



Airways

Hamilton Chapter No. 037

<http://www.vaxxine.com/ashrae/>

American Society of Heating, Refrigeration and Air Conditioning Engineers

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Our 49th Year

May 2008

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Tuesday, May 13, 2008

Variable Refrigerant Flow (VRF) in Cooling Systems

Feature Speaker

Chris Bellshaw
Daikin AC (Americas), Inc.

Mr. Chris Bellshaw, Applications Support & Product Manager, with Daikin AC (Americas), Inc., has extensive experience with cooling systems incorporating variable refrigerant flow.

Chris has been in his current position with Daikin AC (Americas) since 2005. From 2003 to 2005, he held an Application Support & Consulting Engineering Sales position with Daikin UK. Prior to that, Chris was with a UK company as a Daikin Rep/Distributor and with a Design Build Contractor specializing in the installation, commissioning and servicing of VRF and Split Systems.

Technical Session / Tabletop Demonstration

Bob Mosley
HTS Engineering Limited

Mr. Bob Mosley, HTS Engineering Ltd., will discuss equipment which incorporates variable refrigerant flow.

Royal Hamilton Yacht Club
North End of McNab, On Hamilton Harbour

5:00 pm – Social Hour/Technical Session

6:00 pm – Dinner

7:00 pm – Feature Speaker

Dinner/Feature Speaker

Chapter Members - \$40.00 • Guests - \$45.00 • Students - \$15.00 • Meal Plan - \$140.00

President's Report

The Society-hosted Satellite Broadcast/Webcast was unanimously agreed to be one of the best presentations to date. I would like to note special thank-you's to Johnson Controls for once again assisting the chapter by sponsoring this annual event and to Union Gas which also jumped in and contributed this year. We couldn't hold these events without your generosity.

May's meeting, back at the Yacht Club, will be the last official presentation of the ASHRAE year. This month's topic is **Variable Refrigerant Flow (VFR)** in cooling systems. This topic has sparked a fair bit of interest of late, especially where projects are considering LEED accreditation, as these systems operate at great efficiencies under part load conditions. Please RSVP to Wilf Laman at wflaman@vaxxine.com.

If you haven't had a chance to sign up your team for the Wednesday, June 4th Annual Chapter Golf Tournament, please do so soon so you'll be assured a spot. The registration form can be found in the back of this month's Airways. Please complete and mail it, with your payment, to David Rasmussen.

Should you have any questions or comments, please do not hesitate to call or email me personally.

Warmest regards,

David Hills, A.Sc.T., President 07/08

Upcoming Events of Interest

ASHRAE Annual Meeting

June 21 – 25, 2008
Salt Lake City, Utah
ashrae.org/events/page/1628

Upcoming Chapter Meetings

Wednesday, June 4/08 (not 2nd Tuesday)

Theme: Social / Research

ASHRAE Hamilton Chapter Golf Tournament at Legends on the Niagara (Battlefield course) – Niagara Falls. Registration form attached (**register now**).

ASHRAE Hamilton Chapter Golf Tournament

Now that the snow is gone . . . it's time to sign up for golf!

We are back at Legends On The Niagara—this time, we are playing the Battlefield Course. Once again, it's going to be a scramble format.

We started out well after the March insert. However it came to a grinding halt as of 2 weeks ago. I have 12 new golfers signed up but the "regulars" are being slow to register. Please take the time to complete the attached form and send it in to secure your spot. I can accommodate 120 golfers to again allow for a "shot-gun" start.

Again, we have hole sponsorships at a cost of \$125 for new sponsors and \$75 for past sponsors. This traditionally makes or breaks our tournament. I have kept the cost at \$150 for the past 14 years . . . mostly in part to our hole sponsors. If you are in a position to sponsor a hole, please let me know.

I am again doing the gift cards as prizes. I welcome any gift card in either \$10, \$20, \$30 or \$40 denominations. Thanks in advance, however please let me know ahead of time.

