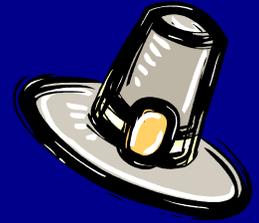


ASHRAE Rochester



INSIDE THIS ISSUE:

Officer / Committee List	2
Events Calendar	3
President Msg	4
Meyer Biography	5
Winter Conference AHR Expo	6
Region 1 Contacts	7
Governmental Affairs	8- 10
Jokes & Laughs	10
Job Postings	11
PAOE Summary	11
Society News	12

VOLUME 4, ISSUE 3

NOVEMBER 1, 2009

Rochester ASHRAE Chapter November Lunch Meeting **Please RSVP by Thursday November 5th 12:00 PM if you plan on attending.**

Monday, November 9, 2009

Time: 12:00 Noon – 2:00 PM

Cost: \$25.00

Location: Mario's Italian Steakhouse, 2740 Monroe Ave., Rochester 14618

Presenter: David Meyer – Pathfinder Engineers LLP

Topic: “High performance on a Budget / Pathfinder’s new headquarters : A virtual presentation of Pathfinder’s new headquarters and a discussion of the application of integrative design to achieve high energy performance without extraordinary capital expense.”

Pathfinder’s building has been awarded NYSERDA’s high performance building recognition and is on track for LEED Gold certification.

David J. Meyer, PE, LEED® AP, is a founding partner of Pathfinder Engineers LLP. He has over 30 years of experience and presently leads Pathfinder’s mechanical engineering group and the firm’s special environments design projects.

**Please RSVP by November
5th 12:00 pm to**

**ejb@mechtechvac.com or Mech
Tech HVAC, Inc. at (585)872-
6681**

See page 5 for Dave Meyer’s biography.



