

# The Central New Yorker

## ASHRAE Newsletter

The CNY Chapter of the American Society of  
Heating, Refrigerating and Air Conditioning Engineers

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## THE PRESIDENT'S Message

I want to thank our Distinguished Lecturer Ed Franapfel for his presentation on the Snow Load Failures from the 2003 Colorado Blizzard. One of the points discussed was it's not the depth of the snow sitting on the roof that is of concern so much as it's what is the weight of that snow on the roof. Your building could have four feet of light snow from one storm that may not weigh as much as one foot of heavy snow. The photo's of all the structural failures clearly revealed how the snow load causes the walls to bow out and away from the roof. It was interesting to note that 100 year old structures tended to hold up better than newly designed buildings due to the fact the lack of insulation in the roof and walls allowed the snow to melt away quickly and relieve that load. This was a great presentation.

Our annual Holiday Party will be held at Rico's Ristorante in East Syracuse on Wednesday December 9<sup>th</sup> from 6:30 p.m. to 9:00 p.m. Dinner will be family-style sit down meal. Cost is \$ 25.00 per person. See attached insert for location. Hope to see you there. Please contact Rae Butler at (315) 492-2445, email: rbutler@buildingenergysolutions.net or log onto the website to make reservations.

Our next regular meeting will be Wednesday January 13 at the Doubletree Hotel. The speaker will Mark Capriotti (past president) on the topic of International Building Codes.

I hope everybody has a Happy Holiday.

*Jim Walker*  
CNY Chapter President

### ASHRAE Monthly Meetings

Location: Doubletree Hotel Syracuse

6302 State Route 298, Carrier Parkway East, Syracuse, NY 12205

Times: 5:30 – 6:00 p.m. Social Hour (cash bar)  
6:00 – 6:30 p.m. Dinner  
6:30 – 6:45 p.m. ASHRAE Business  
6:45 – 8:00 p.m. Main Program

Cost: \$25.00 per person. Reservations: <http://centralnewyork.ashraechapters.org>

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

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## *Historically* Speaking

### A Little Heat Pump History

During the 1970s, following the oil embargoes, heat pump sales began to grow. General Electric and several other manufacturers promoted the idea that heat pumps were renewable energy devices that should qualify for U.S. Government renewable incentives, (based on the fact they utilized heat from the outdoor air or earth that originated from the sun), but were unsuccessful at that time. Over the years, utilities have incentivized heat pumps to encourage them vs. direct electric heat and gas furnaces.

Recently several countries have begun to include heat pumps in their portfolio of renewable technologies for credit to their Kyoto commitments. Last December the European Union issued an Energy Directive that now qualifies both air source and ground/water source heat pumps as renewable, and Japan has a similar program with a target to have heat pumps reach 30% of their renewable energy contribution by 2020. Maybe the time has come for the U.S. to take advantage of this potential benefit (there are 60 million heat pumps installed in the U.S.) in meeting global warming targets viz a viz other countries if we commit to a Kyoto successor.

— **Paul Britton, Chapter Historian**

# AHR 2010 EXPO

**Date:** January 25-27, 2010

**Location:** Orange County Convention Center, Orlando, Florida

This years AHR EXPO will be in Orlando, Florida again. The last time it was there was 5 years ago. There are expected to be over 1,800 exhibitors and 25,000 visitors represented by all 50 states and 120 Countries.

**Location, dates and times as follows:**

Orange County Convention Center  
North/South Building  
9899 International Drive  
Orlando, Florida 32819

Monday, January 25	10:00 a.m. to 6:00 p.m.
Tuesday, January 26	10:00 a.m. to 6:00 p.m.
Wednesday, January 27	10:00 a.m. to 4:00 p.m.

**[www.ahrexpo.com](http://www.ahrexpo.com)**

The CNY Chapter is now accepting business card advertising in this monthly newsletter. Send us your business card (or text for a line card) and we'll scan it in and for \$50 your card will run in the newsletter for the year. Send your ad and payment to:

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# 2009/2010 CNY ASHRAE Programs

I would like to say a big "Thank You" to our November speaker Edward Fronapel for a very interesting and informative lecture.

This years ASHRAE Holiday Party will be held at Rico's Restaurant on December 9, 2009 at 6:30 p.m. The cost is \$25.00 per person; please get your reservations in early.

In January our next speaker will be our own Past President, Mark Capriotti, Vice President of Commercial Sales at Flex Hose Company Inc. He will speak on International Building Codes.

