



2011 GasNetworks Heating Professionals Fall Conference

CONFERENCE AGENDA

7 – 8 a.m. • Registration/Continental Breakfast

8 a.m. – 4:30 p.m. • Exhibitors' Showcase

The Exhibitors' Showcase will be open in the Ballroom and the parking lot for the duration of the program. Please make a point of visiting with the representatives of these companies, which offer an array of high-efficiency natural gas heating equipment, products, and services.

8 – 8:15 a.m. • Welcome & Session Previews

Paul Degnan, NSTAR Gas

The GasNetworks 11th Annual Heating Professionals Fall Conference opens with welcoming remarks from GasNetworks Training & Education Committee member Paul Degnan, who will provide an overview of the new GasNetworks programs available to your customers. Paul also will highlight briefly the upcoming sessions to help you determine which ones you would like to attend.

8:15 – 9 a.m. • Jimmy Dunn, Comedian

Start off the day with a few good laughs! Nationally-known comedian Jimmy Dunn will entertain you with his unique style of comedy. Jimmy is the creator and writer of the Olympia Sports TV commercials and stars as Jimmy the Cabbie. He also is the wise-ass voice guy on the Emmy Award-winning NESN TV show Sox Appeal. Jimmy was picked as one of the IT People of 2007 by New Hampshire Magazine. He's a headliner all over the country, including Las Vegas and Atlantic City, and performs on cruise ships all over the world!

9 - 10:30 a.m. • Concurrent Sessions I

High-Efficiency Domestic Water Heating

Robb Ellis, Sales Engineer, FIA, Inc.

This session will explore the three common methods of high-efficiency DHW for large residential and commercial uses, including indirect, tank type, and separate heater and tank. Robb will cover proper design, sizing, and installation, as well as energy efficiency comparisons and costs of operation.

Tankless, On-Demand Water Heating Installation/ Application Class

*John Murphy, Business Development Manager,
Sweeney Rogers Geraghty, Inc.*

This session will cover important installation issues and considerations, as well as system diagnostics. Not only is this cutting-edge technology energy-efficient—most of these products qualify for a federal tax credit of \$300 on top of an \$800 rebate from GasNetworks!

Condensing Boilers

Kevin Flynn, Northeast Territory Manager, Viessmann Manufacturing

Do all condensing boilers perform equally, and why is material construction so important? During this session, Kevin will discuss the six factors that influence the effectiveness of condensing technology and how those factors have impacted the design and construction of some of today's best condensing boilers.

Maximizing High-Efficiency Boiler Systems

George R. Carey, Jr., Vice President, FIA, Inc.

This session will cover proper sizing and piping methods critical to avoiding operational problems, why it makes sense to implement outdoor reset for further efficiency and comfort, how to prevent short cycling a modulating/condensing boiler (an efficiency killer), and situations when using multiple mod/con boilers makes sense.

System Sizing

*Christopher Morin, Residential System Design Instructor,
Conservation Services Group/Cool Smart*

On August 4, 2011, the 8th Edition MA Residential Building Code became effective. This means that "heating and cooling equipment shall be sized in accordance with ACCA Manual S based on building loads calculated in accordance with Manual J or other approved methodologies." This session will explore how proper load calculations and equipment selection can benefit the quality contractor. Christopher also will review a complete Manual J site survey form for use with both Manual J heat gain and heat loss, including a discussion on proper residential system design.

"Greening" Steam

Dan Holohan, President, Dan Holohan Associates

Most of America's older steam heating systems are unbalanced, which leads people to either open the windows on the cold days or shiver and then buy electric heaters to make up for it! Dan will show you how to "green" steam and get the most efficiency out of those vintage systems.

Wohler Institute of Technology Gas Combustion 101

Peter J. Cullen, Chief Operating Officer, Wohler USA

This session will cover the principles of combustion testing of gas-fired heating appliances. This session includes a "how-to" test to insure that gas water heaters and high-efficiency furnaces and boilers are running efficiently and safely. Carbon monoxide safety and testing also will be covered. Whether testing for C.O. in the stack (C.O. air-free) or checking a home for ambient C.O. levels, this course covers the proper techniques for testing C.O. to insure customer health and safety.

