

# Early November 2017 Newsletter

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## MONTHLY MEETING REMINDER



An ASHRAE International Premier Chapter



JOIN WVASHRAE 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:**

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

Sign up with the November PayPal button located on the WVASHRAE website at: <http://www.wvashrae.org/nov-16-2017-meeting.html>

**Questions ?? Contact:**

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