



Mississippi Valley Chapter Newsletter

February 2010

<http://www.mississippivalleyashrae.org>

Monthly Newsletter

Important Dates

- February 18, 2010
ASHRAE's Building Energy Labeling Program
- March 18, 2010
Seminar
- April 15, 2010
Hybrid Geothermal Systems
- May 20, 2010
The US Army Corps of Engineers Commissioning Lessons Learned.
- June 4, 2010
Golf Outing

ASHRAE's Building Energy Labeling Program

Ron Jarnagin

Mr. Jarnagin has been involved in energy-related research and development activities for over 35 years. His background is diverse, including work in the areas of fluid flow, power plants, automotive and transportation systems, HVAC systems, energy use in buildings, smart grid activities and energy standards development. Mr. Jarnagin has served on numerous utility, government and business advisory boards, lending his expertise to solving their respective energy problems. He served on the faculty in the Department of Mechanical Engineering at the University of Florida for 10 years, and has been with Pacific Northwest National Laboratory for the past 20 years.

Technical Topic

ASHRAE's Vision 2020 report called for the initiation

of a building labeling program to provide information on the energy efficiency to owners and tenants of those buildings. To implement this recommendation ASHRAE has launched a Building Energy Labeling program that was initially approved by the Board in June, 2008 at the Salt Lake City meeting. Some key elements of the plan are that ASHRAE will initially partner with the U.S. EPA's Energy Star program for buildings to gain a quick start for the program and to avoid market confusion in labeling. ASHRAE will also work with EPA to help strengthen the Energy Star requirements while producing a labeling program that works globally as well. The presenter served as the chair of the committee that developed the recommendations for the Building Energy Labeling program.

February 18th Program

Location: The SteepleGate Inn
Symposium Room
100 W 76th St
Davenport, IA

Program: ASHRAE's Building Energy Labeling Program

Agenda: 4:30-5:30 Program
5:30-5:45 Meeting at SteepleGate
5:45-6:45 Dinner at SteepleGate

Menu: Prime of Pork
Tossed Salad
Fresh Seasonal Vegetables
Baked Potato
Freshly Baked Dinner Rolls
Oreo Cheesecake



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Annual Design Competition

Projects can still participate in this year's design competition. Any type of building (hospitals, institutional buildings, commercial buildings, industrial facilities, public assembly, or residential) is able to be entered for the competition, new or existing. A copy of the short form application is included at the end of the newsletter. This form can be used for submission to the Chapter and Region competitions. If a member has a good potential project but without a full year of operating data it is recommended the project be written up on the short form and submitted to chapter for consideration. When a full year of operating data is available the write-up and project submittal can be completed. If anyone has questions, email Bruce Davis at DavisBruceL@JohnDeere.com.

ASHRAE News

ASHRAE Publishes New Book on Dampers and Airflow Control

ATLANTA –ASHRAE has released a comprehensive guide on dampers, providing resources for gaining good judgment of the engineering principles needed to size, select, install and adjust control dampers.

Dampers and Airflow Control is geared toward mechanical designers; mechanical and control contractors; and testing, adjusting and balancing (TAB) contractors. Additionally, the content material helps to bridge the gaps that exist between disciplines.

<http://www.ashrae.org/pressroom/detail/17425>

ASHRAE Specialty Conference to Focus on Improving School Facilities, Young Minds

ATLANTA – Maximizing facility performance, and thereby students' potential, is at the heart of the ASHRAE High Performance K-12 School Facilities conference, to be held Mar. 1-2, 2010 in Atlanta, Ga.

The conference will present an integrated approach to complying with codes and standards while achieving a cost effective high performance solution to K-12 facility design, construction and operation. Its goal is to bring together administrators, design professionals, policy makers and other stakeholders to learn about the many ways to improve these facilities on operational, fiscal, engineering and administrative levels.

<http://www.ashrae.org/pressroom/detail/17423>

Slash Urban Energy Use: ASHRAE Conference Offers Guidance on Cutting Energy Waste

ATLANTA – Bright lights, big cities translate into high energy use and cost.

Cities contribute to 67 percent of the world's primary energy demand, according to the 2008 World Energy Outlook published by the International Energy Agency. The Agency shows that cities emitted 19.8 gigatonnes of CO₂ from energy use in 2006, which is 71 percent of global energy related CO₂ emissions. Both of those percentages are expected to increase in the future.

<http://www.ashrae.org/pressroom/detail/17418>

Changes Proposed for Standard 90.1 Address Metal Buildings

ATLANTA – Changes to assembly descriptions and U-Factors regarding metal building assemblies are being considered in the 2010 version of Standard 90.1, expected to be published in the fall.

ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, provides minimum requirements for the energy-efficient design of buildings except low-rise residential buildings.

The changes regarding metal buildings are among many being proposed for the 2010 standard. Some 43 addenda already have been approved, impacting the standard in a variety of ways from energy recovery to controls to daylighting.

<http://www.ashrae.org/pressroom/detail/17408>

Digital Journal

http://www.nxtbook.com/nxtbooks/ashrae/ashraejournal_200904/#/0

Industry News

President Orders Government to Cut GHG Emissions 28%

WASHINGTON—U.S. President Barack Obama has directed the federal government to reduce its emissions of heat-trapping gases by 28% in the next decade. The order leaves it up to individual agencies to set targets. The Defense Department has already pledged to reduce its greenhouse gas emissions in noncombat areas 34% by 2020. Obama said the government spent more than \$24.5 billion on electricity and fuel in 2008.

<http://www.washingtonpost.com/wp-dyn/content/article/2010/01/29/AR2010012902117.html>

Vegetated Building a Thorn to Critics

PORTLAND, Ore.—As reported in the Jan. 21 *The HVAC&R Industry*, the U.S. General Services Administration (GSA) is planning to cultivate “vegetated fins” that will grow more than 200 ft (61 m) high on the main federal building here as part of a \$133 million renovation. Now, *The New York Times* reports not everyone is enthusiastic about the plan. Senators John McCain (R-Arizona) and Tom Coburn (R-Oklahoma) have criticized the cost of the project and ranked it second on a list of what they called the 100 worst stimulus-financed projects.

<http://www.nytimes.com/2010/01/31/us/31portland.html>

U.S. Federal Budget Increases Funding for Renewable Energy, Efficiency

WASHINGTON—As part of the federal budget proposal released this week, the U.S. Department of Energy (DOE) is to receive \$28.4 billion. That figure includes \$2.36 billion for the DOE Office of Energy Efficiency and Renewable Energy (EERE). The proposed budget aims to reduce unnecessary energy use, boost renewable energy sources, and strengthen clean energy research. The budget includes substantial increases for many EERE programs, including a 53% increase for wind energy programs, a 43% increase for the federal weatherization program, a 32% increase for the Federal Energy Management Program, a 25% increase for geothermal energy projects, and a 22% increase for solar energy development.

<http://www.energy.gov/news/8588.htm>

Check-out the Updated Chapter
Website at:

www.mississippivalleyashrae.org

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