

# Energy Evaluations - Audits

## Comprehensive Approach

A high-quality energy audit is the first, critical step in curbing energy use and reducing the carbon footprint of a building or any existing building. CEES-Advisors conducts comprehensive energy audits that guide our clients in the proper course of action by recommending no-cost, low-cost or capital improvement projects to reduce energy consumption and improve comfort and performance.

Our energy audits begin by assessing owner needs, facility operation, and the condition of existing equipment. We then evaluate the site's energy-saving opportunities and provide an Audit Report including a list of recommendations with detailed descriptions.

## Recommendations

Our staff's collective expertise allows us to tailor recommended improvements to each facility. Our clients receive accurate savings and cost estimates which meet the needs of decision-makers, minimize risk, and maximize any available utility incentives. Typical audit reports include:

- Analysis of historical energy use and costs
- Benchmarking against similar facilities
- Recommended Energy Efficiency Measures (EEMs)
- Estimated project costs
- Estimated energy and cost savings
- Economic analysis

## Breadth and Depth of Experience

Our energy professionals have hands-on experience with successful approaches to energy efficiency and sustainability projects resulting in carbon reduction, creative demand response and load management strategies, and cost-effective, self-generation options. CEES-Advisors can then help bring these audit recommendations be implemented in a successful manner. Following the completion of audits, we often work with customers to install and commission these projects.

## Range of Audit Services

CEES-Advisors delivers a wide range of energy audit reports that vary in depth and cost. Though we can tailor our approach to your specific needs, many energy audits fall within one of the following scope:

- ASHRAE Level I - Walk-through Analysis
- ASHRAE Level II - Energy Survey and Engineering Analysis
- ASHRAE Level III - Detailed Analysis of Capital Projects
- Targeted Energy Audits (targeting specific systems, e.g. chilled water plants, etc.)

# Energy Evaluations – Audits, *continued*

## Variety of Environments & Industries Covered

- Commercial offices
- College & University Campuses
  - Government Facilities
- High-rise commercial buildings
  - Data centers
  - Food processors
  - Grocery stores
  - High-tech centers
- Hospital and medical facilities
  - Laboratories
  - Manufacturing facilities
- Refrigerated warehouses
  - Schools
- Small and medium commercial buildings
  - Telecom switching centers
  - Wastewater treatment