bachelor of Business Administration and York University with a Master of Business Administration.

#### **Menu**

Assorted Rolls and Butter with Crisp Green Salad  
Roasted Alberta Beef with Herb Jus served with Roasted Potatoes and Vegetables  
Double Chocolate Cake with Coffee & Tea

Chapter Members: \$30.00 Guests: \$45.00

**ROY SAMHABER, P.ENG.**  
SENIOR PROJECT MANAGER

**AMERESCO CANADA**

106 COLONNADE ROAD N.  
SUITE 200  
OTTAWA, ON K2E 7L6

PHONE: 613-224-7500  
TOLL FREE: 888-283-7267  
FAX: 613-224-3726  
RSAMHABER@AMERESCO.COM

**BAXTEC**  
Mechanical Services  
Your energy savings partner

**MARK CSIFFARY P.ENG.**  
President • mark@baxtec.com

Office: 613-738-7450 Fax: 613-738-2973  
Cell: 613-229-8277 www.baxtec.com  
29-2450 Lancaster Rd., Ottawa ON K1B 5N5

A member of **CNIC**

**Belnor**  
Engineering Inc.  
innovative control solutions

**David Fanset**  
ACCOUNT EXECUTIVE

**Ottawa Office**  
1501 Carling Ave., Unit 8  
Ottawa, ON K1Z 7M1  
Tel: (613) 729-6960 Fax: (613) 729-2600  
e-mail: dfanset@belnor.com

**Head Office**  
236 Adwell Drive, Unit 7  
Toronto, ON Canada M9W 5B2  
Tel: (416) 213-0889 Fax: (416) 213-1697

President & CRC Delegate



## President's Message

By Patrick St-Onge  
P.Eng., LEED AP  
2008-2009 OVC President

The month of March will be a very exciting and busy one. First of all, our always successful Career Fair is happening this month, during the afternoon on the same day as the main meeting. The Career Fair is a prime opportunity to meet with enthusiastic students that are looking into a career in our industry. It is also a chance to attract young talent to our industry and to show them that, even with all this talk about recession going around, our vibrant industry is always in need of energetic and enthusiastic new employees. The planning is virtually complete for the Career Fair and spaces are filling up fast, so if you haven't booked your booth, don't delay and talk to Patrick Albert or Sébastien Laroche.

The theme of the evening is also Student Activities. We expect many students to be in attendance. Please make all attending students feel welcome and as always, we will be requesting your generosity to sponsor their meals.

Once again, we are asking for the participation of our members in the Chapter TEGA awards. These awards recognize members who design and/or conceive innovative technological concepts that are proven through actual operating data. This is an opportunity for owners, operators, project management firms, performance contractors, and of course consulting engineers to showcase their engineering achievements. Any project with some innovation or focus on energy efficiency, which has been completed for a year, will qualify for the TEGA awards. The submission for the chapter level TEGA Award is very simple: there is a one page application form that can be found on our chapter web site. You will need to prepare a one page summary of the project with a picture and then send it in to our TEGA Chair, Tom Chiykowski (tchiykowski@master.ca), who can also assist you in completing the form if required.

The Traditional Curling Bonspiel will be on the 20<sup>th</sup> of March. As always, you can expect to have a lot of fun at this special event so, even if you don't curl, come out and have a drink (and a laugh).

I hope to see you all at the Career Fair and the March meeting.

Yours very truly,

Patrick St-Onge, P.Eng., LEED AP  
ASHRAE Ottawa Valley Chapter  
2008-2009 President

**BRECK-NAR**  
Heating, Ventilation, Air Conditioning, VSD's & Humidification

**Doug P. Breckenridge, P.Eng.**

877 Boyd Avenue, Ottawa, ON K2A 2E2  
Tel.: (613) 728-0060 • Fax: (613) 725-2637  
sloug@breck-nar.com

**THE CAPITAL GROUP**  
Capital Air  
CA Mechanical  
CA Electric

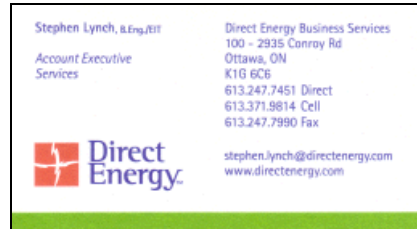
**KEN BOYD**  
PRESIDENT

9 Antares Drive, Ottawa, ON K2E 7V5  
Tel.: (613) 225-0140 • Fax: (613) 225-8804  
Web Site: www.capitalgroup.ca • E-mail: kboyd@capitalgroup.ca

