



PROJECT OVERVIEW

RIFE conducted an ASHRAE Level 2 Energy Audit at the Wisconsin House apartment complex. The audit aimed to assess energy consumption patterns, identify potential energy-saving measures, and reduce greenhouse gas emissions, in alignment with the District of Columbia Sustainable Energy Utility (DCSEU) program.

BACKGROUND & METHODOLOGY

The Wisconsin House, a nine-story apartment complex, required an in-depth analysis of energy consumption and potential efficiency improvements. The audit involved site investigation, utility consumption data analysis, and assessment of existing systems. The team from RIFE International LLC conducted on-site data gathering, interviews with operating personnel, and detailed analysis to identify energy-saving opportunities.

CASE STUDY

Wisconsin House Apartment Complex ASHRAE Level 2 Energy Audit

RIFE International LLC successfully completed an ASHRAE Level 2 Energy Audit at the Wisconsin House apartment complex. The audit identified seven Energy Conservation Measures (ECMs) aimed at reducing energy consumption and minimizing greenhouse gas emissions. The analysis included detailed assessments of energy savings, implementation costs, and estimated payback periods for each ECM. Despite challenges such as incomplete utility data, the audit team provided comprehensive recommendations aligned with the DCSEU program's objectives.



Key Findings and Recommendations

- Identified seven ECMs, including lighting upgrades, installation of low-flow sanitary fittings, and rooftop solar PV.
- Developed detailed analyses of energy savings, implementation costs, and estimated payback periods for each ECM.
- Recommended additional studies on re-lamping and water use reduction to further optimize energy efficiency.

Conclusion

The ASHRAE Level 2 Energy Audit at the Wisconsin House apartment complex marks a significant step toward enhancing energy efficiency and reducing environmental impact. By providing detailed analyses and actionable recommendations, RIFE International LLC has demonstrated its capability to meet project requirements and support the goals of the DCSEU program.