

Oct 2017 Newsletter

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An ASHRAE International Premier Chapter

JOIN WASHRAE and WVSHE on Thursday, **NOVEMBER 16, 2017** for a joint Luncheon Seminar Focused on Central Plant Optimization.

Seminar Topics Include:

- *Steam Utilization and Condensate Handling in Heat Transfer Equipment
- *Chilled Water Plant Optimization (Chilled and Condenser Water Systems)

Location:

Holiday Inn & Suites
400 Second Ave
Charleston, WV 25303

Time:

November 16, 2017
Seminar from 10:30 am to 2:00 pm
Deli Buffet Luncheon at 12:00 noon

Seminar attendees earn **3 PDH** certificates from WV ASHRAE.

Steam Utilization & Condensate Handling in Heat Transfer Equipment.

Presenter: Gregg A . Melfe, Watson McDaniel Co.

- Discuss the various ways and sizing considerations to control steam to heat transfer equipment
- Sizing of process steam traps for heat transfer coils and heat exchangers
- Understanding "system stall" and the challenges of removing condensate in heat transfer equipment.
- Condensate pumps & pump/trap applications. Utilizing vacuum for efficiency.

Chilled Water Plant Optimization for Chilled Water and Condenser Water Systems

Presenters: Robert Doeffinger, P.E. and Sam Butzer, P.E. ZMM, Inc.

- Rule of Thumb Calculations (flow and temps, pump and pipe sizing)
- Basic System Configurations
- Conversion to Variable Speed (3-way to 2-way)
- Problems/Solutions:
 - Low Delta-T (energy valve)
 - Flow vs. Capacity
- Controls:
 - Pump control
 - Staging chillers
 - Flow meters
 - Cooling towers – condenser pumps and tower fans
- Chiller Plant Optimization Programs

Registration:

Sign up with Nov PayPal button located on the WASHRAE website at:

<http://www.wvashrae.org/nov-16-2017-meeting.html>

<http://www.wvasrae.org/nov-10-2017-meeting.html>

Seminar Registration and lunch - \$39, Chapter Members \$30, Students with ID \$20

Questions ?? Contact:

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