**John Lowery, P.Eng.**  
Senior Territory Manager

**Carrier**

**Carrier Canada Sales and Distribution**  
1050 Baxter Road  
Ottawa, ON K2C 3P1  
Tel.: 613-820-7810 Ext. 240  
Watts: 1-800-551-8385 Ext. 240  
Fax: 613-820-9462  
Cell: 613-862-9228  
E-mail: john.lowery@carrier.utc.com



Secretary



## What you missed

by Christine Kemp  
2008-2009 Chapter Secretary

The Technical Session was a Video: Who Killed the Electric Car? - a 2006 documentary film that explores the creation, commercialization and subsequent destruction of the battery electric vehicle in the United States.

The night's theme was Membership. RVC for membership Jay Jayaraman was in attendance.

This month's table top was Evapco Inc. presented by Trane.

Research – Rob Lefebvre will be making calls in the next month for research promotion. Please be generous. An investment in ASHRAE is an investment in better living.

### Upcoming Seminars / webcasts in April

- Exceeding ANSI/ASHRAE/IESNA Standard 90.1-2007
- Clean, Lean & Mean: IAQ for Sustainable Buildings

Our Career Fair is March 17, 2009

Our Curling Bonspiel is Friday March 20, 2009

The Program was ASHRAE Standard 52.2. Our speaker Charlie Seyffer discussed recent changes to ASHRAE Standard 52.2; he also spoke about Standard 180, Standard Practice for Inspection and Maintenance of Commercial building HVAC systems and his continuing participation on ASHRAE Standard 62.1 Ventilation for Acceptable Indoor Air Quality.



Our guest and members having a great time.



Patrick Albert and Stephen Lynch greeting our guests at their arrival. Notice Patrick has already drunk 2 ryes and a beer.



Our Tabletop Display was this fine banner presenting Evapco products, courtesy of Trane Ottawa



Our speaker for the evening Charlie Seyffer

Committee Chair



## Membership

By Philippe Lemieux  
2008-2009 OVC Membership Promotion Chair

The ASHRAE Ottawa Valley Chapter would like to thank Mr. Michel Brouillette and Christopher G Barkley for joining our chapter.

Thank you both for joining our chapter. Let's make them feel at home at the next year meeting.

Phil Lemieux

Treasurer



## Student Sponsors

By Stephen Lynch  
2008-2009 OVC Treasurer

The student sponsors for the ASHRAE Ottawa Valley Chapter February 2009 meeting are as follows:

Sébastien Laroche

Your student sponsorship is much appreciated by the ASHRAE Ottawa Valley Chapter. Your contribution to help compensate student meals allows the chapter to provide meals to the students at no cost to them. A lot of the students that attend these meetings will one day become ASHRAE members and your contributions help to grow our membership which is the heart of the Ottawa Valley Chapter.

GENIVAR ONTARIO INC. 15 Fitzgerald Road, Suite 100  
Nepean, Ontario K2H 9G1 CANADA  
Tel: (613) 839-2800  
Fax: (613) 839-8299  
www.genivar.com

Goodkey, Weedmark & Associates Limited  
Consulting Engineers  
50th Anniversary 1956 - 2006  
Ross McIntyre, P.Eng.  
Principal, Designated Consultant, Mechanical Engineer  
1688 Woodward Dr., Ottawa, ON, Canada, K2C 3R8  
Telephone: 613-727-5111 ext. 239 Fax: 613-727-5115  
rossmc@gwal.com

