

# PRESENTATION:

## Key Impacts of ASHRAE Standards on Waterside Design

Many ASHRAE Standards have become building code in North America. Engineers, Contractors and Owners are expected to apply these Standards to their buildings. In many cases, we find in the real world of HVAC Hydronic systems a lack of awareness and understanding of basic important sections. This seminar will take a common-sense approach to specific sections of ASHRAE 90.1-2010/2013 and discuss how they have a direct impact on Water side HVAC installation and design. Below is an outline of what will be covered:

- \* History of ASHRAE 90.1
- \* 90.1-2010 and 2013 Current Requirements
- \* Waterside Economizers and 90.1 90.1-2016 Future Requirements

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## SPEAKERS BIO:

### Chris Edmondson

CEO James M. Pleasants Company, Inc.  
Greensboro, NC

Chris Edmondson received his B.S. Degree in Mechanical Engineering from North Carolina State University in 1967. During his summers, he worked at Barber Coleman and Jay Johnson Controls. After graduation, he spent four and a half years as a salesman with the Trane Company. In 1971, he came to work for the James M. Pleasants Co., Inc. (Manufacturer's Representative for the ITT Fluid Handling Division) He worked as an Outside Salesman until 1978, when he was promoted to Vice President and Sales Manager till 1987. From 1987 to 2010, he has served as President of the Pleasants Company. Chris is currently CEO of James M. Pleasants Company.



Chris has served many years in the ASHRAE organization, holding positions such as Secretary/Treasurer, Vice President and President of the North Piedmont Chapter. For the fiscal year, 1985-86, Chris received the Rudy Ferguson Memorial Award (Presidential Award of Excellence). In 1985, he became a Technical Speaker to various ASHRAE chapters and he is a Distinguished Lecturer for ASHRAE. He spoke at ASHRAE's CRC Region VII meeting in 1992, Region III CRC Technical Speaker 2013 Bethlehem PA, ASHRAE 2014 NYC lecture series, ASHRAE Region IV CRC 2015 Raleigh NC, Birmingham's Region VII Meeting and many other ASHRAE events as a Technical Speaker. He held the position of Educational Activities Vice Chairman for Region IV from 1992 to 1994. In 1995 he was the Chapter Program Chairman for Region IV. He has served as Region IV DRC and on the ASHRAE Board of Directors. He has also served on the ASHRAE nominating committee. He is also an approved instructor on many USGBC GBCI LEED Presentations.

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## SCHEDULE:

4:00 pm: . . . . . Board of Governors meeting (open to all members)

5:30 pm: . . . . . Sign-in & Socialize

6 - 8 PM: . . . . . Meeting, Meal & Presentation

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## REGISTRATION:

**Please RSVP / Pre-Register** so we can get a good head-count for the drink and meal quantities. **Save \$10** if registered **before the Early Bird** cutoff date/time of 2 PM on Monday before the meeting.

**Pre-pay On-Line:** Cut down your wait at the Welcome Table! (PayPal & CCs)

Note: On-Line registration and pre-payment closes the midnight before the event

**Welcome Table:** accepts Personal Checks and CCs.

**Student Members** are welcome at **no cost**, (and non-member students who are their guests), **if they pre-register** before the Early Bird cutoff.

OTHERWISE, you'll have to pay a walk-in fee of \$10.

**Not a member of Triangle ASHRAE?** You are still welcome to register On-Line. (Use Non-Member ticket). Get the \$10 discount if before the EB cutoff!

Registration Fee includes drinks and the meal

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## PDH (Professional Development Hour) CREDIT:

This presentation should meet the NC PE criteria for 1 hour of PDH credit (unless noted on the sign-in sheet).

Please Pre-Register with your PE number, and sign the Attendance Verification sheet.

Should the state ever require Proof of Attendance, simply forward their request to [President@TriangleASHRAE.com](mailto:President@TriangleASHRAE.com) and a copy of the Attendance Sheet will be provided to them. Note: their rules require you to keep additional records. See the NC PE Board for details.

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Note: the Board of Governors will have a chapter business meeting prior (4-5:30 PM).  
Anyone is welcome to observe.