

# Capital Communiqué

2007 - 2008

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

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

**OTTAWA VALLEY CHAPTER**

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Summer 2007

President &  
CRC Delegate



### President's Message

By Robert Lefebvre

Welcome to the mid-summer edition of the Capital Communiqué. I hope everyone is managing to take some time off to enjoy this great summer weather we have been having.

At May's meeting we had a fantastic turn out with many of our past presidents and their spouses in attendance. We were also treated to having Terry Townsend, the 2006-2007 ASHRAE President give his presentation as our evening program. Read more about it in the What You Missed article by Francois Belair.


I would like to take this opportunity to once again thank 2006-2007 chapter President, Glenn MacLean and the rest of the Ottawa Valley Chapter executive, chairs and committee member for all of their efforts last year. Without the hours of volunteer work that these individuals put in, there would be no Ottawa Valley Chapter.

There has also been a change in guard with the Capital Communiqué. For the last four years, Rod Potter has been the Communiqué's editor. He is stepping down from the position to concentrate more on his duties as the chapter's History committee chair. Georges Maamari will be taking over the position of Communiqué editor. On behalf of the chapter, I thank Rod for the great work he has done with the Communiqué and wish Georges best of luck in his new position.

Attached with the Capital Communiqué, you will find the Chapter Renewal form. We have revised the look and format of the renewal form to make it easier to read and understand. A smaller meeting plan option has been added to provide the flexibility of purchasing four (4) chapter meetings at a discount relative to purchasing them individually. The chapter membership cost is the same as last year, however the cost of the meetings for members and guests gone up. The meeting price increase reflects the increase in chapter meeting costs and is the first increase of its kind in 5 years. The cost of the chapter member's meeting cost is still subsidized by the chapter.

(cont...)

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(cont...)

Looking forward, the 2007-2008 chapter committees are busy this summer preparing the upcoming year's programs and events. The meeting dates this year are September 18<sup>th</sup>, October 16<sup>th</sup>, November 20<sup>th</sup>, January 15<sup>th</sup>, February 19<sup>th</sup>, March 18<sup>th</sup>, April 15<sup>th</sup> and May 20<sup>th</sup>. The program is still being finalized, but some of the topics that we are working on are a seminar on Life Cycle Costing in October, a tour of a local Research project using ASHRAE Research money, a Career Fair for students, a talk on Pool Dehumidification systems, a seminar in the spring on Commissioning, a talk on Indoor Air Quality in Airplanes, and many more.


The annual ASHRAE golf event is coming again this year, but the date has moved from late August to late September to accommodate the ASHRAE Region II Chapter Regional Conference. Look for the announcement in this Communiqué by our golf tournament chair (and past president) Cathy Godin.

Finally, let me wish all of you a good rest of the summer, and look for our next Communiqué in mid-September.

Yours very truly,

Robert Lefebvre, P.Eng.  
ASHRAE Ottawa Valley Chapter  
2007-2008 President

**John Lowery, PEng.**  
Senior Territory Manager



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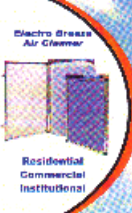


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**Committee  
Chair**



## Membership Promotion

by Christine Kemp  
2007-2008 OVC Committee Chair

ASHRAE Ottawa Valley Chapter would like to welcome our new members.

- - George D Corluka
- - Franco Bonanno
- - Sebastien Laroche

We are also happy to have two new student members: Adam Rysanek & Eyas Haj-Obeid

Welcome!

Christine Kemp  
ASHRAE Ottawa Valley Chapter  
Membership Committee Chair Person



President-Elect &  
CRC Alternate



## What You Missed

May 20th, 2007 Chapter Meeting  
by Francois Belair  
Chapter Secretary 2007-2008

The last meeting of 2006-2007 was the exclamation mark on another fantastic year for the ASHRAE OVC.

The afternoon tipped off with a technical tour of the main mechanical rooms at the Canadian museum of civilization, guided by Mr. Todd Keeley plant supervisor for the both the Canadian Museum of Civilization and Canadian War Museum. Mr. Keeley guided the participants through this still very innovative plant that supports the very tight year round temperature and humidity control systems for both preservation of the collections and comfort of visitors. The plant includes four chiller with heat recovery to the heating loop, excess heat being cooled by raw water from Ottawa river, 10,000 lbs/hr humidification capacity, dual duct ventilation systems and very efficient acoustic control.

Highlights of the business session and dinner were the nominations for 2007-2008 year with incoming president Robert Lefebvre sworn in for the coming year where he led the meeting from the ¾ mark.

The program for the evening was ASHRAE's role in a sustainable future presented by el-president himself Mr. Terry Townsend P.E.. Terry asked audience members to be honest with themselves about their role as engineers in protecting the environment. Having this position of influence over buildings and their mechanical systems, we must be the pioneers in the coming "Reawakening" of construction practices and techniques. The environmental tipping point is now with a critical 12-15 years ahead that will determine our fate as a species.