HNTS ENGINEERING LTD  
Rod Lancefield, P.Eng., LEED A.P.  
1646 Woodward Drive, Ottawa, Ontario K2C 3R8  
Tel: (613) 728-7400 Tollfree: 1-888-280-8544  
Email: rod@hntseg.com Fax: (613) 728-8032  
Website: www.hntseg.com Cell: (613) 851-1997

**HUGH WILLIAMSON ASSOCIATES INC.**  
Acoustics, Vibration and Noise Control

**Hugh Williamson, Ph.D., P.Eng.**  
205 Bolton Street, Suite 406, Ottawa, ON, K1N 1K7

Phone: (613) 747 0983  
Fax: (613) 747 4514  
hughwilliamson@hwacoustics.ca  
http://www.hwacoustics.ca

**InAIR Environmental Ltd.**

**Lan Chi Nguyen Thi, P.Eng.**  
Partner

1399 Prince of Wales Dr., Suite 503  
Ottawa, Ontario K2C 3N6  
Phone 613.224.3863  
Fax 613.224.2561  
lanchi.nguyen@inairenvironmental.ca  
www.inairenvironmental.ca

Mould & Flood Remediation  
Drinking Water Testing  
Training Courses  
IAQ Surveys

**InAIR**  
Environmental Ltd.

**Douglas S. Walkinshaw, Ph.D., P.E.**  
Indoor air quality investigations  
Engineered environmental solutions

**Indoor Air Technologies Inc.**  
[www.indoorair.ca](http://www.indoorair.ca)

2344 Haddington Crescent, Ottawa, ON K1H 6J4  
2386 Rte 224, Stn Main, North Rustico, PE C0A 1X0  
1201 N. Market St. 18th Fl., Wilmington, DE 19801  
Tel 613 731 2559; 800 558 8892; 902 964-2477  
Cel 613 299-9269; Fax 613 737 4280  
Email dsw@indoorair.ca

Committee  
Chair



## ASHRAE OVC: Student Activities

By Sébastien Laroche  
P.Eng., LEED AP  
2008-2009 Student Activities Chair

The March meeting is the second of our two student nights and will be mainly centered on the Career Fair event. It will be a great opportunity to meet some of the new talent entering our industry from the following faculties:

- Algonquin College
- University of Ottawa
- CEGEP de l'Outaouais.
- Carleton University
- La Cité Collégiale

I would like to thank everyone, especially Patrick Albert, who helped out and contributed to what will be another successful event. Please refer to Patrick Albert's article more details about the Career Fair!

### Upcoming Events:

The Ottawa Regional Science Fair will occur on April 3<sup>rd</sup> and 4<sup>th</sup>. The Ottawa Valley Chapter sponsors 3 prizes for the event (1- junior, 1-intermediate, 1-senior). Some people have already offered to participate in this year's judging activities, but we always need more volunteers. Additional information can be found at <http://www.orsf.ca/>.

### ASHRAE Design Competition Update:

The Algonquin College team (Matthew Desjardins, Jonathan Bloomquist and Norm Sargant) are doing very well with the ASHRAE Design Competition and will complete the project shortly. They will be competing within Region 2, the Ryerson University team.

In order to see the project results of the Algonquin team, I strongly invite you to book an hour in your schedule April 9<sup>th</sup> 2009, anytime between 9:00am and 12:00 pm, to drop by and see our team at the Algonquin Technology Show.

I would like to thank Chris Frauley from R. J. McKee who volunteered his time and mentored the team in this competition.

Finally, as with all other monthly meetings, we encourage individuals or companies to support a student by sponsoring their meals. Please let the greeters at the front desk know that you would like to do so for the night. If you would like to sponsor student meals throughout the year we will recognize your contributions by issuing a receipt for your investment in Student Activities, publish your name and/or company's name on our website, and will include your name and company in next month's Capital Communiqué.

I would be pleased to discuss your implication and interests to the above at the meeting, or at any time by contacting me at [slaroche@pageaumorel.com](mailto:slaroche@pageaumorel.com) or 819-776-4665 ext. 225.

Thank you for your support and special effort to make this second student night a success!