Still thinking about it . . . then check out the website at www.niagaraparksgolf.com/legends/ then click on Battlefield Course. If you played it 2 years ago, you'll agree that it's well worth it!

David Rasmussen, Social Chair 07/08

Chapter Board of Governors Seeks New Members

Your Chapter Board of Governors is always looking for new members to sit on the board and its various committees. If anyone out there is interested in becoming more involved in the activities of the Chapter, please speak to one of the current members.

Region II C.T.T.C. Newsletter

The Spring 2008 C.T.T.C. Newsletter is attached to this month's Airways Bulletin.

Historical Bio – Philip Doyle Manufacturing Inc.

In the late 50s when the ASHRAE Hamilton Chapter was chartered, industrial air conditioning and refrigeration was growing exponentially in the Hamilton area with its large industrial base that was now benefiting from a variety of new concepts in cooling applications. 5000 HP mill motors could operate now in a controlled environment without loss of production. Mill pulpits, electrical rooms, crane cabs were now being cooled. At this time, many of the Hamilton Charter Members were involved in this very specialized new industry and one company, still active today, evolved as a major player.

Philip Doyle Manufacturing, a local Hamilton company, with international experience began in Hamilton in 1966. Philip Doyle, a Hamilton Chapter Member and local entrepreneur with a wealth of knowledge and experience in HVAC saw a unique market opportunity to start a company devoted to making industrial duty air conditioning units for severe applications that were at the time, too difficult to service. For a number of years, Phil had been the primary engineer for Douglas Refrigeration a company in the HVAC business in the Hamilton area at the time of the Hamilton Chapter chartering. However, in the early 60s, Douglas shifted his business into real estate. This was not of interest to Phil who enjoyed the challenges of the HVAC engineering field. He decided to buy up the refrigeration assets of Douglas Refrigeration and form his own company in 1966.

For the first few years Philip Doyle worked as a sole proprietor with a small work crew in the rented facilities of Douglas Refrigeration, which adjoined a Honeywell office, on Parkdale Avenue in Hamilton where current and charter member Gary Elliott worked. Philip Doyle's new company quickly developed into a major contractor and service company in the steel business. Soon the company expanded into the new 'environmental control' business, including successfully building DC powered HVAC systems for large mill cranes which were subjected to extreme temperatures, dust and odour conditions and were considered impossible to control temperatures inside the crane cabs.

In 1967 the company moved to Covington Street, where they are still located. In the spring of 1971 Philip met Bill Mercuri who had years of steel mill experience and he invited Bill to join him at the company. Although Philip had practical engineering ability, Bill now brought his Professional Engineering designation to the firm.

Together Philip and Bill began designing and

manufacturing fan filter units, air conditioning and some small pulpit HVAC systems for use in the steel industry. The early years were devoted to providing both product and service to the local steel industry. From 1966 to 1973, 85% of the business was involved in Hamilton and Southern Ontario.

In 1973 Philip Doyle entered the Quebec market. The substantial contract awarded prompted the development of standardized models as part of the product mix. Although there are currently a wide range of standardized units, Philip Doyle today is known across North America for their uniquely customized Engineered Cooling Systems and Enclosures. From the beginning all products have been built to work in the toughest industrial and severe environmental conditions. The longevity of the equipment has greatly contributed to the reliable reputation of Philip Doyle products.

Sturdy performance of the A/C units helped to extend Philip Doyle's market outside of the Hamilton area. In the early 50's Philip began considering the comfort of personnel working in the harsh steel environments. In his visionary manner he began to build and offer employee comfort stations to make performing work in hot and dirty environments more tolerable. This small beginning has grown to a full range of Control Rooms for multiple industrial applications.

In 1975 expansion into the United States encouraged further product development when the company was contracted to provide six 50 ton water cooled electrical room HVAC units and several Caster mill Operator pulpits.

In 1976 Philip Doyle welcomed his son Michael Doyle into the company. Products and markets continued to expand until the recession in the early eighties. During the recession of 1982 the company was split into two operating units. One division was devoted to handling mechanical servicing of units in the field and the other to production operations.

