

ONSITE ASSESSMENTS

Clients looking to improve efficiency, reduce energy and water use, and ensure compliance with various city and or state mandates can leverage onsite assessments to achieve these goals and gain critical insights for strategic decision making.

- Identify the root cause for inefficiencies, including assessment of building envelope, historic utility use, equipment and operating procedures
- Gain strategic insights into your facilities to guide your energy efficiency investments
- Ensure compliance with government regulations

Onsite assessments diagnose problems to tackle solutions for improved energy and water use, effectively halting reactive cycles of expensive, short-term “fixes.” These assessments are conducted by an Ecova engineer or other experienced facility professional and will identify measures that can and should be taken to reduce energy and water use in a facility. Beyond the cost benefit, energy and water efficiency initiatives can also improve occupant comfort and resolve nagging performance problems. There are two common types of assessments Ecova typically performs:

LEVEL 1 ONSITE ASSESSMENTS (COMPLIES WITH LEVEL 1 ASHRAE AUDIT)



Comply with Level 1 ASHRAE Audit requirements and receive a summary report of potential energy cost savings opportunities, including potential equipment upgrades or replacement capital projects. The final report includes:

- Facility profile
- Existing energy utilization systems
- Trends of historical energy use
- Benchmarking with similar facilities (when available)
- List of identified energy efficiency measures

A water assessment can be included, but is not a standard part of an ASHRAE Level 1 audit.

The opportunity list is based on visual inspection of facility equipment and conditions, as well as information obtained from site staff (does not include review of operational and maintenance practices). Level 1 assessments are good for high-level scoping to identify items for additional evaluation.

AVERAGE SAVINGS OPPORTUNITIES OF OVER 20% OF ANNUAL UTILITY SPEND IS COMMON WITH ONSITE ASSESSMENTS, WITH OVER 50% SAVINGS IDENTIFIED AT SOME SITES.

AUDITS ARE REQUIRED IN CERTAIN PARTS OF THE COUNTRY, INCLUDING SAN FRANCISCO AND NEW YORK CITY.



ARE YOU LEAVING MONEY ON THE TABLE?

Utilities across the country have billions of dollars in incentives available in support of eligible energy efficiency investments. Ecova’s team can partner with you to alleviate the administrative burden associated with these valuable incentives.

LEVEL 2 ASSESSMENT (COMPLIES WITH LEVEL 2 ASHRAE AUDIT)



A Level 2 Assessment provides a greater level of detail than the Level 1 Assessment and complies with the Level 2 ASHRAE Audit requirements. This level of assessment includes a more granular site inspection and review of operation and maintenance practices to identify, quantify, and describe energy cost saving measures. These are good for project prioritization and budget planning purposes.

Similar to the Level 1 Assessment, a Level 2 Assessment includes documentation of the condition of equipment and operating practices identified by the Energy Engineer during the tour and information obtained from site staff. The final report includes many of the same pieces provided in a Level 1 assessment such as:

- Facility profile
- Existing energy utilization systems
- Trends of historical energy use
- Benchmarking with similar facilities (when available)
- List of identified energy conservation measures including estimated costs and savings

A water assessment can be included, but is not a standard part of an ASHRAE Level 1 or 2 audit.

THE AVERAGE PAYBACK FOR MOST IDENTIFIED PROJECTS IS 2.3 YEARS, WITH MANY PROJECTS HAVING AN ROI OF LESS THAN ONE YEAR ONCE UTILITY INCENTIVES ARE INCLUDED.

Additionally, the Level 2 Assessment provides high-level estimates of project costs, annual savings, potential utility rebates, and resulting project payback and return on investments for most identified energy savings opportunities.

The Level 2 audit will also review current operations and maintenance practices to identify and quantify the potential for cost savings by implementing changes in procedures or training that can achieve immediate results with little capital investment.

Many of the inefficiencies identified during these onsite assessments often continue for years if not identified and corrected. In order to maximize results and improve return on investment, it is important to take action on the identified items, track and measure performance, and take advantage of utility rebates and incentives where available.

CONTACT US TODAY

Let us demonstrate what we can do for you.

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SEE MORE

Gain broad visibility into the overall energy performance of facilities across your entire portfolio, so you can prioritize and act on opportunities for improvement.



SAVE MORE

Reduce expenses across your portfolio by identifying outliers and exceptions and then implementing data-backed repair actions and improvement programs.



SUSTAIN MORE

Ensure continual progress toward both energy reduction goals and corporate sustainability goals with performance reporting, which allows you to see and maintain persistent savings.

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