Sébastien Laroche

*More Student Related Information from ASHRAE  
ASHRAE 2009 Student Design Project Competition*

For whom of you that didn't know about the Student Design Project Competition several information can be found at the following link : <http://www.ashrae.org/students/page/1420>

The ASHRAE Student Design Competition recognizes outstanding student design projects, encourages undergraduate and graduate students to become involved in the profession, promotes teamwork and allows students to apply their knowledge of practical design.

Committee  
Chair



## Student Career Fair

by Patrick Albert

This year's career fair, held on March 17<sup>th</sup> at the Travelodge, is looking to be a great turn out! The students from the majority of the local Universities and Colleges have been showing a great interest in the Career Fair and are going to be armed with resumes for you. We currently have a few spots left for booths at the fair and if you are looking for new talent, please let me know if you are interested. Also for the companies that cannot be available at the career fair, for \$50.00, we will list your company name contact information in the flyers that are being handed out to each student.

A common problem that is found in most schools is starving students. Please help us solve this problem by sponsoring a student at the March meeting following the career fair. Many of the students will be attending the evening program and I would like to encourage them by having people in the industry sit down and chat with them to make them feel welcome.

I would like to thank you ahead of time for your support in the Career Fair and if you require any more information, please do not hesitate to contact me at any time.

Patrick Albert  
Tel: 613-728-0060  
[Patrick@breck-mar.com](mailto:Patrick@breck-mar.com)

Committee  
Chair



## ASHRAE Curling 2009

by Chris Healey


For those of you that are playing, great, for those that are not, that's unfortunate, your going to miss a great afternoon / evening of fun and entertainment ( Stan Millross ).

On Friday March 20<sup>th</sup>, we will be holding our annual curling bonspiel at the Nepean Sportsplex, we are booked full with 16 teams ready to lay claim to the coveted ASHRAE Trophy and industry bragging rights. (Get ready to give it up Gary Hartmann)

The event takes place from 1:00 pm to 6:30 pm with dinner to follow in the Richmond Room upstairs at 6:45 pm.

If your not participating, and have a few free minutes in the afternoon, please stop over to enjoy the action ( ridicule your colleagues ) as they try for the ever elusive perfect curling shot, or just stop in to enjoy a beverage with your host and poke fun at the entrants from the warm side of the glass.

Chris Healey



**Jp2g Consultants Inc.**  
ENGINEERS ■ PLANNERS ■ PROJECT MANAGERS

1150 Morrison Drive  
Suite 410  
Ottawa, Ontario  
K2H 8S9

**Greg Santyr, P.Eng., PMP**  
LEED AP  
Project Manager

Phone: 613-828-7800  
Fax: 613-828-2600  
email: gregs@jp2g.com



**Scott Bussiere**  
Sales Agent  
Mobile: (514) 781-9469

Knauf Insulation GmbH  
23 King Rd., Point-Claire, QC, H9R 4G8  
Voice: (800) 825-4434 Ext. 8216  
E-Mail: scott.bussiere@us.knaufinsulation.com  
www.knaufinsulation.com



**Chris Hanison**  
Engineered Sales  
chrish@longhill.ca  
www.longhill.ca  
Phone: 613-226-3856  
Fax: 613-229-2715  
15-111 Capella Court, Ottawa, Ontario K2E 7X1

The Energy Conservation People

Committee  
Chair



## TEGA

By Tom Chiykowski  
2008-2009 OVC Committee Chair

Last year the Ottawa Chapter received several impressive entries for the TEGA Awards. The Chapter would like to see entries in each of the seven categories shown below. If you were only peripherally involved with a project but feel it is a good candidate, please contact me so that I can make contact with those individuals directly involved.

The categories for the awards are:

- Commercial Buildings (New and Existing)
- Institutional Buildings (New and Existing)
- Health Care Facilities (New and Existing)
- Industrial Facilities or Processes (New and Existing)
- Public Assembly (New and Existing)
- Residential (New and Existing)
- Alternative or Renewable Energy Use

The TEGA Awards are an excellent way for the Chapter, companies and individuals to gain visibility and to display some of the innovative designs coming from this design community.

Please consider submitting an application. The one page form can be found on the Chapter website. We would like to see all submissions entered by the end of March. Should you have any questions please contact me.