CONFERENCE AGENDA *(continued)*

10:30 – 10:45 a.m. • Morning Break

10:45 a.m. – 12:15 p.m. • Concurrent Sessions II

ECM and Variable Speed Motors:

How to Maximize Energy Savings and Comfort

Charlie McCracken, Trainer, Conservation Services Group

This session will explain the proper setup of ECM and variable speed blower motors and will examine OEM installation guides, fan performance charts, and the proper testing procedures to help you maximize performance, comfort, and energy savings. This session is for anyone installing GasNetworks rebate-eligible furnaces or Cool Smart rebate-eligible AC equipment.

Maximizing High-Efficiency Boiler Systems

See presenter/session description from Concurrent Sessions I

Combination Heating/Water Heating Boilers

Jeff Hubeny, Regional Trainer and Technical Advisor, Navien America

Combination boilers combine the functions of a central heating boiler and a tankless, on-demand water heater. These high-efficiency condensing appliances incorporate individual heating and domestic hot water circuits with stainless steel heat exchangers, providing for safe and efficient space and water heating operation. Topics will include applications, installation, benefits, and operational features.

The World of Green Heating

Dan Holohan, President, Dan Holohan Associates

Dan will take you on a fascinating tour of heating systems he's either visited or researched from around the world. He'll explain the thinking that goes into the design of these amazing systems and talk about what may be coming to the U.S.

What's New in Renewable Energy

Bruce Marshall, Training Coordinator, Emerson Swan, Inc.

This session will explore both new and upgraded technologies in renewable energy. Bruce will discuss the latest innovations in solar thermal for heating and domestic hot water. Geothermal heat pumps use the solar energy stored in the earth to provide heating, air conditioning, and hot water. This session will cover the various types of geothermal systems in use today and explain why they are among the most energy-efficient and comfortable heating and cooling technologies currently available.

High-Efficiency Domestic Water Heating

See presenter/session description from Concurrent Sessions I

Gas Industry Issues

Brad Wong and Peter DeFreitas, NSTAR Gas

This class will review significant issues facing the natural gas industry and appliance installations in Massachusetts, including the price and supply of natural gas, changes in appliance design, code issues in Massachusetts, and the new Sheet Metal Board Rules and Regulations. Brad and Peter will review recent actions of The Board of Examiners of Plumbers and Gas Fitters, including continuing education, product approval, outdoor appliance approvals, redesigned permit and Special Permission applications, CSST installations, appliance venting, and license enforcement.

12:15 – 1:15 p.m. • Lunch

During the lunch break, check out all the great outdoor exhibits, including the Weil-McLain glass-piped steam boiler demonstration!

1:15 – 2:45 p.m. • Concurrent Sessions III

Tankless, On-Demand Water Heating Installation/Application Class

See presenter/session description from Concurrent Sessions I

What's New in Renewable Energy

See presenter/session description from Concurrent Sessions II

Condensing Boilers

See presenter/session description from Concurrent Sessions I

Wohler Institute of Technology Gas Combustion 101

See presenter/session description from Concurrent Sessions I

Gas Industry Issues

See presenters/session description from Concurrent Sessions II

System Sizing

See presenter/session description from Concurrent Sessions I

"Greening" Steam

See presenter/session description from Concurrent Sessions I

2:45 – 3:30 p.m. • General Session—Trainers' Panel Discussion

Moderated by Bruce Marshall and Dan Holohan

Here's a chance to catch up on what you might have missed in one of the other sessions. Our panel of trainers will take questions and relay areas of interest from their individual sessions held earlier in the day.

3:30 – 4:30 p.m. • Raffle, Reception & Exhibits

Join us for an informal and friendly event to conclude the day. Meet with colleagues and visit our exhibitors both inside and outside. Refreshments and hors d'oeuvres will be served.