



The New York State Society of Professional Engineers NYSSPE – Long Island, Seminar Offering

Thursday – November 20, 2025, from 6PM to 8:30PM (2 PDHS)

Location: Hauppauge Palace Diner
525 Smithtown Bypass
Hauppauge, NY 11788
Phone: 631-724-1775

Topics:

- 6:00PM to 6:30PM: Dinner
- 6:30PM to 7:30PM: Maximizing Condensing Boiler Performance
- 7:30PM to 8:30PM: Air to Water Pump Heat Pump Theory and Application
Speaker - Jon Gifford, PE, Commercial Sales Engineer, Viessmann (Carrier)

Dinner will be served.

Cost:

NSPE members:	\$50.00
Non-members	\$70.00

Please use the link for on-line payment.

[REGISTER HERE](#)

Contact Michael Carroll, PE, if you have any questions (516)-642-5183 or mjcarroll7@gmail.com.

If paying by check, make checks payable to: NYSSPE-Long Island Chapter

Return form on the last page and mail payment to:
NYSSPE – Long Island Chapter
477 Miller Place Rd, Miller Place, NY 11764

Seminar Summary:

The seminar will offer two PDH credits for two independent presentations summarized below:

Maximizing Condensing Boiler Performance

This presentation will explore maximizing the delivered efficiency of gas fired condensing boilers. Return water temperature plays a major part in this. The following topics will be discussed: Heat make-up of natural gas combustion and how it relates to condensing boilers and how this affects the delivered performance, How the return water temperature of the system affects the performance of a condensing boiler, and when approaching boiler control how outdoor reset can drive efficiency. In lowering return water temperature, how differential temperature, design temperature and piping arrangements affect overall performance.

Air to Water Pump Heat Pump Theory and Application

As the hydronic heating industry moves into the electric market, heat pumps are becoming part of our system. For those of use that are used to burning fuel to provide heat, the question becomes how the heat pump is providing energy into the system. How much energy can we expect? What are the basic designs of a heat pump? How does a heat pump integrate into a hydronic system? These are the questions that will be answered during this presentation.

Speaker Bios:

Mr. Jon Gifford lives in Blauvelt (Rockland County), NY with his wife. Jon has two adult sons and five grandchildren. He has been involved in the industry for over 45 years, starting as a 14-year-old assisting his dad installing boilers. He has worked for multiple boiler manufacturers and also worked as a sales engineer for manufacturer representatives. While not performing the duties of a sales engineer, Jon enjoys golf, woodworking, spending time with the grandkids, and working on his new house. He also has twenty years of semi-pro football, and eight years of men's club rugby which has taken a toll on his body.

NYSSPE Long Island - Seminar Series

Thursday, November 20, 2025 6:00 PM - 8:30 PM

**A Maximizing Condensing Boiler Performance
Air to Water Pump Heat Pump Theory and Application**

Name:			
Email:		Phone:	
NSPE Member #		Amount Enclosed:	

**\$50 for Members and \$70 for Non-Members
All fields must be completed**

**Make checks payable to: NYSSPE – Long Island Chapter
c/o 477 Miller Place Rd, Miller Place, NY 11764**