Tom Chiykowski



**METHOT**  
THE HEATING SPECIALIST

**Michael McNamara**  
President  
michael.mcnamara@method.ca

Tel: 905.850.3037 Toll free  
Cell: 416.986.7822 Tel: 1.800.638.4682  
Fax: 905.850.8012 Fax: 1.800.433.3398

1060, boul. Michèle-Bohec, suite 101  
Blainville (Quebec) J7C 5E2

www.method.ca



**REGULVAR CANADA INC.**  
170, Laurier Avenue West, suite 714  
Ottawa (Ontario)  
Canada K1P 5V5  
tel.: (613) 565-2119  
fax: (613) 565-8895

**Stéphan Riffault, P.Eng.**  
Sales Engineer  
sriffault@regulvar.com



**Jim Siciliano, P.Eng.**  
Partner/Mechanical Section Head  
Jim.Siciliano@mckeeottawa.ca

1785 Woodward Drive  
Ottawa, ON K2C 0P9  
CANADA  
Tel.: (613) 723-9585 x109  
Fax: (613) 723-9584  
www.mckeeottawa.ca

**RODDERS CAS**  
 Building System Surveys / Design & Retrofit  
 AutoCad System Design & Customization

Roderic S. Potter Principal

155 Pineridge Road  
 888 3 Corp, ON R0A 1L0  
 tel 613.839.2257 / fax 613.839.3226

www.rodgers.com  
 info@rodgers.com  
 cell 613.266.2134

**SIEMENS**

Siemens Building Technologies, Ltd.

2435 Holly Lane  
 Ottawa, ON K1V 7P2  
 Canada

Tel: (613) 733-9781 Ext. 223  
 Fax: (613) 737-4985  
 Tel: (800) 526-3478  
 ray.rochefort@siemens.com  
 www.sbt.siemens.com

Ray Rochefort  
 Area General Manager

**SMITH AND ANDERSEN  
 CONSULTING ENGINEERING**

David Eastwood, P.Eng.  
 Partner

Office 613.230.1186  
 Facsimile 613.230.2598  
 davide.sa@on.aibn.com

Past President



## News Update

By Robert Lefebvre  
 P.Eng., LEED AP  
 OVC Past President

### Technical News:

#### ASHRAE Publishes Load Calculations Manual

February 11, 2009

**ATLANTA** – Guidance to help designers improve the performance and efficiency of design as it relates to load calculations is contained in a new book from ASHRAE.

*Load Calculation Applications Manual* focuses on two methods for calculating cooling loads in non-residential buildings – the heat balance method and the radiant time series method (RTSM).

Author Jeffrey Spitler noted that understanding these methods is crucial when answering three primary design questions – what is the required equipment size; how do the heating/cooling requirements vary spatially within the building; and what are the relative sizes of the various contributors to the heating/cooling load?

“Cooling load calculations are performed primarily to answer the first and second questions, providing a basis for specifying the required airflow to individual spaces within the building,” Spitler said. “Answers to the third question help designers make choices to improve the performance or efficiency of the design.”

The new manual features in-depth examples, as well as bringing together the latest data for building materials, windows, weather and internal heat gains, according to Spitler. The accompanying CD contains spreadsheets that compute the factors needed by the RSTM and compute cooling loads with the RSTM.

The manual is the fourth in a series of load calculation manuals published by ASHRAE, including the first and second editions of *Cooling and Heating Load Calculation Manual* as well as *Cooling and Heating Load Calculation Principles*.

The cost of the *Load Calculations Applications Manual* is \$119 (\$97, ASHRAE members).

To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit at [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore).

(cont...)

