

SEPTEMBER 30, 2005

Meeting Notice

Tuesday October 11th, 2005

@ The Willows Golf & Country Club

Speaker: Gord Mattes of Valley Technologies

Topic: Gas Monitors

5:30 - 6:00	Cash Bar
6:00 - 6:45	Supper
6:45 - 7:15	Chapter Meeting
7:30 - 8:30	Dinner Speaker

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



ASHRAE
SASKATOON

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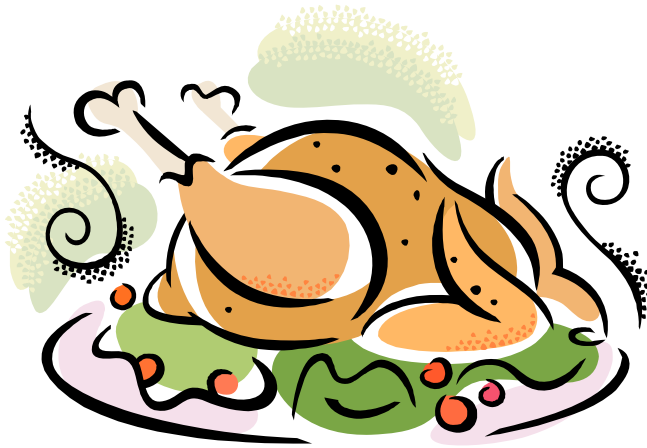
**Membership
Promotion**
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Daniels Wingerak
Engineering

Education
Paul Khanna
Kelsey Institute

Historian
Jack Scott
HVAC Sales

Refrigeration
Vacant

**Chapter Technology
Transfer**
Chris Conley
Daniels Wingerak
Engineering



Treasurer's Report

To date, we have 13 people signed up for Meal Plan A. The meal plan invoice is included with the newsletter. Please complete the invoice and return with payment to me by Tuesday, October 11, 2005, at either the meeting or to Daniels-Wingerak Engineering. If payment is not received I will be looking for the pay-as-you-go fee at the meeting. Thanks.

Sincerely,
Ryan MacGillivray, ASHRAE Treasurer.

Energy Answers

Rob Dumont

What country in the world is doing the most with innovation in renewable energy?

Germany

Recently my family and I visited Germany, traveling from Berlin in the Northeast down to Freiburg in the Southeast. One striking new part of the landscape is the renewable energy presence. Wind installations are seen throughout the countryside. Germany is now the world leader in wind-electric installations, with 16,628 megawatts installed as of 2004. By comparison, Canada had 444 megawatts of wind installations, less than 3% of Germany's capacity. The next nearest country to Germany is Spain, with 8,200 megawatts installed. Germany currently gets about 6% of its electricity supply from wind. An impressive 38,000 people are already employed in their wind industry.

Germany has no extensive land below sea level like New Orleans, but it too has been hit by climate change this year. Extensive flooding occurred in the southern part of the country in the latter part of August this year. Unlike the United States, however, Germany is aggressively doing something about the root causes of climate change, investing heavily in renewable energy systems to displace fossil fuel consumption and greenhouse gas emissions. The goal, says Jürgen Trittin, Germany's environment minister, is to continue "making Germany the world leader in alternative energy and in taking action against global warming."

Wind is not the only renewable energy investment visible in Germany. Very large numbers of solar electric systems and solar water heaters are evident on houses and barns throughout the country. I even saw a Mercedes Benz plant near Stuttgart with solar heating panels on it.

Renewable energy sources are expected to power 20% of the country by 2020, and one plan has Germany getting 50% of its total energy supply from renewables by 2050. As regards the Kyoto target of an 8% cut in emissions by 2012, Germany has already achieved a 19 % cut, admittedly in some part due to the shutting down of energy inefficient factories in the former East Germany. However, the renewable energy investments such as wind and solar have greatly aided in achieving, indeed overachieving, the Kyoto target.

Coupled with its renewables policy is a serious conservation effort. Germany, with a population of 82 million people, has the fifth largest economy in the planet and a standard of living measured in purchasing power parity that is within 10% that of Canada. Yet its per capita oil consumption at 12.8 barrels per person per year is about half of Canada's, and its per capita electricity consumption at 6300 kilowatt-hours per year is 58% less than Canada's. While it is true that Canada has a much larger and somewhat colder country, the percentages of people who live in urban areas in Canada are comparable to those in Germany.

Energy efficiency is especially visible in its transportation system. I had the privilege of traveling on an ICE (Intercity Express) train to Frankfurt at speeds up to 300 km/h. Germany's train system is clean, on-time, has newer equipment, and, unlike Canada's train system, is a serious part of the transportation system. SMART cars, the energy efficient two seater vehicles produced by Mercedes Benz, are widely seen in urban Germany, and land use policy discourages urban sprawl.