Chapter Officers

President

Jeffrey Davis, PE
585-381-3360/381-3368(fax)
jdavis@turnerengineeringpc.com

President Elect

Jim Browe
585-697-0836/697-0839
jbrowe@rfpeck.com

Vice President/Tech

Jeffrey Ellis
585-334-7710/334-7738(fax)
ellis@airsystemsbalancing.com

Secretary

Michelle Sommerman
585-232-5135/232-4652(fax)
msommerman@bergmannpc.com

Treasurer

Robert Wind
585-341-3172
rwind@ibceng.com

Board of Governors

Edward J. Burns
585-739-7548/872-9172(fax)
ejb@mechtechhvac.com

Trisha Jackson
585-272-4650/272-4676(fax)
tjackson@nrg-concepts.com

Jeff Close
585-289-6816/218-0737(fax)
Jeff.close@pres-services.com

Phil Masters
585-288-1600/288-2481(fax)
philm@rpfedder.com

William Murray
585-272-4650/272-4676 (fax)
bmurray@nrg-concepts.c0m

Tim Duprey
585-402-5285/315-423-5408 (fax)
DupreyT@ifsinc.net



Committee Chairs

CTTC/Programs

Jim Browe
585-697-0836/697-0839
jbrowe@rfpeck.com

CTTC/TEGA

Carlos Dachary 585-671-8110
cdachary@spc-ny.com

CTTC/ Refrigeration

Michael Nohle 585-216-9016
mikenohle@aol.com

Historian

Lee Loomis 585-262-2870/262-4156(fax)
leeloom@aol.com

Membership

Phil Masters 585-288-1600/288-2481(fax)
philm@rpfedder.com

Research Promotion

Jeff Close 585-289-6816/218-0737(fax)
Jeff.close@pres-services.com

Student Activities

Al Rodgers 585-218-0730/218-0737(fax)
arodgers@pathfinderengineers.com

Newsletter Editor

Christina Walter 585-486-2148/256-0067(fax)
cmwalter@trane.com

Attendance & Reception

Edward J. Burns
585-739-7548/872-9172(fax)
ejb@mechtechhvac.com

Webmaster

Kevin Wind 585-263-1280
kwind@rochester.rr.com



ASHRAE 2009/2010 MEETING SCHEDULE

DATE	EVENT	LOCATION	SCHEDULE
11/9/2009	David Meyer—Pathfinder Engineers High Performance on a Budget: A virtual presentation of Pathfinder's New Headquarters	*Mario's	*12:00—2:00 PM Lunch
12/14/2009 Research Promotion	Lynn Bellenger—ASHRAE Standard 189	Mario's	12:00-2:00 PM Lunch
1/11/2010 Student Night	Steve Beck—Envelope Commissioning Joint Meeting with USGBC	Mario's	12:00-2:00 PM Lunch
2/8/2010 Student Night	RIT CIMS Building—Thermal Fluids Lab Al Rodgers & Carl Lundgren	RIT - Dinner through RIT Food Service	5:30 PM
* 2/5/2010	Valentine's Dinner Dance	* Inn on Broadway	7:00 PM
3/8/2010 Membership Night	Possible Distinguished Lecturer	Mario's	12:00-2:00 PM Lunch
4/12/2010	Refrigeration Night—Tour of Perry's Ice Cream Possible Joint Meeting with Niagara Chapter	Perry's Ice Cream—Akron Dinner	TBD
5/18/2010	Annual ASHRAE Golf Outing and Picnic	Ravenwood Golf Club	8:00 AM Golf 2:00 PM Picnic 6:45 PM Dinner

* Please note time and location was changed from previous calendar



Mission Statement

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.

“Advancing HVAC&R to serve humanity and promote a sustainable world”



Vision Statement

- will be the global leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration.

- will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.

- will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

President's Message by: Jeff Davis



In previous articles, I have mentioned that energy efficiency and sustainability are the hot topics for design professionals currently. That is indeed the case, however another newsworthy item over the past year or so has been the spread of infectious diseases such as H1N1, bird flu, and SARS. In June of this year ASHRAE published a Position Document on Airborne Infectious Diseases, recognizing the prominent role that engineers will play in this prevention. In the Document, the three methods of transmission are detailed including direct contact, large droplets transmitted through, for instance sneezing or coughing, and transmission through airborne routes. It is this third method that is of importance to HVAC designers and engineers. A statement from the Documents reads *"The following technical solutions are of interest: dilution ventilation, source capture ventilation, filtration (central or unitary), and ultraviolet germicidal irradiation (upper room, in-room and in the air stream)."* In fact, ASHRAE Research funds in excess of \$300,000 have been committed to filtration and UVGI related projects.

The Rochester Chapter was fortunate to host Danja McMillan for a discussion about air filters and the evolution of ASHRAE Standard 52.2, Method of Testing General Filtration Air Cleaning Devices for Removal Efficiency by Particle Size. Danja is the Northeast Region Sales Manager for Camfil Farr. Until I met Danja, I would not have believed that someone could get that fired up about filters, but she definitely was. Thank you Danja for the outstanding presentation and for making a seemingly mundane subject engaging! Some popular myths were de-

bunked including one that I am guilty of propagating. Filters do not, after all become more efficient as they get loaded up. For those designers and engineers familiar with selecting or specifying filters on the basis of a numerical percentage (remember specifying 30% pre-filters, or 90% final filters?), there is a new rating system called MERV, or the Minimum Efficiency Reporting Value. The implication is that a filter is now rated for its efficiency in three different particle size ranges. For example a MERV 8 filter is greater than or equal to 70% efficient for particles 3.0-10.0 microns in diameter, but has no required reporting value for 0.3-1.0, or 1.0-3.0 microns. This is an important point because as Danja noted, 99% of particles in our buildings and HVAC airstreams are below 1.0 micron in diameter! This includes most viruses, all bacteria, environmental tobacco smoke, and radon progeny. Engineers and designers were cautioned to select filters with care since not all filters are created equal. There are coarse fiber and fine fiber filters that, for now perform very differently. I say "for now" since development is apparently underway to introduce nanotechnology to the manufacture of filters in an effort to increase efficiency and filter life.

