

ASHRAE Building Energy Quotient (bEQ)
Tuesday, February 4, 2014



ASHRAE Distinguished Lecturer – Hoy Bohanon, PE, LEED AP, BEAP is director of the Energy Programs for WorkingBuildings. Mr. Bohanon began his engineering career as a research and design engineer, and then gained experience as a project engineer, facilities engineer, facilities manager, indoor air quality research engineer, environmental engineer, and business owner. **See attached biography.**

Presentation Abstract: ASHRAE has implemented a comprehensive building energy labeling program called Building Energy Quotient (bEQ). The objective of this labeling effort is to provide motivation for reducing energy use in commercial buildings by expressing the energy performance of buildings in a tangible way. The underlying belief is that public display and disclosure of the energy efficiency attributes of a building and its energy use intensity (EUI) will lead building owners to strongly consider cost effective energy efficiency improvements at the time of design and construction and in any subsequent renovations. Public display and disclosure of energy efficiency attributes and EUI should be a relevant factor in the real estate transaction marketplace for commercial buildings. bEQ incorporates both an operational rating, based upon actual energy billing, and an asset rating that normalizes for operational variables. The two rating systems will thus be able to communicate both the performance of the building as operated and the potential performance of the fixed assets of the building. **This session will present the major ideas behind the development of the labeling program and the process for implementation.**

- How can building energy labels influence energy efficiency of the overall building stock?
- How the new ASHRAE bEQ is different from other labeling systems?
- What metrics are most important for conveying the energy efficiency of a building?
- What you need to do to get a bEQ label for your building.

Earn 1 hour of Professional Development Hours at this meeting.

Date: *TUESDAY** February 4, 2014**

Lunch Location: ITT TECH – Theory 4 – 5425 Robin Hood Rd, Norfolk, VA 23513

- **Enter Building Doors right below ITT Tech Sign hanging from Bldg Facade**
- **Turn right in the foyer and pass the receptionist desk**
- **Take double doors out of foyer and ASHRAE sign in desk will be in the hallway**

Time: Meet and Greet/Lunch at 11:45am and Tech Session begins at 12:00 pm

Payment: Members = \$20.00 Non-Members = \$25.00 Students = \$10.00

For reservations go to <http://hamptonroads.ashraechapters.org/>

ASHRAE Distinguished Lecturer – HOY BOHANON, PE



Director of Energy Programs, WorkingBuildings, LLC Winston-Salem, NC

Hoy Bohanon, PE, LEED AP, BEAP is director of the Energy Programs for WorkingBuildings. WorkingBuildings is a professional services firm whose offerings include building commissioning, sustainability consulting, and laboratory compliance services. Mr. Bohanon began his engineering career as a research and design engineer, and then gained experience as a project engineer, facilities engineer, facilities manager, indoor air quality research engineer, environmental engineer, and business owner. He has a master's degree in engineering from North Carolina State University, and a bachelor's degree in mechanical engineering from Georgia Institute of Technology.

Mr. Bohanon has written technical papers and articles on indoor air quality, operations, and maintenance and is a frequent presenter at technical society meetings. He is a recipient of the ASHRAE Distinguished Service Award and is vice-chair of ASHRAE Standard 62.1 committee, Ventilation for Acceptable Indoor Air Quality. He also serves on the bEQ committee, Building Performance Alliance ad-hoc committee, and TC5.5 Air-to-Air Energy Recovery. He is chair of the US Technical Advisory Group panel 1 (general principles) and panel 4 (indoor air quality) for ISO TC205 Building Environment Design. He is a co-author of The Indoor Air Quality Guide: Best Practices for Design, Construction and Commissioning and Performance Metric Protocols for Commercial Buildings: Best Practices Guide. He also teaches multiple courses for the ASHRAE Learning Institute addressing ASHRAE 62.1 and IAQ. Mr. Bohanon is also a member of the Professional Engineers of North Carolina, US Green Building Council, and ASHE.