

Case Study: Building Energy and Water Audit

Lakeshore Blvd, Toronto

Project Overview

Multi-residential building with 112 units

Enhanced ASHRAE Level 2 audit:

- Analysis of historical electricity, gas and water consumption
- Assessment of boiler plant efficiency and performance
- Complete catalogue of electricity uses including fans, pumps, lighting and elevators
- Measurement of in-suite water consumption

Opportunities identified:

Six conservation measures identified. Estimated cost of \$64,000 and expected savings of \$41,000 per year, providing 1.5 year payback.

1. Heating Control, Mixing Valves & Ventilation
2. Variable Speed Drives for Ventilation Control
3. Parking Garage Ceiling Insulation
4. In-Suite Water Recommissioning
5. Efficient Lighting and Control

