



AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS INC.

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

Mon Oct 27/2014

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Topic

BIDDING PROCESSES

OPEN PANEL DISCUSSION ON THE DIFFERENT FORMS
OF TENDERING, BUILDING & CONSTRUCTION

Design Build

PPP

Construction Management

Bid Spec

Ivey Spencer Leadership Centre

551 Windermere Road
London ON

Meeting - Mon Oct 27/2014

5:15 pm Social

6:00pm Dinner

7:00pm Panel Discussion

ASHRAE Member/Guest \$50.00

Student Non-Member \$10.00

ADVANCED PAYMENT BEFORE MEETING

by using PAYPAL

use the chapter web site to register and pay

<http://LondonCanada.AshraeChapters.org>

Presidents Message

Our ASHRAE London Chapter is excited to host an interesting and exciting ASHRAE's **Open Panel Discussion on Bidding Processes**. Join us on Student Night for an educational open panel discussion on the different forms of bidding processes in the HVAC industry. Be informed by leading industry experts as they share their experiences in the Bid Spec, Design Build, PPP and Construction Management projects.

The theme for this chapter meeting will be Student's Night. I would like to welcome our Students and our ASHRAE Student Chapter at Western University. Ben Oliver, our Student Activity Chair, visited Western University and met with our Student Chapter Advisor, Professor Walid Altahan. Ben also talked to the students about ASHRAE and the benefits of becoming ASHRAE Student Members. Our Student Chapter held its first meeting and elected both the president and vice-president. Moreover, our Student Chapter will be organizing many activities in conjunction with our London Chapter. This will be accomplished with direct support and mentorship from our Student Activity Chair and Student Chapter Advisor. Ben will be contacting our chapter members and local companies looking for student sponsors. This will ensure regular student attendance to our chapter meetings and increased ASHRAE Student Memberships.

ASHRAE is excited to return to Chicago for the **2015 Winter Conference**, its historically best-attended event. Attendees can discuss the latest topics in the building industry; participate in technical tours; attend ASHRAE Learning Institute courses; earn professional credits; and obtain ASHRAE certifications. **Chicago** also serves as the site of the **AHR Expo**, co-sponsored by ASHRAE and held in conjunction with the Winter Conference. The two events combine to create the ideal atmosphere for those interested in advancing the building industry to network, inspect the latest technology and learn about the newest practices for the built environment. Don't miss the chance to participate!

I look forward to seeing you all at our upcoming chapter meetings.

Thank you.

Ibrahim M. Semhat
 Chapter President 2014/2015
 ASHRAE London Canada Chapter

Upcoming Chapter Meetings

Nov 24/2014 - Air to Air Energy Recovery

Jan 19/2015 - Problem solving, leading and thinking like an engineer

Feb 23/2015 - Career opportunities for students in ASHRAE

Mar 23/2015 - CO2 refrigeration

April 23/2015 - ASHRAE WEBCAST, Retro-commissioning and the Life Cycle Cost Analysis

Apr 27/2015 - technical Tour

June 1/2015 - Golf Tournament

Other Meetings

Jan 24 to 28, 2015 - ASHRAE Winter Conference - Chicago, IL

June 27 to July 1, 2015 = ASHRAE Annual Conference - Atlanta, GA

Jan 23 to 27, 2016 = ASHRAE Winter Conference - Orlando, FL

Jun 25 to 29, 2016 = ASHRAE Annual Conference - St. Louis, MO

Jan 28 to Feb 1, 2017 = ASHRAE Winter Conference - Las Vegas, NV

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STUDENT ACTIVITIES & YEA

London vs. Hamilton Ultimate Frisbee Match

Thank you to everyone who came out for the Ultimate Frisbee showdown between the ASHRAE London and Hamilton chapters! It was a great event, and even though it was a bit chilly, we all had an awesome time! Make sure you stay tuned and keep an eye on your e-mail for our upcoming YEA and Student Activities events!

Thanks,
 Ben Oliver
 Student Activities Chair 2014/2015
 ASHRAE London Canada Chapter



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ASHRAE Selected as 2014 Best of Building Award Recipient by USGBC Members

ATLANTA – ASHRAE is pleased to announce today that it received the U.S. Green Building Council's (USGBC) Best of Building award for Best Professional Association.

"ASHRAE is proud to be recognized as the Best Professional Association in the Best of Building Awards," Tom Phoenix, ASHRAE president, said. "ASHRAE strives to set an example for the industry in sustainability through efforts such as increasing the stringency of its standards, developing guidance that will lead to high performing buildings and offering resources to professionals in the building industry to keep them up to speed with the latest sustainable technology. We look forward to building on our foundation as future industry issues come to the forefront."

The Best of Building Awards celebrates the year's best products, projects, organizations and individuals making an impact in green building. Nominees and winners were selected exclusively by the members of USGBC, a vibrant and diverse community of nearly 13,000 of the world's leading organizations invested in sustainability.