Always devoted to the local steel industry Philip Doyle Manufacturing was determined to continue the growth and expertise of the company. It was this future growth toward stability that prompted continued expansion into the United States. It was on one of these trips in 1983 that disaster struck the company. On a routine flight returning home from Chaparral, Texas there was a fire on the Air Canada plane and the plane was forced to land in Cincinnati. Philip Doyle and 22 other people died almost instantly from toxic fumes, leaving a very substantial gap in the leadership of the company. It was at that point that Bill Mercuri became President and Philip's son Michael Doyle became Vice President; roles that continue to this day.

Airways – ASHRAE Hamilton Chapter – May 2008

It was the expansion into Quebec and Texas that provided the key historical transformation from a small local company into one serving all of North America. These two contracts stimulated the confidence to expand sales efforts to anywhere in North America and to engineer larger projects that reflect the unique requirements of their customers.

The Texas contract prompted the design and manufacture of the first of a kind Casting Personnel Cooling Units. Conditions of workers in the casting operation were extreme, with temperatures ranging to the 150° F. This new design was built with their comfort and safety in mind. The floor mounted air-cooling nozzles were located within 10 feet of the casting floor personnel, allowing them to work in a more reasonable 85° F environment during casting. This project used the patented Philip Doyle Manufacturing special design of dual pane sealed windows for crane cabins to improve the cooling efficiency for high radiant heat exposure crane cabins. This design is ideal for use in furnace charging, ladle and other hot billet type crane units and is now used on many of the Philip Doyle installations throughout North America.

Until 1985 Philip Doyle was primarily dedicated to HVAC designs. Today the product line includes cabs and enclosures in light, medium and severe duty construction. The hermetically sealed units protect electrical control equipment, control humidity and prevent excessive fumes causing operator discomfort, such as headaches or eye irritations.

The company branched out to provide crane cab and electrical control room HVAC systems for the Cement Plant industry. Other developments included the design and supply of Electrical Control PCR rooms complete with our industrial duty HVAC systems for the Electrical Power Utilities industry across North America.

From 1982 to present, Philip Doyle Manufacturing expanded across Canada from Nova Scotia to British Columbia, across the USA, with a number of completed units going to India, Ireland, Thailand, Venezuela, and Mexico.

In 1999 Philip Doyle Manufacturing achieved ISO 9001 certification, which it currently maintains. From the beginning, the company included design within their scope, since design is such a critical part of their reputation and their valued strategic relationships.

Philip Doyle now partners with well known international crane companies. These relationships have allowed Philip Doyle to enter new industries, such as, oil

refineries, using stainless steel cabins, as well as, systems for their industry cranes with chemical effluents.

Early design efforts firmly established the history of design, engineering and manufacturing expertise that ensures Philip Doyle units withstand any environment. Although the early concentration was with the Foundries and the Steel Industry, Philip Doyle Manufacturing also designs and manufacturers for a variety of industry sectors such as:

Primary Metals	Aggregate & Cement
Aluminum Mills	Coke Ovens
Construction	Chemical Processing
Oil & Gas	Utilities
Waste Treatment	Mining
Off-Shore Drilling Rigs	Pulp & Paper

Philip Doyle has developed a design team that understands the requirements for their units to continue performing even in the harshest atmospheric conditions. Functionality is designed into each unit to provide an ideal solution for heavy or continuous duty in hot, dirty, dusty, corrosive, and severe environmental conditions.

Customization and listening to customer's concerns have earned the company loyalty among their customers. Although standardized units are available, the attraction to Philip Doyle is their customized solutions.

Philip Doyle is a major contributor to ASHRAE research programs and continues to support the activities of the Hamilton Chapter. Their dedication to unique designs and customization has been the key to stability for the company and promises growth for the future.