For many applications, the filter in the air handler suffers from the out-of-sight, out-of-mind syndrome. The time has irreversibly come when, as a matter of life safety engineers and designers are forced to take more care in the understanding of and specification of filtration systems.

Jeff Davis, PE, 2009-2010 President



Biography for November ASHRAE meeting speaker

David J. Meyer, PE, LEED® AP

David J. Meyer, PE, LEED® AP, is a founding partner of Pathfinder Engineers LLP, based in Rochester, NY. The firm offers sustainable design services in mechanical engineering, electrical engineering, energy services, commissioning and facilities architecture to industrial, commercial and institutional clients. These projects included university dormitories, high technology cleanrooms and manufacturing facilities, and were highly successful in terms of quality, cost and schedule – all essential elements to a successful project.

Mr. Meyer, who has 30 years of experience, leads Pathfinder's mechanical engineering group and the firm's special environments design projects. He served as project manager for award-winning design of special environments at the Infotonics Technology Center in Canandaigua, NY, Eastman Kodak Company, and Corning Incorporated. Project awards have been presented by ASHRAE Region 1, American Council of Engineering Companies – New York, and the national organization of the American Council of Engineering Companies.

Mr. Meyer has led the mechanical design of the new, four-building Binghamton University Mountain View Residential Community. Two of the buildings are the first buildings constructed by the Dormitory Authority – State of New York to be LEED® Certified. He is currently overseeing the following LEED® Registered projects: Oswego Townhouse Complex; Summit Federal Credit Union - Brighton Branch; and Binghamton East Campus Housing.

He is a licensed Professional Engineer in New York, Massachusetts and Utah, and a LEED® Accredited Professional. Mr. Meyer has a Bachelor of Science Degree in Mechanical Engineering from Pennsylvania State University.

He is a member of the American Society Mechanical Engineers, American Council of Engineering Companies, American Society of Refrigeration and Air Conditioning Engineers, New York State Society of Professional Engineers; and National Fire Protection Association.

Mr. Meyer is President of the Rochester Chapter of the American Council of Engineering Companies and Chair of the Energy Committee for the American Council of Engineering Companies – New York. He is a board member of the Center for Environmental Information. He served as chairperson of a 2007 three-track event sponsored by CEI that included a day-long LEED® EB course, a half-day seminar about green building for members of the contractor community, and an exposition featuring vendors committed to sustainable buildings.

In the past year, Mr. Meyer has presented seminars and been a guest speaker on sustainable design for the [SUNY College of Environmental Science and Forestry](#), RGBN Triple the Bottom Line Conference, among others.





ASHRAE Inside

Building Sustainability from the Inside Out

Register
and save
before Oct. 31

Orlando, FL

2010 Winter Conference

January 23 - 27

ASHRAE's 2010 Winter Conference
January 23-27, 2010
Rosen Shingle Creek
Orlando, Florida

"It's not the heat, it's the humidity," is often used to explain the less-than-comfortable temperatures in tropical Florida. While the water-saturated air is perfect for hibiscus and alligators, humans have had to find their own ways to deal with the Sunshine State's humid conditions. What better place to discuss this year's conference theme: Building Sustainability from the Inside Out. Whenever the temperatures outside are too hot or humid to handle, ASHRAE ensures that indoor environments are comfortable and, most important, sustainable.