**Sonitec**  
 Martine Ménard, B.Sc.  
 Regional Manager  
 martine.menard@sonitec.com

Vortisand® High Efficiency Water Filtration Systems [www.vortisand.com](http://www.vortisand.com)

Head Office: 4220 Bois-Franc, Saint-Laurent, QC H4S 3A7 • Tel: (514) 335-2200 ext 227 • Fax: (514) 335-2295  
 US Office: 85 Seaport St. Holyoke, MA 01041 Toll Free • 1-888-876-9655

**VORTISAND**  
 Donec In 0.45 Microns

GREEN  
 BUILDING  
 GLOBAL

**Kevin Courmeya** P.Eng., LEED® AP  
 Principal

**Stantec Consulting**  
 1505 Lapierre Avenue  
 Ottawa ON K1Z 7T1  
 Tel: (613) 725-5570  
 Fax: (613) 722-2799  
 Cell: (613) 296-7147  
 kcourmeya@stantec.com  
[stantec.com](http://stantec.com)

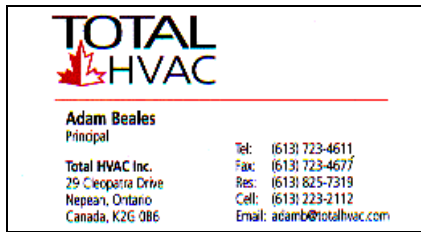
**TAMCO**  
 Innovative Dampers Products

**Doug Graham**  
 Regional Manager

27 Ibar Road  
 Sittsville, Ontario  
 Canada, K2S 1H6

Tel: 800-561-3449  
 Fax: 800-668-8476  
 Cell: 613-852-9700  
 e-mail: [dgraham@tamco.ca](mailto:dgraham@tamco.ca)  
[www.tamco.ca](http://www.tamco.ca)





## Sustainability News:

### **ASHRAE/AIRAH Issue Joint Resolution on Climate Change**

February 24, 2009

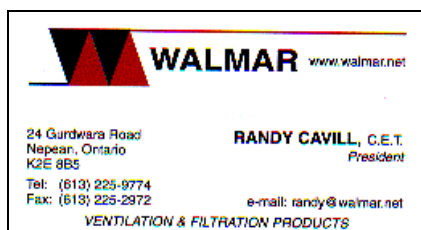
ATLANTA – Use of renewable energy, education of the building industry and responsible refrigerant use are encouraged in a new joint statement on climate change issue by ASHRAE and the Australian Institute of Refrigeration Air Conditioning and Heating (AIRAH).

“The use of HVAC&R technologies is an essential element of contemporary life,” Bill Harrison, ASHRAE president, said. “Yet, HVAC&R systems contribute to greenhouse gas releases through energy-related effects and through the effects of refrigerant losses. ASHRAE and AIRAH are emphasizing a variety of measures to decrease emissions associated with energy use and its effect on global climate.”

“I see this joint statement as an acknowledgement of the role we affiliated organizations must play to address the complex challenges we collectively face,” John Bosci, AIRAH president, said. “AIRAH is committed to creating awareness and acceptance through further education and to the promotion of sustainable building practices and the responsible development of alternative technologies within the Australian market.”

By signing the statement, ASHRAE and AIRAH resolve to:

- Support research and development activities designed to reduce buildings’ energy use and greenhouse gas emissions
- Educate building owners, operators, users, designers, and constructors on the importance of building energy efficiency, corresponding climate change impact, and proper operations and maintenance measures
- Encourage the supply of renewable energy into buildings and building engineering systems when economically feasible
- Develop and implement sustainable building designs, materials, components, systems, and processes that minimize environmental impacts, including climate change, while maintaining indoor environmental quality
- Provide advice, information, and assistance to governments and other influential bodies on energy efficiency and climate change emissions in both new and existing buildings
- Encourage responsible refrigerant use, including emissions reduction strategies and technologies and encourage development of energy efficient refrigerants with low or zero global warming potential
- Support the development and implementation of standards, building codes, incentive programs, and voluntary initiatives aimed at reducing building environmental impacts
- Implement holistic and coordinated approaches to identifying and resolving environmental issues at all stages of a building’s life cycle—from conception, design, and construction through operation, maintenance, refurbishment, and deconstruction





## Business Card Ads

by Rod Lancefield

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. It will also appear on the Chapter website.

Cost is \$225.00 for the year; contact Rod Lancefield, [rod@htseng.com](mailto:rod@htseng.com) , (613) 728-7400.



Your card here!