## Upcoming Programs

December 9	<b>Christmas Party</b> – Rico's Ristorante
January 13	<b>Mark Carpiotti</b> (ASHRAE Past President) — International Building Codes
February 10	<b>UVC</b> — Joint Meeting ASHE (Speaker provided from EDCO Filters) <b>SU Night</b>
March 10	<b>Carrier History Night</b>
April 14	<b>Tour</b> — Cornell Combined Heat & Power Plant
May 12	<b>Julian DeBullet</b> — Variable Refrigerant Flow/Joint Meeting RSES
June	<b>Clambake &amp; Golf Tournament</b>

— Steve Sill  
Vice President/Programs

# **ASHRAE Region I**

## **2009-10 Executive Committee & Society Contacts**

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# ASHRAE Government Affairs Update

- ◆ ACEEE: California Leads the Country in Energy Efficiency Policies
- ◆ Nearly \$40 Million for Energy Efficiency and Conservation Projects in Florida and Maine
- ◆ More Than \$104 Million for National Laboratory Facilities
- ◆ United States and China to Cooperate on Clean Energy
- ◆ AIA Report Notes Surge in Green Building Programs

## **ACEEE: California Leads the Country in Energy Efficiency Policies**

California topped the 2009 State Energy Efficiency Scorecard, recently released by American Council for an Energy-Efficient Economy (ACEEE). The third annual edition of the report from the nonprofit ranks states in six energy efficiency categories: utility-sector and public benefits programs and policies; transportation policies; building energy codes; combined heat and power; state government initiatives; and appliance efficiency standards. In the new scorecard, Massachusetts and Connecticut land in second and third place, respectively, while the states at the bottom of the list include Mississippi, North Dakota, and Wyoming.

The report lauds the states of Colorado, Delaware, Maine, South Dakota, and Tennessee for greatly improving their ranking in 2009. According to the ACEEE, a variety of efforts boosted the rankings of those states, including the adoption of new building energy codes and the setting of new energy savings targets. For instance, Maine moved up 9 spots to number 10 through the increased efforts of Efficiency Maine (the agency that delivers the state's energy efficiency programs), the adoption of building energy codes, land-use planning management, and other activities. The report also notes a growing trend toward Energy Efficiency Resource Standards (EERS), which set binding energy savings goals for utilities. In late 2008 and in the first half of 2009, Delaware, Michigan, Ohio, and Pennsylvania passed laws establishing EERS targets. See the ACEEE press release <http://www.aceee.org/press/e097pr.htm> and the 2009 State Energy Efficiency Scorecard <http://www.aceee.org/pubs/e097.htm>.

## **Nearly \$40 M for Energy Efficiency and Conservation Projects in Florida and Maine**

Energy Secretary Steven Chu announced that the U.S. Department of Energy (DOE) is awarding nearly \$40 million in funding from the American Recovery and Reinvestment Act to Florida and Maine to support clean energy projects. Under DOE's Energy Efficiency and Conservation Block Grant (EECBG) program, these states will implement programs that lower energy use, reduce carbon pollution, and create green jobs locally.

The awards to the State Energy Offices will be used to support state-level energy efficiency priorities, along with funding local conservation projects in smaller cities and counties. At least 60% of each state's award will be passed through to local cities and counties not eligible for direct EECBG awards from the Department of Energy. The EECBG Program was funded for the first time by the Recovery Act and provides formula grants to states, cities, counties, territories and federally-recognized Indian tribes nationwide to implement energy efficiency projects locally.

Projects eligible for support include the development of an energy efficiency and conservation strategy, energy efficiency audits and retrofits, transportation programs, the creation of financial incentive programs for energy efficiency improvements, the development and implementation of advanced building codes and inspections, and the installation of renewable energy technologies on municipal buildings.

For a full list of awards to date, visit the Energy Efficiency and Conservation Block Grant Program website: <http://www.eecbg.energy.gov>.

## **More Than \$104 Million for National Laboratory Facilities**

Deputy Secretary of Energy Daniel Poneman announced \$104.7 Million in funding from the American Recovery

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and Reinvestment Act for eight new projects to establish critical research and testing facilities at seven U.S. Department of Energy (DOE) national laboratories. The projects will support the development and improvement of clean energy and efficiency technologies of strategic national interest. Specifically, the funding will go toward reducing the production cost of carbon fiber manufacturing, to help in reducing the weight of vehicles; improved efficiency and lower costs for car batteries; and net-zero energy building technologies. This effort will leverage the combined intellectual and technical resources of DOE national laboratories to support technologies that will help transform the economy and create jobs, while decreasing carbon emissions.

### **United States and China to Cooperate on Clean Energy**

President Barack Obama and China's President Hu Jintao announced on November 17 a far-reaching package of measures to strengthen cooperation between the United States and China on clean and renewable energy. The presidents began by establishing a U.S.-China Clean Energy Research Center to facilitate joint research and development of clean energy technologies by scientists from both countries. The center will be supported by \$150 million in public and private funds over the next five years, split evenly between the partners. Initial research priorities will be building energy efficiency, clean vehicles, and carbon capture and storage.

