Benefits
Our role as an energy audit provider is to reduce energy costs and improve system performance:
- Identify energy conservation measures (ECMs)
- Reduce energy use, carbon footprint, and greenhouse gas emissions
- Lower energy costs
- Improve equipment efficiency and operation, occupant comfort, and indoor air quality
- Lower maintenance and repair costs
- Prioritize energy projects based on life cycle cost analyses

Comprehensive Solution
Our comprehensive energy audit solution can include the following services:
- ASHRAE Level I, II, and III energy audits
- Energy baseline development
- Utility bill analysis
- Energy modeling
- Measurement and verification
- Design reviews
- Maintenance staff energy management training
- Life cycle economic analysis
- Energy infrastructure master planning
- Turnkey implementation of identified ECMs

Common Measures
Our energy audit process is based on a thorough evaluation of the facility:
- Preliminary walk-through—develops a laundry list of potential ECMs
- Energy benchmarking—normalize and compare facility energy use
- Utility rate analysis—uncovers opportunities to improve utility rates
- Energy disaggregation—breaks down energy use by type, equipment, and time
- Building Automation System (BAS) trending—provides data on the operational characteristics of HVAC systems
- Building modeling—helps measure and monitor the performance of energy consuming equipment
- ECM analysis—determines economic and technical feasibility of ECMs
Experience improved performance of new and existing building systems

Energy Savings
We provide energy audits, as well as design, analysis, retro-commissioning, and upgrade implementation services for all major energy consuming equipment.

We approach each project with an emphasis on the life cycle performance of a building and can deliver the full spectrum of planning, repairing, renewing, and sustaining new and existing systems. In addition to designing, installing, and commissioning new buildings, we investigate, analyze, troubleshoot, and commission existing facilities to create comfortable and more energy efficient buildings.

These capabilities combined with a team possessing more than 20 years of new and existing building commissioning experience, enable us to evaluate, guide, and direct our clients’ decision-making process to enable optimal solutions.

Systems and Equipment Addressed by Energy Audit:
- Lighting—indoor and outdoor, LED retrofits, fluorescent/HID upgrades
- Ventilation and indoor air quality issues—load studies, leaks and energy loss analysis, and optimization
- Control and building automation—all BAS, controls systems, and system integration
- Cooling, heating, and central plant—boilers, chillers, thermal storage, steam traps, and distribution systems
- Renewables and distributed generation—solar, geothermal, cogeneration, and generators
- Data centers—air flow and energy use

Representative Clients
- Colleges and universities
- K-12 schools
- Infrastructure
- Municipal
- Commercial
- Federal government
- Industrial
- Healthcare
- Data centers