"USGBC's membership represents a diverse community of leaders that have made significant contributions to the advancement of green building," said Mahesh Ramanujam, chief operating officer, USGBC. "We congratulate ASHRAE as these peer-chosen awards reflect new and innovative achievements that are to be commended."

There are 30, peer-selected awardees selected for 48 individual categories in the competition. Awardees were selected based on their region, size and area of specialization and are designed to showcase the most progressive, innovative organizations in the fields of green architecture, landscape, engineering, interior design and manufacturing. A full list of winners can be viewed at usgbc.org.

ASHRAE Returns to Chicago!

Winter Conference
January 24–28

AHR Expo
January 26–28



2015 Winter Conference

Jan. 24-28/2015

Palmer House Hilton, Chicago, IL

AHR Expo

Jan. 26-28/2015

McCormick Place, Chicago, IL

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ASHRAE in the House: Society Explores Path toward Involvement in Residential

ATLANTA – When it comes to energy, the residential sector consumes a fifth of all the primary energy used by the United States (21 percent) and more than half (54 percent) of all energy used by buildings. Similar trends are also observed in other parts of the world. For example, in Europe, residential buildings account for 75 percent of the total building stock and are responsible for 26.2 percent of the total European Union final energy consumption in 2012. Those figures reflect big energy use. They also present big opportunities for sustainability. From economic, environmental and energy security perspectives, a sector responsible for this much energy consumption requires significant attention, notes Tom Phoenix, ASHRAE president.

Just as importantly, because we typically spend nearly 90 percent of our time indoors and most of that time is in the home, the indoor environments of residential buildings have a very significant impact on health, productivity and comfort. Household air pollution from indoor combustion for cooking and heating is estimated by the World Health Organization to result in over 4 million deaths annually worldwide – nearly 8 percent of the total, predominantly in developing economies.

As such, ASHRAE is exploring its role in residential, looking at how it can contribute most effectively to the improvement of the performance of residential buildings. The Society recently released a report, “ASHRAE and the Residential Construction Market,” which contains a series of recommendations to the Board of Directors.

“Our members do work on buildings all day and then go home, failing to effectively bring the best of ASHRAE home with us to improve energy efficiency and indoor air quality,” Phoenix said.

Max Sherman, who chairs the Presidential Ad Hoc Committee on the Residential Construction Market that developed the report, noted that one of the first questions the group explored was “what is residential.”

He notes that in the United States, residential is often associated with low-rise, single-family houses. This association is evident in the division in scopes between the International Residential Code and the International Building Code and between the scopes of ASHRAE standards related to indoor air quality and energy. Additionally, mid-rise multifamily construction often seems to fall through the cracks and is not adequately addressed in either current residential or nonresidential standards, he said.

Sherman said the exploration into residential began under the guidance of 2013-14 ASHRAE President Bill Bahnfleth. The committee looked at the importance of the residential sector, what ASHRAE is already doing in the residential sector and how ASHRAE’s role is viewed in the residential market. As part of that, a workshop for key stakeholders was held earlier in the year. Sherman said that their research showed the residential sector is of growing importance.

Studies show there were over 115 million dwellings in the United States (217 million in the European Union) in 2010. The projection is that by 2030 this number will grow to about 141 million in the United States (241 million in the European Union). Given that number is increasing, efficiency needs to increase as well. ASHRAE can play a significant role in the efforts to reduce energy consumption and environmental impact of the global building stock.

“Over 74 percent of all existing homes in the United States were constructed before 1989—before widespread adoption of model energy codes governing their construction,” Sherman said. “More than 40 percent of the European residential buildings have been constructed before the 1960s when energy building regulations were very limited. By almost any measure, most of these homes are likely under-insulated, have poorly performing fenestration, have significant envelope air leakage, need upgrades to all HVAC&R components and delivery systems, and contain outdated and inefficient lighting systems when compared to today’s basic energy code minimums. In addition, we need to treat these homes as systems that provide good indoor environmental quality for people. These needs define significant opportunity for energy, carbon, peak power and water savings within the residential sector.”

Sherman said the group found that while ASHRAE has extensive and perhaps unmatched technical abilities in the residential area, it is far from the dominant player. He notes the Society’s involvement requires not only focusing the efforts of its own volunteers but collaborating with existing stakeholders.

The report contains several recommendations to the ASHRAE Board of Directors. Several recommendations have already been acted upon and the rest have been referred to appropriate bodies in the Society. The report and additional information can be found at www.ashrae.org/residential.

The recommendations are designed to raise the priority of residential activity within the Society by increasing visibility of existing work in that area and by providing additional Society resources for future work. ASHRAE will support residential through actions in the report, including the likely formation of a new standing committee. It also plans to involve more residential stakeholders and include more residential content in its research, programs, standards and publications.

Phoenix said that the move into residential also is part of the Society’s newly adopted Strategic Plan under an initiative that addresses ASHRAE’s role in the residential sector. The plan notes that ASHRAE will create partnerships and collaboration with key organizations in the residential sector.

“Together we look forward to working with new partners to develop technology, perform research and educate owners, builders and designers to improve the residential built environment,” he said.