From Solplan Review Magazine, Box
86627, North Vancouver, BC, V7L 4L2?
An annual subscription to the
publication is \$48.15 including GST.

How did Germany get such a lead in renewable energy? The Red-Green alliance of the Social Democratic Party and the Green Party has been the prime mover in developing a regulatory and incentive framework that makes renewable energy installations possible. According to Michael Levin, a free-lance journalist in Berlin, "A key feature of the energy act is its 'feed-in tariff' which stipulates a fixed, higher price paid by transmission companies to producers of renewable fuels for every kilowatt-hour of clean energy they feed into the grid. The extra cost is then tacked onto consumers' monthly energy bills. The genius of the subsidy is that it forces consumers, not companies or the government, to foot the extra direct cost of producing renewable energy-but at a price they hardly feel."

"For example, the average German household today pays an extra 0.4 cents per kilowatt-hour of electricity it receives from wind, adding a modest total of about \$17 to the yearly power bill. By 2020, renewables are expected to power 20 percent of the country, and the consumer household tax is likely to rise one cent per kilowatt-hour or less-a cost that economists say will hardly be felt, thanks to improvements in energy use and efficiency."

A photo of one of the large wind turbines built by Enercon, a German firm that is the second largest wind electric company in the world, is shown below.



Membership News

Previous Meeting Attendance: Many thanks to those who attended the September 2005 local Chapter and listen to the presentation by Tom McDermott from the Saskatchewan Research Council and his presentation on Residential Building Energy Reduction. Those in attendance were,

Ryan MacGillivray	Brad Chisan	Tom MacDermott	Doug Freeman	Keith Morson
Grant Roming	Reg Povey	Ted Gaudet	Chris Conley	Hector Drolet
Robert Bergen	Kirk Campbell	Reg Hofmann	Bruce Waldbillig	Jonathan French
Jack Scott	Paul Khanna	Trent Washkosky	Dean Buchholz	Mike Osborn
Greg Scrivener				

New Member: I would like to congratulate and welcome Linda Lin with UMA Engineering Ltd. for becoming our newest Chapter Member. Linda has been recruited by Peter Hooe in the Member Get a Member Program. As a member recruiter, Peter will be receiving a \$10.00 ASHRAE gift certificate. For more information on the program click on the following link;

<http://www.ashrae.org/template/AssetDetail/assetid/46948>

Rosters: Saskatoon Chapter 2005-2006 rosters will be updated for the current year. Personal information and privacy issues have been a concern with other ASHRAE Chapters. The Saskatoon Chapter is attempting to address this issue by having all local members complete a consent form to have their personal information included in our roster and on our webpage. Please take the time to fill out the enclosed consent form a fax it back to me. Information for any updates will be downloaded from Society's database. Ensure your contact information is current and make any revision necessary. An updated roster should be available by November.

Web Site: Check our web page for all the latest news on our local chapter.

<http://www.saskatoon.ashraechapters.org>

Jeff A. Frie A.Sc.T.

Membership Promotion Chairperson



ASHRAE® American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

ASHRAE Chapter 102
Saskatoon

Personal Data

Consent Form

Last Name

First Name

Consent for Collection, Use and Disclosure of Information

By selecting “yes”, I consent to the collection and use of my personal information (*not including e-mail address*) by the ASHRAE Saskatoon Chapter 102 for the purposes of preparing and printing of the local Saskatoon Chapter Roster, and providing contact information on the local web page for chapter officers and committees.

☐ **YES**

☐ **NO**

Consent for Collection, Use and Disclosure of E-mail Addresses

By selecting “yes”, I consent to the collection and use of my e-mail address by the ASHRAE Saskatoon Chapter 102 for the purposes of preparing and printing of the local Saskatoon Chapter Roster, and providing contact information on the local web page for chapter officers and committees.

☐ **YES**

☐ **NO**

Signature of Recipient

Today's Date

Please print and fax to: **Daniels Wingerak Engineering Ltd.**
(306) 477-1995
Attn: Jeff Frie

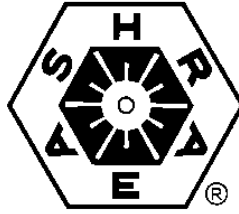
This document describes the activities of the Saskatoon Chapter of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE). It does not present official positions of the Society nor reflect Society policy. ASHRAE is not responsible for this content. To learn more about ASHRAE activities on an international level, contact the ASHRAE home page at <http://www.ashrae.org>.

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Saskatoon

Revised: Sept 30, 2005

1 of 1



ASHRAE Saskatoon Chapter is pleased to present:

Fundamentals of HVAC

Fundamentals of HVAC is a two day course aimed at providing a fundamental understanding of the how HVAC systems function in controlling temperature, moisture content, air quality and air circulation.

TOPICS INCLUDE:

- **Basic functions of components that form HVAC systems**
- **Layout and functioning of common HVAC systems**
- **Space and load determination**
- **Strategies for operating and their means of control.**

DATE: October 26th and 27th, 2005. Lunch will be provided.

