

EMERGING TECHNOLOGIES AND ACCELERATED COMMERCIALIZATION PROGRAM (ETAC)

Project Brief: Retroficiency's Software Gathers Building Efficiency Intelligence

Background

Retroficiency has developed software-based screening tools that can remotely analyze building energy use - with just whole building utility meter data and an address - and provide a breakdown by system (e.g., lighting, HVAC, etc.) of the building's energy end uses. The process determines potential operational and retrofit improvements that can be implemented to reduce energy costs and improve efficiency.

Project Description

In this project, Retroficiency will demonstrate how it can provide fast and inexpensive virtual audits for a portfolio of buildings to identify the buildings with high energy savings potential, reliably identify areas for investigation and supplement on-site audits or walkthroughs. The project will compare the virtual audit results to those of traditional Level I on-site energy audits completed at 14 buildings in New York.

Benefits

This virtual audit approach is expected to provide a means to call out problem buildings within a portfolio as well as identify efficiency-upgrade opportunities in specific buildings – all at much less cost and in hours rather than days for traditional audit methods. It is expected that this approach will focus resources on buildings with greater savings opportunities, and more actively engage key stakeholders with the efficiency process.

Investment

NYSERDA	\$12,600
Participant Team	\$8,400
Total	\$21,000

Lead Participant

Retroficiency, Inc.
Boston, MA

Other Team Members

Jones Lang LaSalle

Technical Consultant

CDH Energy Corp.

NYSERDA Contact Information

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Contract Details

Start Date: January 2014
Project Status: Underway

Last Update

February 2015

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The ETAC program supports multi-site demonstrations, provides in-depth performance validation, and shares results through dedicated outreach.

