

Retrofit Case Study

Cambridge Space Heaters vs. Steam Boiler

Housewares Warehouse



Building Specifications

- 825,000 ft²
- Over 50 year old building
- Located in Edison, NJ

“Overall savings produced a 6 month payback”

Before – Steam Boiler

Performance

- Uneven temperatures
- Negative air pressure problems
- High operating costs

Operating Costs

Based on:

527,000 therms for 2003-04 heating season
Normalized to 30 year averages

\$0.64/ft² Gas cost @ \$1.00/therm



After - Cambridge Space Heaters

Performance

- More even temperatures

Operating Costs

Based on:

202,000 therms for 2004-05 heating season
Normalized to 30 year averages

\$0.24/ft² Gas cost @ \$1.00/therm



Summary

The Cambridge system used **63% less** gas.

The Cambridge system saved approximately **\$330,000/year** in gas cost operating at \$0.24/ft² vs. \$0.64/ft².



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