REGISTER BY: October 14th, 2005.

COST: \$350.00 for local ASHRAE Saskatoon members
\$400.00 for non-members.

Seating is limited. To reserve your spot or request additional information contact:

Chris Conley at chris.conley@dwel.com or (306)477-0678.

Additional Information including instructor bio available at:

http://www.saskatoon.ashraechapters.org/main_page.htm

Pay early & avoid the nagging follow up calls

Please complete the attached Invoice indicating which method of meal payment you would like to participate in; Plan “A” – prepayment, Plan “B: - pay as you go.

To participate under Plan “A” and/or to be a roster sponsor, please mail your payment as indicated or bring to the September / October Meeting.

If you plan on participating under Plan “B” please complete the attached form and fax it to 477-1995.

Please note the Roster Sponsorship as well. The Roster will be coming out soon so this will be your only Chance to have your company identified!

DEADLINE for PAYMENT: OCTOBER 11TH



INVOICE

ASHRAE SASKATOON

Member Information

Name:	
Company:	
Street:	
City:	
Postal Code:	
Phone:	
Fax:	
Email:	

2005 / 2006
Meal Plan

Selections	ITEM	COST	AMOUNT
	Plan "A" Includes Saskatoon Chapter monthly newsletter & meals for all regular meetings. Your Name will be included in our local Chapter Roster.	\$90.00	
	Plan "B" Includes Saskatoon Chapter monthly newsletter, Meals are pay as you go @ \$20.00 / meeting.	\$0.00	
	Roster Sponsor Roster Sponsors Recognition is given to sponsoring members / companies in the roster.	\$20.00	
		TOTAL	

Please return payment with this invoice form to:

ASHRAE Saskatoon
Attn: Ryan MacGillivray
Box 7043
Saskatoon, SK S7K 4J1

ASHRAE Saskatoon Chapter General Meeting Minutes

September 13, 2005

I. Call to order

- Reg Hofmann called to order the regular meeting of the ASHRAE Saskatoon General Meeting at 7:05 p.m on September 13, 2005 At the Willows Golf & Country Club.

II. Reading of minutes from last meeting

- The meeting minutes from the April meeting were read by Bruce Waldbillig. Jack Scott made a motion to accept the minutes as read which was seconded by Brad Chisan.
- There were no changes or omissions
- A vote to accept the minutes as read or amended was passed unanimously

III. Reports

Treasurer – Ryan MacGillivray

- Audit was performed August 5th, 2005, Summarized report was read by Ryan MacGillivray.
- Meal plan 'A' was increased to \$ 90.00, plan 'B' remains at \$20.00 per meeting
- Account balances were given
- Balanced budget was developed based on the meal plan increase.

Programs - Kirk Campbell

- The October meeting speaker will be Gord Mattes from Valley Technologies of Winnipeg. His topic will be on gas monitoring.
- The Speakers have already been arranged for the September, October, November, January and March meetings

CTTC – Chris Conley

- Jerry Boulanger will be speaking on the Fundamentals of HVAC Design on October 26th /27th.
- The course is certified, so 7 hours of continuing education credits will be given.

Student Activities – Paul Khanna

- 35 SIAST students are registered for the first semester of classes.
- 29 SIAST Students are in their 2nd Year
- Paul expects approx. 20 new ASHRAE student members
- Carey Simonson has ordered 40 ASHRAE Handbooks
- Student rates \$ 16.00 for membership & \$49.00 for the ASHRAE Handbook.
- SIAST ASHRAE Library hasn't been fully cataloged yet, all local members will have access.

History – Jack Scott

- Get ready for the John Ross Curling Bonspiel which will be approaching fast.

Membership – Jeff Frie

- Norm Hain of Hain Engineering & Carey Simonson of the Uof S have both upgraded their membership to member grade.
- Summary of the 2005 CRC report was read
- 2005/2006 Membership Rosters will be available in November
- Membership delinquencies are quite high, watch for renewal notices.
- Local Chapter website up to date
- Will be 2 Membership promotion nights, 1 in November and the other co-ordinated with a student night in Early 2006.

Research Promotion – Mike Osborn

- Will be starting the research campaign in the next month .

IV. New business

- a) Reg Hofmann raised the question of the 'Privacy Rules' and how they will affect our Local chapter. The Roster distribution will have to follow the new privacy rules. It was suggested that a release form would be sent to all members.
- b) The topic of adding a new ASHRAE Handbook to the SIAST Library was raised by Mike Osborn. If anyone has a suggestion please bring it to the attention of the Board of Governors.

V. Adjournment

- Mike Osborn made a motion to adjourn the meeting , which was seconded by Chris Conley. Meeting adjourned at 7:32 p.m.

Minutes submitted by: Bruce Waldbillig