*Submitted by George Menzies, P. Eng.
Chapter Historian 07/08*

ASHRAE News Releases

ASHRAE Technical Program Focuses on Benchmarking

ATLANTA – Establishing a basis for measuring performance of buildings is the focus of the technical program at ASHRAE's 2008 Annual Meeting. The meeting, with a theme of Building Performance, takes place June 21 - 25, Salt Lake City.

Building Performance Highlighted in ASHRAE's 2008 Annual Meeting

ATLANTA – The mountains of Salt Lake City provide the perfect backdrop for scaling the peak of performance at ASHRAE's 2008 Annual Meeting.

Lessons from ASHRAE Roundtable on High-Performing Buildings Shared in Video

ATLANTA – Early involvement by all members of the building team is crucial to the success of high-performing buildings, according to panelists in a new video from ASHRAE.

Click here for complete news releases.

ASHRAE Standard 90.1-2007 Training Programs

The following information, sent by Brian Haynes, Marketing Specialist, ASHRAE Learning Institute (ALI), may be of interest to Chapter members.

There has been a great deal of interest in related to ANSI/ASHRAE/IESNA Standard 90.1-2007. I would like to inform you of several Standard 90.1 training programs that the ASHRAE Learning Institute offers and that chapters can schedule.

Please click on the links below or contact Ericka Reid, Manager of Professional Development, at 678-539-1146 for more information and scheduling.

Chapter Training

ALI offers its courses and seminars to ASHRAE chapters to make authoritative technical instruction available locally. Chapters can schedule full-day seminars or half-day courses, setting registration fees at whatever level they desire. For each course and seminar, ASHRAE provides the instructor, course materials, certificate of completion for each attendee, and PDH and CEU credits. Pricing is based on size of chapter.

Also of interest are these other 90.1 training opportunities:

ASHRAE eLearning

ASHRAE eLearning is a cost effective, web-based training program that can be taken anywhere, anytime at your own pace. ALI offers both Fundamentals of Standard 90.1 and Standard 90.1 for Architects as eLearning courses.

ASHRAE 2008 Annual Meeting

On Saturday, June 21, ALI will present the full-day seminar, Complying with Standard 90.1-2007 in conjunction with ASHRAE's 2008 Annual Meeting in Salt Lake City, UT.

Online Course Series

Our Online Series occurs each Spring and Fall with a host of 3-hour courses that ALI provides with live online instructions by industry experts. As part of the 2008 Spring Online Series, Exceeding Standard 90.1-2007 will be offered on Wednesday, May 7, from 1 p.m. to 4 p.m.

Airways – ASHRAE Hamilton Chapter – 2007/2008 Sponsors



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Airways – ASHRAE Hamilton Chapter – May 2008

2007 – 2008 Meeting Schedule

This year's meeting schedule is summarized below. Except for some special events, all meetings will be held at the Royal Hamilton Yacht Club, at the north end of McNab St., on the Hamilton Harbour (If you need a map, visit our web site). New products and/or services may be presented informally via a "technical session" or a "table top demonstration" prior to dinner. After dinner, the main topic of the evening is presented by the "feature speaker". If you are interested in presenting a technical session, booking table top space to promote your product and/or service or, if you have a suggestion for a feature subject and/or speaker, please contact Terry Fowler (Programs Chair). There is a charge of \$75.00 for "table top demonstration" space and this includes a business card ad for two months.

ASHRAE Hamilton Chapter Program Activity			
Date	Theme	Technical Session/ Table Top Demonstration	Feature Speaker
May 13, 2008	Refrigeration	Bob Mosley HTS Engineering Ltd. Variable Cooling / Refrigerant Flow	Chris Bellshaw Daikin AC (Americas), Inc. Variable Cooling / Refrigerant Flow
June 4, 2008 (not 2 nd Tuesday)	Social/ Research	Legends on the Niagara — <u>Battlefield Course</u> Annual Golf Tournament	

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ASHRAE HAMILTON CHAPTER **SCRAMBLE GOLF TOURNAMENT**

DATE: WEDNESDAY JUNE 4, 2008

LOCATION: LEGENDS ON THE NIAGARA, NIAGARA FALLS, ON

COST: \$150.00 PER PERSON

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IF A SINGLE PLAYER, PLEASE INDICATE YOUR "NORMAL" SCORE FOR 18 HOLES:

75 - 85 86 - 96 97 - 107 108 - 118 119 OR OVER

SHOTGUN START AT 1:00 P.M. SHARP

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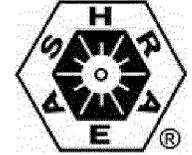
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E MAIL: drasmussen@delhi-industries.com

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ASHRAE

CTTC ISSUE UPDATE

Chapter Technology Transfer Committee

2008 ASHRAE Satellite Broadcast/ Webcast: “Integrated Building Design: Bringing The Pieces Together To Unleash The Power Of Teamwork”

By Bill Williams, P.E, LEED-AP
CTTC Communications Coordinator

April 16, 2008 1-4 p.m. Eastern Time

After the success of the 2007 program (remember, it was the one about Indoor Environmental Quality?), the Ad Hoc Committee had its work cut out for itself to provide a program of similar quality. As the program has evolved, I must say: **DO NOT MISS THIS PROGRAM!** I promise, you will not be disappointed. I pledge a money-back guarantee.

The Committee's goals remained the same, provide value to the membership, relevant information that the membership could use in their daily work lives, and provide resources that could be posted and/or downloaded from the broadcast website. After you see the program, I believe you'll agree that we have exceeded those goals.

As of this writing, registration is more than double than last year's program at the same time. This reflects the marketing efforts of Society, active lobbying with sister organizations (AIA, BOMA, IFMA, and others), and generating interest with the grassroots membership via the CTTC Chairs (thank you, CTTC RVCs!).

As always, we value your opinion. Follow the instructions on the screen and let us know how we performed. This broadcast is for you, so candid feedback will help us meet your needs. And we're always looking for new ideas.

Online registration is in progress at <http://www.ashrae/ibdbroadcast.com>. There is no fee for registration. For additional information, email ashrae-satellitebroadcast@ashrae.org or call 678-539-1139.

CTTC-Operations Subcommittee: Notes From New York City

By Guy Perreault
CTTC Vice Chair, Operations Subcommittee
Chair

During the New York meeting, the CTTC Operations subcommittee discussed ways to facilitate the communication of information to the chapter CTTC chairs in order to help them accomplish their duties. Other subjects of discussion were ideas to facilitate the work of the RVC's in guiding the chapter chairs. Some suggestions: The improvement of the CTTC page on the Web site, articles in Insights, recommendations for the 2008-09 PAOE and the improvement of the CTTC training at the CRC. Finally, a topic for the 2009 Satellite Broadcast/Webcast was selected.

In order to improve the navigation of the Website a few suggestions were brought forward; include the CTTC page in the list of shortcuts on the home page of the ASHRAE website, the addition of the list of topics at the top of the CTTC page with links leading to their respective section and a new Power Point presentation prepared by Rick Des Lauriers (RVC region X) on the Technology Award. A link to the new ASHRAE Speakers' Bureau will also be added which we help the chapter find and evaluate speakers whether they are DL, Refrigeration, College of Fellows or speakers on any other topics. This database is in its early stages and we are open to comments and suggestions to improve it.

We are hoping to get a few articles in Insights to promote some of the CTTC Award like the Dan Mills and the Government Activities Award. The subcommittee requested the help of the Refrigeration Committee to write articles to promote the Milt Garland Awards and the Refrigeration Comfort Cooling Award. The Satellite Broadcast committee will also be writing a couple of articles to first promote the April 2008 Broadcast/Webcast and then another to give the results and comments after the event.

In order to eliminate some of the uncertainties with respect the PAOE points, a guide to help understand what is eligible and what is not will be developed. This tool should reduce non-uniform interpretation of the

PAOE points which seemed to vary greatly from chapter to chapter. The subcommittee also gave a list of recommendations for the PAOE for next year, notably on the GAME activities which were not clearly defined. Obviously, we will only find out if the recommendations are implemented after we receive the PAOE Letter from incoming president Mr. Harrison in the spring.