January 25-27, 2010 • Orange County Convention Center • Orlando, Florida

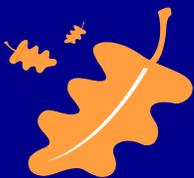
About the Expo

The AHR Expo attracts tens of thousands of attendees from all facets of the industry, including contractors, engineers, dealers, distributors wholesalers, OEMs, architects and builders, industrial plant operators, facility owners and managers, agents and reps. Since 1930, the AHR Expo has been the HVAC&R professional's best resource for new products, new ideas and new services. It's a hands-on, interactive event that showcases a wide spectrum of equipment, systems, and components. This unique industry forum creates a dynamic marketing environment unequaled in size and scope by any other industry event. The event is co-sponsored by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), and the Air-Conditioning, Heating and Refrigeration Institute (AHRI). It is held every year in conjunction with the ASHRAE Winter Conference. [Visit the AHR Expo Web site.](#)

ASHRAE Region I Executive Committee 2009-2010



DRC—Director & Regional Chair:	Spencer Morasch, Jersey Central Power Light Ph: 732-212-4133 smorasch@firstenergycorp.com
ARC—Assistant & Regional Chair & Treasurer:	Garry Myers, Flack & Kurtz Inc. Ph: 212-951-2815 Garry.Myers@wspfk.com
Nominating Committee Member:	Emery Otruba, PE Ph: 518-686-4436 eotruba@verizon.net
Nominating Committee Alternate:	Cliff Konitz Ph: 845-297-5864 c.konitz@verizon.net
RVC Membership Promotion:	Joseph Furman, Belimo Americas Ph: 203-749-3163 joe.furman@us.belimo.com
RVC Research Promotion:	Darcy Carbone, Stebbins-Duffy, Inc Ph: 781-246-0840 dcarbonate@stebbinsduffy.com
RVC Chapter Technology Transfer:	Steve Rosen, Einhorn, Yaffee & Prescott Ph: 508-269-8952 srosen@eypae.com
RVC Student Activities:	Richard Vehlow, NYS Office General Svcs Ph: 518-486-1510 Rev1969@gmail.com
Regional Chapter Programs:	Peter Oppelt, R. F. Peck Ph: 585-697-0836 x103 poppelt@rfpeck.com
Regional Refrigeration Chair:	Steven Friedman, Lilker Associates Ph: 212-695-1000 x261 sfriedman@lilker.com
Regional Historian:	Phil Knowlton, Knowlton Associates Ph: 860-642-3970 pbknowlton@comcast.net
Regional Electronics Communication Chair & Newsletter Judge:	Heather Nowakowski, Roswell Park Cancer Inst Ph: 716-845-3521 Heather.nowakowskie@roswellpark.org
Director of Member Services:	Carolyn Kettering Ph: 404-636-8400 ckettering@ashrae.org
Director of Communications and Publications:	Jodi Dunlop Ph: 404-636-8400 jdunlop@ashrae.org



Governmental Affairs Update

Welcome to ASHRAE's Government Affairs Update. Along with the redeveloped Government Affairs webpage, these periodic e-mail updates feature information on government affairs related activities of interest to ASHRAE members and others interested in the built environment. Archives of previous updates are available from the government affairs webpage (<http://www.ashrae.org/advocacy>).

You are encouraged to pass this information on to interested colleagues who also may subscribe from the ASHRAE Government Affairs webpage. Should you wish to unsubscribe, information appears at the end of this e-mail.

If you have any recommendations regarding content, or have questions about or would like to participate in Washington Office activities, please contact ASHRAE Government Affairs staff at (202) 833-1830 or washdc@ashrae.org.

ASHRAE Government Affairs Update, 10/23/09

- [DOE to Strengthen Enforcement of Product Energy Efficiency Standards](#)
- [DOE Resource to Help Local Governments Expand Solar Energy](#)
- [Vice President Biden Unveils Home Retrofit Plan for Energy Efficiency](#)
- [Team Germany Wins the 2009 Solar Decathlon](#)
- [California Expands Rules for Feed-In Tariffs and Net Metering](#)
- [Report Examines Hidden Health and Environmental Costs of Energy Use](#)



[DOE to Strengthen Enforcement of Product Energy Efficiency Standards](#)

DOE announced three new steps to strengthen its ability to enforce energy efficiency standards. DOE has formed a new enforcement team within the Office of the General Counsel; established a program to randomly review manufacturers' compliance with DOE certification requirements; and is publishing guidance that provides further details about DOE's energy efficiency enforcement regulations.

