

What will Building EQ do for me?

- 1) Compare:
“As Designed” vs “In Operation”
Ratings
- 2) Identify and Evaluate Capital
Improvement Opportunities,
Energy reduction Opportunities,
Energy use from on-site renewable
- 3) Identify and Evaluate Operation
Opportunities: Commissioning;
Energy efficiency improvements
- 4) Utilize Indoor Environmental Quality
Indicators to assure levels of service
are maintained
- 5) Reduce Potential Long-Term Risks
due to rising energy costs and
climate change concerns
- 6) Differentiate
your building from its peers, to
attract tenants or buyers
- 7) Verify Effectiveness
of Energy Saving Performance
Contracts

Building EQ vs existing “green” programs –

- Building EQ focuses solely on a building’s energy use
- Greater concentration on understanding energy use and identifying opportunities for improvement

Building EQ vs Energy Star –

- Greater differentiation for higher performing buildings
- Expansion on the type and amount of information provided
- Numerical and Qualitative scores easily comparable across similar buildings
- Mechanism for labeling building types outside Energy Star system

Pro-Tec Energy
Member of
USGBC
ASHRAE

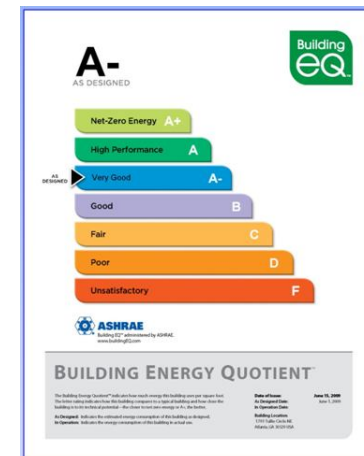
State of WI
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Pro-Tec Energy

Building Energy Quotient™

ASHRAE’s Building Energy
Labeling Program



Building Energy Labels provide:

- Information on the potential and actual energy use of buildings
- Feedback on building performance
- Insight into the value and potential long-term costs of a building
- Differentiation in the marketplace

Two Ratings buildings can receive:

Asset Rating (As Designed)

- Assessment of the building based on the components specified in the design (mechanical systems, building envelope, orientation, daylighting)
- Based on the results of a Building Energy Model
- Applicable to both new and existing buildings
- Can be used to make choices between potential building designs

Operational Rating (In Operation)

- Information on the measured energy use of a building
- Based on the structure of the building and how it is operated
- Applicable to existing buildings and for new buildings after 12-18 months of operation

Information Provided

The Label

- Most visible component
- Simple
- Targeted for general public
- Suitable for display
- Satisfies public disclosure requirements

The Certificate

- Technical information explaining the score on the label
- Information useful to building owners, potential owners & tenants, utilities, and operations/maintenance personnel
- Includes many value added features

The Documentation

- Background technical information reflecting the information on the label and the certificate
- Information useful to engineers, architects, and technically savvy building owners
- Useful in determining the current state of the building and opportunities for improving its energy use.

Building Energy Quotient™

What will Pro-Tec Energy provide?

Pro-Tec Energy is an engineering firm, staffed by professional licensed engineers, specializing in building energy analysis and modeling.

Pro-Tec Engineering Services include:

- Performing Building Energy Model for new or existing buildings
- Energy Usage Analysis and Recommendations based on Energy Model, Engineering Calculations and Financial Incentives
- Assembling Required Documentation and Certification Packages
- Customer Specific Analysis

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