We want to improve the CTTC CRC workshops by giving the RVC's some training to become better speakers. A user guide for the new speaker database is being developed and will hopefully be ready for the spring CRCs.

Finally, the subject for the 2009 Satellite Broadcast/Webcast was selected and will be Retro and Re- Commissioning of buildings.

**Member Services Subcommittee:
Work Results From New York**

**By Ben Crowley
CTTC Vice Chair, Member Services
Subcommittee Chair**

During the 2008 Winter Meeting the CTTC Members' Services Subcommittee discussed a number of the programs that link the Technical Activities of ASHRAE to the membership of ASHRAE through the Chapters.

We spent a significant amount of time discussing the Distinguished Lecturer (DL) Program. This has been, and continues to be, one of the most successful programs that we manage. As of the middle of January nearly all of the 109 DL visits allocated for the 2007-08 Society year have been scheduled. Chapters are already planning to use 32 of the 49 available DLs. Some of the most utilized DLs are Thomas Lawrence, Tom Werkema, Carl Lawson, Mitchell Swann, Larry Spielvogel, Julian DeBullet, Victor Goldschmidt and Stan Mumma. The Event Summary Critique Forms received both from the Chapters and the DLs indicate that the speakers continue to be well received by the Chapter membership. As we actively maintain the DL roster at each meeting, the sub-committee voted to request extensions of the tours of 21 of the current DLs and to make new invitations to 15 previously nominated individuals.

The sub-committee generated several action items to fine tune the DL program and to make the program even better for the speakers and Chapter members.

The sub-committee continued their discussion of the work required to update the Technology Awards. This has been a long and difficult task balancing the competing desires of promoting forward thinking use of technologies of our industry and the perceived desire of the membership for simplification and objectification of the submittal process.

Additionally, the sub-committee announced the selection of a winner of the Chapter Programs Star Award.

The sub-committee discussed the need for a comprehensive approach for marketing the Satellite Broadcast, DL Program, and Technology Awards both within Society and to the general population.

Finally, the sub-committee reviewed the progress on the release of the new ASHRAE Speakers' Bureau. In cooperation with the ASHRAE College of Fellows, the development of this new Speakers Database will provide one-stop-shopping within ASHRAE for speakers on a host of ASHRAE related technical topics. All of the existing speakers lists maintained by various ASHRAE committees will eventually find their way into this single repository for use by anyone looking for a speaker. The beta-testing of the Speakers' Bureau is nearing completion and a formal rollout on the ASHRAE website will begin in February 2008.

ASHRAE Learning Institute (ALI)

By Tim McGinn, ALI Liaison to CTTC

ASHRAE chapters have the opportunity to offer ASHRAE Learning Institute (ALI) half-day or all-day courses to their members. The ALI makes the courses available for a flat fee based on chapter size – at a significant discount from the price at ASHRAE meetings or as part of an online seminar series.

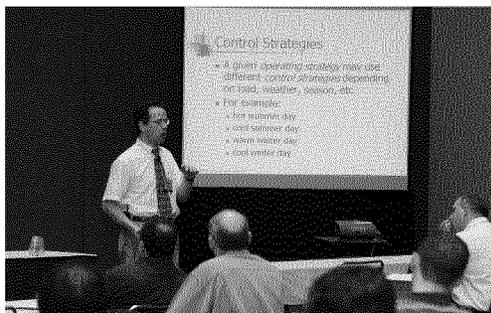
	Less than 100 Area Assigned Members	101 to 300 Area Assigned Members	More than 300 Area Assigned Members
Half Day Short Course	\$1,000	\$1,500	\$2,000
1- Day Seminar	\$2,000	\$2,500	\$3,000
2- Day Seminar	\$3,000	\$4,000	\$5,000

Note: A surcharge will be applied if a speaker is traveling to another continent to present a course or seminar for a chapter.