In its new guidance, DOE confirms that under existing regulations, it can take enforcement action and assess civil penalties if a manufacturer fails to properly certify a covered product and retain records. Specifically, the agency clarifies that any failure to certify covered products according to DOE's rules violates the Energy Policy Conservation Act of 1975 and DOE regulations. DOE will randomly select previously filed certification reports for review, request certification records as needed, and hold manufacturers accountable for failing to certify covered products according to DOE rules.

These new steps are part of the DOE's ongoing effort to save energy for U.S. residents and businesses by clearing the backlog of energy efficiency standards for appliances and aggressively enforcing energy efficiency standards. This summer, DOE initiated investigations of alleged violations against both an air conditioner manufacturer and a freezer manufacturer. Both investigations are expected to be concluded shortly. See the DOE press release (<http://www.energy.gov/news2009/8129.htm>).

[DOE Resource to Help Local Governments Expand Solar Energy](#)

The U.S. Department of Energy announced the availability of a new online resource for local governments that assists community leaders and local stakeholders in building sustainable local solar markets. The online publication, *Solar Powering Your Community: A Guide for Local Governments*, provides local governments with proven best practices enabling them to drive economic development, support clean energy jobs, and reduce carbon emissions by building a robust local solar market.

The publication outlines best practices and lessons learned from 25 Solar America Cities and other local governments across the nation that have successfully increased solar energy use in their communities. It also describes the country's most innovative solar programs and policies, explains the benefits, provides implementation tips, and includes brief case studies.

The best practices outlined in the Guide have been designed to meet the needs of local governments from small municipalities to large counties and metropolitan centers in diverse geographic areas. Topics included in the Guide include: strategies for solar initiatives, incentives, updating and enforcing local rules and regulations, engaging utilities, creative solar jobs and supporting economic development, outreach and education, and leading by example by installing solar on government buildings.

Solar Powering Your Community: A Guide for Local Governments is available on the Solar America Cities Web site (<http://www.solaramericacities.energy.gov/GuideForLocalGovernments>).

Governmental Affairs Update (continued)

[Vice President Biden Unveils Home Retrofit Plan for Energy Efficiency](#)

Vice President Biden released on October 19 the "Recovery Through Retrofit" report, which lays out a plan to help U.S. residents upgrade the energy efficiencies of their homes. The scheme aims to increase green jobs and save energy through residential retrofits. At the same time, DOE issued a solicitation that offers \$454 million in American Recovery and Reinvestment Act funds—including \$390 million for a "Retrofit Ramp-Up" program—to support energy efficiency efforts throughout the country.

At a Middle Class Task Force meeting earlier this year, the vice president asked the White House Council on Environmental Quality (CEQ) to develop a proposal for federal action to lay the groundwork for a self-sustaining industry for home energy efficiency retrofits. Their response comes in the October 19 report and includes these federal recommendations: provide U.S. homeowners with home energy retrofit information, including an energy performance label for existing homes; get past cost barriers by making financing more accessible, including long-term municipal loans repaid through the owners' property tax bills, a concept known as Property Assessed Clean Energy (PACE); and establish national workforce certifications and training standards, creating a uniform set of national standards to qualify workers for energy efficiency retrofits. See the Recovery Through Retrofit report (http://www.whitehouse.gov/assets/documents/Recovery_Through_Retrofit_Final_Report.pdf).

