

Be an Energy Genius



ASHRAE's Building Energy Quotient program provides a quick energy analysis that benchmarks a building's energy performance. Building EQ also assists in preparation of an ASHRAE Level 1 Energy Audit to identify means to improve a building's energy performance including low-cost, no-cost energy efficiency measures and an Indoor Environmental Quality survey with recorded measurements to provide additional information to assess a building's performance.

Two different evaluations can be used independently to compare a candidate building to other similar buildings in the same climate zone or together for an assessment of a building's design potential compared to actual operation:

As Designed compares energy use based on the building's physical characteristics and systems

- Simulated standardized energy use model
- Independent of operational and occupancy variables

In Operation compares actual building energy use

- Based on actual metered energy use of a building
- Assists in preparation of on-site ASHRAE Level 1 Energy Audit
- Measurements confirm that indoor environmental quality is not compromised for energy savings

Benefits:

- ✓ Streamlines and improves the audit process
- ✓ Utilizes standard and consistent process for tracking improvement over time
- ✓ Provides a Building EQ performance score (efficiency) to benchmark building
- ✓ Compares building's performance score to other similar buildings
- ✓ Details actionable recommendations to improve a building's performance
- ✓ Provides documentation of the assessment and the results
- ✓ Creates an opportunity to reassess building performance following implementation of energy efficiency improvements to assess effectiveness (improved performance/rating)
- ✓ Offers a building label to recognize high performance buildings

For additional information, please visit www.ashrae.org/BuildingEQ