Each chapter can set its own registration fees to recover costs, to provide a service to local members, or to raise funds for ASHRAE Research or other activities. ASHRAE will pay the speaker fees and travel costs; the chapter will coordinate and pay for the location, logistical arrangements, and publicity. Student materials are ordered from ASHRAE prior to the presentation at the cost of \$15 per student for half-day course materials and \$25 per student for all-day course materials.

Available Topics

- Standard 90.1
- Standard 62.1
- Ground Source Heat Pumps
- Master Format 2004
- Standard 90.1-2007
- Direct Digital Control (DDC)
- Life Cycle Costing
- Facility/HVAC Terrorism Threat
- Mechanical Systems
- The Commissioning Process
- Piping Systems
- Commercial Desiccant Dehumidification Systems
- BACnet®
- Engine-Driven Chillers
- Panel Heating and Cooling
- Humidity Control
- Green Buildings
- Thermal Energy Storage Systems
- Leadership Skills for Engineering Leaders
- Seismic Restraint Design



To schedule a course or seminar for your chapter, contact ASHRAE Professional Development by email at edu@ashrae.org or by phone at 404-636-8400 ext. 1146. Visit www.ashrae.org/ali for a complete list of courses and seminars.

Government Activities Update

By Tom Werkema. CTTC Government Activities Consultant

Climate:

- The Senate Lieberman-Warner Climate legislation is projected to be debated in early June. This contains a separate Title (X) for an HFC Cap and Trade program. Various interests continue to debate details, but this would allow the continued use of HFCs for the next few decades. Many expect the Senate debate to not be conclusive, but to rather establish the premise for continued discussions in 2009 and 2010.
- The House has published 3 climate change White Papers covering Relevant Level of Government, Competitiveness/Engaging Developing Countries and fundamental elements. Congresswoman Pelosi has pulled back from her demand that the House initiate legislation by July 4.
- All three leading Presidential candidates have endorsed Climate Change Cap and Trade programs, limiting greenhouse gas emissions from facilities.
- EPA has been sued by 18 States, 3 cities and 11 environmental groups for failing to regulate auto tailpipe emissions.
- British Columbia initiated Canada's first Cap and Trade program, with proceeds to fund their budget.
- California Air Resources Board hosted their first subsector meeting to discuss Commercial & Industrial refrigeration emissions. They will host Foams and Domestic Refrigeration meetings in May. Plans will be developed in 2008/2009 and regulations established before 2010.
- Southern governors have committed to a regional greenhouse gas initiative, which joins the northeast, midwest and western efforts.

Ozone

- The Montreal Protocol is discussing funding HCFC phase out projects in developing country, as a result of the increased reductions required by the Montreal Protocol (September, 2007).
- Effective with the OEM phase out of HCFC use on 1/1/2010, EPA must allocate continued production/import allowances for the service

sector. They expect to publish a Proposed Rule yet this year for finalization next year.

- Canadian EPA proposed allocating only 65% of their baseline post 1/1/2010. This will severely constrict servicing of existing HCFC equipment in Canada and is only half the allocation provided by the Montreal Protocol.
- Mexico has established an HCFC allocation program which restricts total imports to a limited population. It does not currently constrain their market.
- Some illegal HCFC imports have been noted in the US. All imports require allocation rights. 20 containers were returned to China. Any bona fide importer or producer should have a record of allocation rights provided by EPA.
- ASHRAE has initiated activity to update its Position Documents of Climate Change and on Ozone Depletion.
- ASHRAE will unveil a new public policy guide at the Salt Lake City meeting of CTTC. Developed by the Washington Office and Advocacy Committee, this Guide provides advice focus on local chapters.

Update From The Chair

By Monte Troutman. CTTC Chair

Chapter CTTC Chairs are now eligible to be reimbursed for travel to & from the CRCs! Fill out the form and submit it to your DRC. Don't forget, you may allocate your travel reimbursement funds to ASHRAE Research. What an easy way to get to Honor Roll level (\$100)!