



## Energy Assessments

ENERGY AND ENVIRONMENTAL SERVICES

**I**n many organizations the management of utility costs has only recently become a significant priority. Considering that energy and telecommunications costs can make up as much as 25 percent of an organization's overall operating budget – utility cost reductions, even the most modest ones, can significantly improve profitability. As energy costs continue to rise, The EI Group, Inc. (EI) is committed to managing those expenses and their associated environmental impacts.

EI's approach to supporting organizations as they look to manage and control energy costs are both easy to implement and scalable. Our professionals offer three levels of assessments to meet your needs (see back).



For more information regarding an energy audit from The EI Group, please contact us today!

**800.717.3472**  
**[www.ei1.com](http://www.ei1.com)**





# ENERGY

Assessment Capabilities

The EI Group, Inc. (EI) was founded in 1988 as an environmental, health and safety consulting firm dedicated to providing quality, cost-effective consulting, training and engineering services to clients across the globe.

EI offers the following tiers of onsite energy assessments.

### Level 1 “Walk-through” Audit

A Level 1 audit consists of a facility tour to visually inspect systems and equipment. The walkthrough allows our engineers to identify major energy consumption centers and areas of obvious energy waste. The investigation will include indoor and outdoor lighting, heating, cooling, ventilation, plug loads (computers, etc.), and other ancillary systems such as air compressors and elevators. Data may be gathered from direct observation, from interviews with staff and from Building Automation System screens. Spot measurements may be made (for example light levels and HVAC temperatures) may be taken, but no data logging is performed.

### Level 2 “Survey & Analysis” Audit

A Level 2 audit includes all aspects of a Level 1 audit plus a more detailed building survey and data logging. A more comprehensive review and analysis of equipment, systems, operational characteristics and onsite measurements and testing is included. This audit also includes an itemized listing of potential capital-intensive improvements above and beyond the low-cost and no-cost recommendations included in a Level 1 audit. A more precise measurement of potential costs and savings is provided along with this type assessment. Utility bills are also reviewed for potential areas of savings. A financial analysis (estimated annual savings, implementation cost, and Simple Payback) is performed for each area of savings identified.

### Level 3 “Investment Grade” Audit

Computer simulation software is used to predict building operations and maintenance performance in order to create a baseline with which to compare and measure the effects of proposed and implemented changes. Along with the steps included in Level 1 and 2 audits, a Level 3 audit includes more detailed field data gathering and a complex engineering analysis.