DOE's new solicitation will support the retrofit objectives with a series of "Retrofit Ramp-up" awards, ranging from \$5 to \$75 million, for states, local governments, and Indian tribes. DOE seeks innovative programs that are highly leveraged, are broadly replicable and scalable, can achieve cost savings when scaled up, and are likely to be self-sustaining beyond the funding period. The programs should achieve high-quality retrofits for a large fraction of the buildings within entire neighborhoods and communities, and they can include PACE programs and programs that employ Home Performance with Energy Star, a national program from DOE and the U.S. Environmental Protection Agency. DOE also offered \$64 million in energy efficiency grants for local governments and state-recognized Indian tribes that are not eligible for direct funding under DOE's Energy Efficiency and Conservation Block Grant Program. Applications are due on December 14. See the DOE press release (<http://www.energy.gov/news2009/8148.htm>) and download the full solicitation (<http://www.eecbg.energy.gov/Downloads/EECBGCompetitiveFOA148MON.pdf>).

[Team Germany Wins the 2009 Solar Decathlon](#)

Team Germany took top honors in the 2009 Solar Decathlon, followed by the University of Illinois at Champaign-Urbana in second place, and Team California in third. The winners were announced on October 16 by DOE Deputy Secretary Daniel Poneman at the competition site on the National Mall in Washington, D.C. Team Germany—students from Darmstadt, Germany, whose team had won the previous Solar Decathlon in 2007—again triumphed by designing, building, and operating the most efficient solar-powered home among 20 university-led entries. Team Germany's winning "Cube House" produced a surplus of power despite three days of rain during the two-week contest. The 2009 Solar Decathlon challenged 20 teams from across the United States, as well as from Germany, Spain, and Canada, to compete in 10 contests, most of which related to the design and energy performance of the teams' solar homes.

Of those ten contests, Team Germany's surplus power production earned the Net Metering award, which carried the greatest weight at 150 points. Team Germany also won the Comfort Zone contest for 100 points by best maintaining a comfortable temperature and humidity in their home. Coming in second place overall, the University of Illinois took top honors in the Appliances contest, which involved running a refrigerator and freezer, dishwasher, washer, and dryer; the Hot Water contest, which required producing enough hot water for regular showers; and the Home Entertainment contest, which involved not only running a television, computer, lights, and a cooking appliance, but also hosting two dinner parties and a movie night, which were rated by their fellow contestants. And although the team didn't place in the top three, the University of Minnesota claimed the top spot in two juried design contests: Lighting Design and Engineering. The Engineering award honors the solar home that best exemplified excellence in energy systems design, savings, innovations, and reliability.

The Solar Decathlon concluded on Sunday, October 18, after which the teams started partially disassembling the homes and shipping them back to their places of origin. And although the 2009 Solar Decathlon has just ended, the application process for the next Solar Decathlon, to be held in fall 2011, has already begun. The Request for Proposals (RFP) for the 2011 Solar Decathlon is available on the Solar Decathlon Web site, and technical questions on the RFP will be accepted until October 22. Applications are due by November 17, and the selected teams will be notified by December 18. See the DOE press release (<http://www.energy.gov/news2009/8143.htm>), the Solar Decathlon Web site (<http://www.solardecathlon.org/>), and the RFP (http://www.solardecathlon.org/pdfs/2011_rfp.pdf).

Governmental Affairs Update (continued)

California Expands Rules for Feed-In Tariffs and Net Metering

California is seeking to encourage utility customers to feed power into the grid from their renewable energy systems with two legislative bills signed by Governor Arnold Schwarzenegger. The first bill expands California's "feed-in tariff," under which large utilities have to pay their customers for the power they produce and "feed in" to the grid, at standard rates or "tariffs" that are adjusted to account for the time when the power is produced. Power produced during times of peak demand earns the highest rate. The new law doubles the maximum system size from the current 1.5 megawatts to 3 megawatts and requires long-term agreements that will be in effect for 10 to 20 years. It also increases the statewide cap for such feed-in tariff agreements to 750 megawatts, up from 500 megawatts. Utilities buying power under the feed-in tariff will be able to take credit for the renewable energy under the state's Renewable Portfolio Standard (RPS), which requires utilities to draw on renewable energy for one third of their power needs by 2020. See the feed-in tariff bill (http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0001-0050/sb_32_bill_20091011_chaptered.html) and the summary from DSIRE, the Database of State Incentives for Renewables & Efficiency (http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=CA167F&re=1&ee=1).

