



®

POWERED BY  
**ASHRAE**

# ASHRAE's Building EQ

Be an Energy Genius  
Dough Cochrane

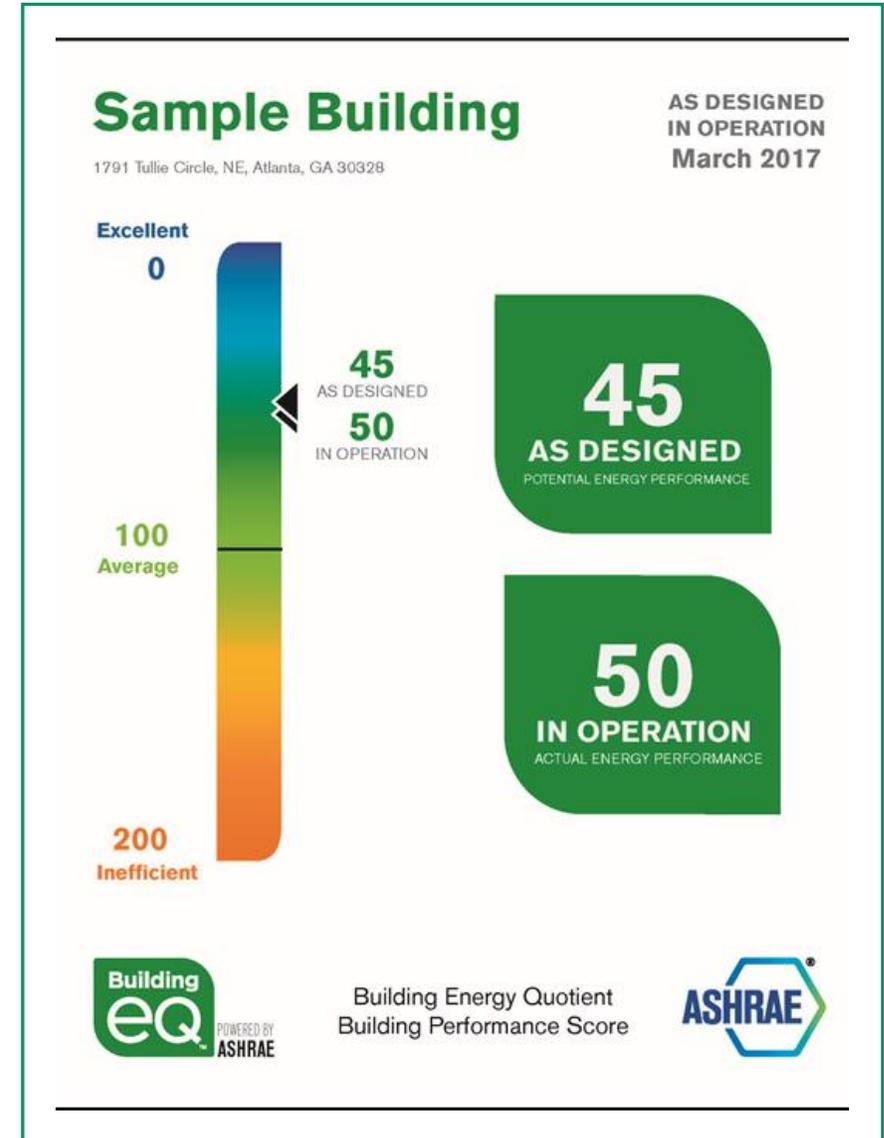
Aug 28th  
18:00-19:30 BST

<https://global.gotomeeting.com/join/835015821>



# Energy Analysis benchmark

- beyond benchmarking with ASHRAE's Building Energy Quotient! Building EQ provides in-depth energy analysis to benchmark energy performance, actionable energy efficiency measures, and information on a building's Indoor Environmental Quality. This program empowers building and campus owners on how their buildings contribute to their energy resilience and conservation plan.



# Energy Use Intensity EUI

- Two different evaluations can be used independently to compare a candidate building to other similar buildings or together for an assessment of design potential compared to actual operation:
- As Designed compares energy use based on a building's physical characteristics and systems utilizing simulated standardized energy use models of the candidate building and standardized modelling inputs of operating parameters, making the model independent of operational and occupancy variables, to the baseline energy use intensity (EUI).
- In Operation compares actual building energy use based on metered energy use of a building to baseline energy use intensity (EUI), provides actionable recommendations that may be used in preparation of an on-site ASHRAE Standard 211-compliant Level 1 Energy Audit, and confirms that indoor environmental quality is not compromised for energy savings.



# Energy Reduction

- Baseline (median) EUI is based on the median established by the U.S. Department of Energy's Commercial Buildings Energy Consumption Survey, corrected for location based on the
- building's ASHRAE Climate Zone. Building EQ can help measure and improve the performance of buildings, leading to the following energy resilience benefits:
  - Assessment of building energy use in comparison to net-zero energy consumption;
  - Identification of energy conservation opportunities for a wide variety of buildings; and
  - Accurate energy reduction recommendations applicable for buildings in their specific ASHRAE Climate Zone.



# BEQ



- Building EQ is a benchmarking and asset rating tool
- Helps make bad buildings good and good buildings great
- Performs both In Operation and As Designed ratings
- Flexible for managing large portfolios of buildings and users
- Aligns with ASHRAE Std 211 Level 1 Energy Audits
- Makes it easy to deliver both a benchmark and an energy audit to the building owner
- Allows owner to get consistent benchmarking and audit formats from a group of contractors



# Building EQ



[www.ashrae.org/BuildingEQ](http://www.ashrae.org/BuildingEQ)