Also, building on the first-ever U.S.-China Electric Vehicle Forum in September 2009, the two leaders unveiled a U.S.-China Electric Vehicles Initiative, which will include developing joint standards, building demonstration projects in more than a dozen cities, creating technical roadmaps, and carrying out public education projects. Both nations said they share an interest in accelerating the deployment of electric vehicles in order to reduce oil dependence, cut greenhouse gas emissions, and promote economic growth. The countries will also leverage private sector resources to develop clean energy projects in China through the U.S.-China Energy Cooperation Program (ECP). More than 22 companies are founding members of the program. The ECP will include collaborative projects involving renewable energy, smart grids, clean transportation, green buildings, combined heat and power, energy efficiency, and clean coal.

As part of their joint efforts, the two powers will hold an ongoing series of forums. For example, a new U.S.-China Energy Efficiency Forum will be held annually, rotating between the two countries. This will be part of the new U.S.-China Energy Efficiency Action Plan, launched by President Obama and President Hu Jintao. The action plan commits the two countries to work together and with the private sector to improve the energy efficiency of buildings, industrial facilities, and consumer appliances. Similarly, the new U.S.-China Renewable Energy Partnership will feature an annual rotating forum. Under the partnership, the two countries will develop roadmaps for widespread renewable energy deployment in both countries. In addition, the countries will encourage state-to-state and region-to-region partnerships in order to share experiences and best practices. Also included in this undertaking will be a new Advanced Grid Working Group, which will bring together U.S. and Chinese policymakers, regulators, industry leaders, and civil society to develop strategies for grid modernization in both countries. See the DOE press release (<http://www.energy.gov/news2009/8292.htm>) and the DOE fact sheets on the Clean Energy Research Center ([http://www.energy.gov/news2009/documents2009/U.S.-China\\_Fact\\_Sheet\\_CERC.pdf](http://www.energy.gov/news2009/documents2009/U.S.-China_Fact_Sheet_CERC.pdf)), Energy Efficiency Plan ([http://www.energy.gov/news2009/documents2009/US-China\\_Fact\\_Sheet\\_Efficiency\\_Action\\_Plan.pdf](http://www.energy.gov/news2009/documents2009/US-China_Fact_Sheet_Efficiency_Action_Plan.pdf)), and Renewable Energy Partnership ([http://www.energy.gov/news2009/documents2009/US-China\\_Fact\\_Sheet\\_Renewable\\_Energy.pdf](http://www.energy.gov/news2009/documents2009/US-China_Fact_Sheet_Renewable_Energy.pdf)).

### **AIA Report Notes Surge in Green Building Programs**

The number of U.S. cities with green building programs has increased 50% in two years, according to a survey by the American Institute of Architects (AIA). Green buildings generally include energy-efficient designs and other sustainable features. Among the findings from AIA, 138 cities have green building programs, compared with 92 cities in 2007, and 24 of the 25 most populated metropolitan regions are built around cities with a green building policy. The new report, "Green Building Policy in a Changing Economic Environment," is an inventory of policies and best practices intended to help policymakers advance a more sustainable legislative agenda for growth and development. The report also notes that DOE's Energy Efficiency and Conservation Block Grant program, funded by the American Recovery and Reinvestment Act, is providing "an unprecedented opportunity for the advancement of green building and sustainability efforts in our nation's cities." See the report (<http://www.aia.org/advocacy/local/AIAB081637?dvid=&recspec=AIAB081637>).

— Bill Walter



# *You're invited to the Annual Holiday Dinner!*



Happy Holidays Everyone! The December 9th meeting will be our traditional Christmas Party. This year's dinner party will be held at Rico's Ristorante. The dinner price including tax and tip will be \$25.00 per person. There will be a cash bar. This will be a "family style" sit down dinner featuring the menu below. All food is served at the same time and is passed around family style. We will be located in the back of the restaurant.

6:30 - 7:00 p.m.      Drinks  
7:00 to 9:00 p.m.      Dinner

Rico's Ristorante is located in East Syracuse off Bridge Street across from BJ's Warehouse.  
320 E. 1st Street, East Syracuse, NY 13057, Ph: 432-1862

**Rico's Ristorante**  
*ITALIAN-AMERICAN Cuisine*

## **FAMILY STYLE DINNER MENU**

**ANTIPASTO SALAD  
GARLIC PIZZA  
FRIED CALAMARI  
CHICKEN SCARP**

**EGGPLANT PARMIGIANA  
PORK BRACIOLA  
VEAL CACCIATORE  
PASTA  
MEATBALLS**

**DESSERT  
COFFEE**

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