Utility customers that are not interested in such long-term agreements, or who want to take advantage of incentives that are prohibited under the feed-in tariff, are more likely to opt for "net metering," which allows customers to carry forward a credit on any month when they generate more power than they use. Currently, any credit for net power generation is lost at the end of the year, but the state's new net metering law will give customers the option of either rolling over credits from year to year or selling the excess power to their utility at a predetermined rate. In turn, the utility can take credit for that power under the state's RPS. The new law goes into effect on January 2011, after the California Public Utilities Commission sets the compensation rates. Both laws are aimed at helping utilities meet the RPS while encouraging utility customers to install renewable energy systems. See the net metering bill (http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_0901-0950/ab_920_bill_20091011_chaptered.html) and the summary from DSIRE (http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=CA02R&re=1&ee=1).

Report Examines Hidden Health and Environmental Costs of Energy Use

The energy you use to heat and cool your home, power your electric devices and appliances, and fuel your car may seem expensive enough already, but according to a new report from the National Research Council (NRC), there are plenty of health and environmental costs that aren't reflected in your energy bills. Quantifying mainly the health effects from the major air pollutants—sulfur dioxide, nitrogen oxides, ozone, and particulates—the NRC report estimated such "external" costs at \$120 billion for the United States in 2005. More than half of that cost is attributed to the nation's 406 coal-fired power plants, with only 10% of those plants accounting for 43% of those damages. The other big offender is motor vehicles, which caused an estimated \$56 billion in damages in 2005.

The NRC committee declined to tackle some of the more nebulous costs of energy production and use, including harm to ecosystems; risks to national security; effects of other pollutants, such as mercury; and climate change. The report does note that coal-fired power plants are the single largest source of greenhouse gases in the United States. And while the committee didn't place a precise cost on climate change, it noted that climate-related damages caused by each ton of carbon dioxide will be far greater in 2030 than they are now. The committee estimated that if the total amount of greenhouse gas emissions remains steady, the damages caused by each ton of carbon dioxide will increase 50%-80% by 2030. See the National Academies press release (<http://www8.nationalacademies.org/onpinews/newsitem.aspx?RecordID=12794>) and the full report (http://www.nap.edu/catalog.php?record_id=12794), which can be read online for free.

A little humor to help break up the day...

There was an engineer who had an exceptional gift for fixing all things mechanical. After serving his company loyally for over 30 years, he happily retired. Several years later the company contacted him regarding a seemingly impossible problem they were having with one of their multimillion dollar machines. They had tried everything and everyone else to get the machine to work but to no avail. In desperation, they called on the retired engineer who had solved so many of their problems in the past. The engineer reluctantly took the challenge. He spent a day studying the huge machine. At the end of the day, he marked a small "x" in chalk on a particular component of the machine and stated, "This is where your problem is".



The part was replaced and the machine worked perfectly again. The company received a bill for \$50,000 from the engineer for his service. They demanded an itemized accounting of his charges. The engineer responded briefly: One chalk mark \$1 Knowing where to put it \$49,999 It was paid in full and the engineer retired again in peace.

Job Postings & Help Wanted



This section of the newsletter is reserved for those firms wishing to advertise their desires to hire from the Chapters Membership.

If you are interested in utilizing this FREE service provided by the Rochester Chapter, please contact our Newsletter Editor, Christina Walter (585.486.2148) or by email cmwalter@trane.com

This service is available to any firm in our industry looking for knowledgeable persons in the HVAC&R industry.



