



SHOWCASE PROJECT: ARBY'S: ENERGY EFFICIENCY IMPROVEMENTS

SOLUTION OVERVIEW

1751 Howell Mill Road is a 3,200 square foot restaurant building owned by Arby's Restaurant Group, Inc. The restaurant is located in Atlanta, Georgia and is a flagship location demonstrating Arby's newest design and energy saving measures. The restaurant was remodeled in April 2015 and is now the most energy efficient Arby's location in the U.S.

Arby's Restaurant Group, Inc. is committed to the management of energy costs and usage within Arby's restaurants. Managing energy as a controllable expense gives Arby's a competitive advantage, improves the company's bottom line, and helps the company to be a responsible corporate citizen. Arby's Efficiency Matters campaign, launched by the brand in 2012, is a management platform that helps Arby's to improve efficiencies in restaurants and reduce energy consumption and associated environmental and community impacts. Through this program, Arby's has developed a Strategic Energy Management (SEM) program that is integrated into business strategy and operations and has created a company culture of responsible energy management and staff awareness. Arby's has now improved energy performance across 92% of its more than 900 restaurants.

SECTOR TYPE

Commercial

LOCATION

Atlanta, Georgia

PROJECT SIZE

3,200 Square Feet

FINANCIAL OVERVIEW

Project Cost: \$80,000

SOLUTIONS

The Howell Mill Road location has undergone a wide range of energy efficiency improvements. These include interior and exterior LED lighting retrofits, high efficiency HVAC retrofits, refrigeration and cooking equipment upgrades, an asset management system, and behavior based initiatives.

Measures implemented at the restaurant (and associated annual cost savings) include:

- Indoor T8/ LED lighting retrofit - \$2,450 annual savings

- Low-oil fryers - \$2,200 annual savings
- Behavior based initiatives - \$769 annual savings
- On-demand (tank-less) hot water heaters - \$189 annual savings
- RTU controls - \$500 (claimed) annual savings *
- Defrost controls - \$960 (claimed) annual savings *
- Thermal strip curtains on walk-in-box doors - \$140 annual savings
- Membrane roof - \$350 annual savings
- Outdoor LED lighting - \$2,400 annual savings
- High-efficiency HVAC retrofit - \$1,200 annual savings (per RTU)
- Electronically commutated motors (WIB evaporators) retrofit - \$360 annual savings
- Low-flow spray valves - \$62 annual savings
- Faucet aerators - \$415 annual savings
- Cook-n-hold Beef cooking platform - \$1,750 annual savings
- Exterior menuboard LED lighting retrofit - \$130 annual savings
- High-efficiency walk-in-box condensing units - \$850 annual savings
- Asset Management System retrofit - \$1,670 annual savings

() Installed at this location but savings not yet validated*

OTHER BENEFITS

In addition to serving as a model for energy efficiency, the restaurant also serves as a digital model restaurant, complete with digital menu boards and enhanced point-of-sale technology with new payment options.

Annual Energy Use

Baseline(2011)



Actual()



Energy Savings

38%

Annual Energy Cost

Baseline(2011)



Actual()



Cost Savings

\$10,000



