

ASHRAE LEVEL II ENERGY ASSESSMENTS



Since our founding in 1995, ERS has been conducting independent energy assessments as well as pre- and post-installation measurement and verification (M&V) work to evaluate installed measure savings. In total, our engineers have been on thousands of sites across the country. This rare combination of auditing and independent pre- and post-retrofit verification experience has provided us insight on industry best practices, and our engineers have learned how to develop practical, actionable reports with savings and cost estimates that are innovative yet reasonable and practical for our clients. In particular, our experiences help provide our clients with a quality energy assessment are listed below.

- **Long history of working with reputable energy efficiency programs.** ERS has been involved in the energy efficiency industry for over three decades and much of our experience comes from providing energy assessments funded, co-funded, or otherwise associated with energy efficiency program administrators such as Eversource Energy, National Grid, NYSERDA, NV Energy, Efficiency Maine, and Focus on Energy to name a few.
- **Independent energy assessment experience.** ERS offers comprehensive or focused energy efficiency consulting services to its clients with the objective of identifying and assessing opportunities, strategies for implementation, project cost-effectiveness, and energy use impacts. Our studies address both existing and new construction projects and all details of commercial and industrial buildings. We are experienced operating in the independent consultant role to provide an unbiased assessment of the buildings that need to meet city and county requirements.
- **Understanding of regulatory and compliance processes.** ERS staff members have been involved in developing energy efficiency programs, implementing energy efficiency programs and working as approved contractors within these frameworks throughout the country. ERS staff take pride in staying current with the latest energy efficient technologies and practices along with new rules and regulations that are coming up due to climate change.
- **Pool of Staff with PE and CEM Certifications.** ERS has a strong pool of engineers that have the Association of Energy Engineers (AEE's) CEM certification and or have professional engineering (PE) licenses that will help meet the requirements during sign off.
- **Depth and range of energy-savings approaches.** ERS has extensive experience modeling energy efficiency measures using a wide variety of tools. We have dozens of customized spreadsheets that we use to help quantify energy savings. Our team members are experts in commercially available tools such as eQUEST and Trane's TRACE software. In short, ERS has broad energy savings analysis experience, and our engineers are skilled at applying the right tool for the job.
- **Extensive retrocommissioning background.** Our proposed team members have industry-recognized credentials and the background to perform retrocommissioning (RCx) studies. As a part of these efforts, we will identify deficiencies in the operations of the existing equipment and develop a list of solutions to bring the building systems back to operational spec and improve occupant comfort.
- **Technical support for distributed energy resources.** We have developed an in-house tool to analyze the impacts of installing a variety of distributed energy resources (DERs) at our clients' facilities, such as combined heat and power (CHP), solar PV, and behind-the-meter battery storage, aimed at identifying cost effective strategies to reducing the site greenhouse gas emissions.
- **Energy master planning.** For larger facilities, ERS regularly performs master planning studies. For these, we conduct feasibility studies for all buildings, processes, and end-use equipment and develop comprehensive plans to guide facility management on a phased approach for progressively improving overall energy operation.