To address this dire situation, ASHRAE has collaborated on the following initiatives:

- ❖ Clinton climate initiative
- ❖ Architecture 2030 challenge
- ❖ AIA green building coalition
- ❖ Globalization road map report
- ❖ ASHRAE vision 20/20
- ❖ Wal-mart collaboration

While drafting and revising its own guidelines for sustainability, forming the "Advanced design guidance" series of standards:

- ❖ 90.1 – 2010 Perspectives and Performance
- ❖ 189P – High performance for green buildings
- ❖ 191P – Water conservation standard
- ❖ Health care baseline sustainability
- ❖ Low rise residential baseline

Our society has taken the torch to fight climate change and asks its members to do the same. In helping public and private industry, they are developing the green roadmap and working to make these tools available to its vast membership.

Terry proceeded to answer questions for the audience before being presented with a personalized Senators jersey as a token of the chapter's gratuity.

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Committee  
Chair



**NCR NIRAJ CHANDRA REPORT**  
OUR GUY ON SITE

**Winning the war against global warming**

**IMPORTANT NOTE**

This article represents my own personal views, opinions, and knowledge. It should not be construed in any way as representing the viewpoint of the organization I work for, or ASHRAE Society, or the Ottawa Valley Chapter.

Niraj Chandra, P.Eng

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Make no mistake. The fight against global warming is a full-fledged war, with strong armies on the battlefield on either side. There are skirmishes and engagements, attacks and counter-attacks, strategies and counter-strategies, victories and defeats. But above all, there is the fog of war, the cloud of disinformation that makes real success very difficult.

On one side, there are large numbers of environmentalists, mainstream scientists, engineers and climatologists. They are supported by writers, some of the media, many laypersons and, surprisingly, quite a few civil servants.

Opposing them are the oil producers, some automakers, chemical industries, and other big business that wants to preserve the status quo for as long as they can, in order to maintain their profitability. This group can, rightly, be called the global warmers. They have the money and the power, and they can buy into the political system. But right now, the global warmers are on the run, facing a major onslaught from the environmental group, and they are using increasingly defensive tactics.

Their first line of defense is to deny global warming completely. This is done with the help of reports, produced by generously funded “think tanks” that question the very accuracy of the statistical data that supports the notion of global warming. However, this position is getting more and more indefensible as signs of global warming can no longer be ignored - the break-up of the polar ice caps, the melting of glaciers and the drying up of lakes and rivers throughout the world.

The second line of defense is to deny that human beings are responsible for global warming, again, by questioning the accuracy of the scientific data used in climate change models, and looking for absolute proof. This argument, too, is wearing thin, as more people realize that environmental pollution cannot possibly be good for the planet – it will definitely have harmful effects, most probably in the form of global warming.

The next defense is to steal the thunder from the opposition, by using their terminology. This gives the appearance of action when there is none, or very little. Thus every business uses words like energy efficiency, or green, or sustainable. Any new product or service that comes out is “green”. We have green power, green politics, and green communities. Just by not using Styrofoam cups for coffee, we can have “green” meetings.

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**Jack Teevens**  
Region General Manager

(cont...)

The next line of defense is diversion- moving the focus away from the issues that really count to others that have a lesser impact. The bulk of the environmental damage is caused by large-scale emissions, discharges into water bodies, transportation, depletion of natural resources, and building energy consumption. ASHRAE has done a great job for conservation of energy in buildings, as it has set its targets for “net-zero” buildings. But in the other areas, there is little progress. Automakers want us to buy big cars, because that is where the big money is. Hence instead of opting for small, electric cars (the ultimate in energy savings), they develop large hybrid SUVs, creating the illusion of energy savings. North America lags in public transportation systems like trains because the auto manufacturers – always a powerful lobby group- made sure public money was spent on roads and in the expansion of suburbs, so that there is always a demand for cars.

By focusing on other issues, public attention is directed away from the environmental damage causes by large-scale operations like mining, chemical plants, oil companies and, food processing industries. This is simply because the global warmers want it this way and sometimes, they wield enough influence to get what they want.

Another strategy developed by the global warmers is to provide a number of small benefits that give the illusion of environmental action. This is best done using public money, with a little nudging from lobby groups. Thus there are scores of incentive programs, both for individuals and for companies, but very often they count for little. A classic example is the US Energy Policy Act (2005), which runs into hundreds of pages. It has been widely criticized as being heavily slanted in favor of large companies such as oil corporations. Thus it does very little to curb global warming. Many other energy incentive programs fall into the same category.

In the long run, the global warmers cannot win – they have to adapt to the new reality and look for environmentally friendly ways of doing business. We cannot let the global warmers win this fight, because in this battle the stakes are too high – nothing less than the very survival of the human species.

# ASHRAE OTTAWA VALLEY CHAPTER ANNUAL GOLF TOURNAMENT

Mark your calendars - this year's event is to be held

Thursday September 27, 2007

Loch March Golf Club, 1755 Old Carp Rd., Kanata

12:30 p.m. shotgun start

Four-person scramble format (best-ball)

Dinner to follow

Prize raffle for the benefit of ASHRAE Research Canada

Registration information has been issued for past participants. If you would like to be placed on the waiting list, please email your request to

[cathygodin@bellnet.ca](mailto:cathygodin@bellnet.ca)

Hole sponsors and prize donors always appreciated

\*\*\* end of Communiqué \*\*\*



Capital Communiqué

Your card here!

Summer 2007



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