Corporate Office:
2430 North Forest Road, Suite 106
Getzville, New York 14068

Energy Engineer

Company Description

PRES Services is a national provider of energy solutions to reduce the operational cost bottom line for customers coast to coast. PRES makes buildings comfortable, safe, productive, more efficient and less costly to operate with a full range of services and solutions. At PRES, you're skills will be challenged and encouraged to grow with the advancement of technologies.

Job Description

Applicants should possess the following skills, attributes and experience:

- Capability and leadership skills to work independently out of a home office.
- Building auditing and analysis of existing building systems performance.
- Ability to apply building energy simulation programs, other energy calculation software, and preparation of detailed spreadsheet calculations as it relates to building systems.
- Develop design or retrofit concepts, write accurate scope of work descriptions, calculate savings potential, and estimate budget implementation cost.
- Prepare detailed facility audit reports and other related technical writing documents.
- Participate in the identification and qualification of potential client project opportunities.
- Coordinate the procurement of equipment and project implementation.
- Assist in commissioning activities for retrofit solutions to ensure the design meets performance requirements and the customer's expectations.

Qualifications

Degree in Engineering or other related field. This role requires applicable experience in engineering, construction, or facility operations with direct involvement in energy systems and/or energy reduction initiatives. Strong written and verbal communication skills and is comfortable working in customer-facing situations. Annual average travel is estimated at 30%.

Please forward resumes to Jeff Close at jeff.close@pres-services.com

2009-2010 Presidential Award of Excellence Summary

Chapter #	Chapter Name	Chapter Members	Member Promotion	Student Activities	Research Promotion	Chapter Technology Transfer	History	Chapter Operations	Chapter PAOE Totals
11	Rochester	241	0	0	0	100	0	0	100



ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
Chapter 11 - Rochester, New York

Society News:

Sessions to Boost Efficiency, Sustainability of Contractor Projects Featured at AHR Expo

ATLANTA – Two sessions to assist contractors in construction management and high-performance building are being offered by ASHRAE at the AHR Expo.

"The bottom line is that we're all striving to deliver excellent service for our clients and to do that more effectively," Billy Austin, chair of ASHRAE's task group on contractors and design build firms that is sponsoring the sessions, said. "These ASHRAE sessions will bring together all members of the building team to learn new skills and to explore ways to work more closely together. With contractors representing 25 percent of Expo attendees, ASHRAE seeks to bring their knowledge and expertise into these sessions as well as to help shape the Society's future activities in contracting and design/build."

The sessions, which require no conference badge or fee for AHR Expo attendees, are *Construction Management*, 2-3 p.m., Monday, Jan. 25, and *Cost/Benefit Analysis Methodology and Tools Needed by Owners*, 2-3 p.m., Tuesday, Jan. 26.

Both take place at the Orange County Convention Center, site of the 2010 AHR Expo, Jan. 25-27, Orlando. The ASHRAE 2010 Winter Conference takes place Jan. 23-27, Rosen Shingle Creek hotel, Orlando. For more information, visit www.ashrae.org/orlando.

Construction Management addresses two key contractor-related topics to help improve the quality of their work: whether systems commissioning will improve the contractors' ability to perform well and preconstruction management basics for

mechanical engineers and contractors on design-build/design-assist projects.

Cost/Benefit Analysis Methodology and Tools Needed by Owners provides an understanding of high-performance building cost-benefit analysis with a focus on the LEED rating system. Several topics are addressed, including cost/benefit project setup, fiscal metrics, constraints and length of analysis.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

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From the Editor's Desk

The ASHRAE Chapter Bulletin should reflect the opinions, activities and needs of its members. We represent an active membership and the Bulletin can provide a valuable and enjoyable forum for news of our individual members.

Any announcements of interest, as well as letters, opinions, questions or comments, should be addressed to Christina Walter, Trane, 75 Town Centre Drive, Rochester, NY 14623 or email to cmwalter@trane.com

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Go to www.ashrae.org to update your personal information. Keeping your information current helps us to find you. Please add email, phone number, fax number, address correction, etc.

