

Retrofit Case Study

Cambridge HTHV vs.
Steam Boiler

Corrugated Box Plant



Building Specifications

- 100,000 ft²
- Over 40 year old building
- Located in Buffalo, NY

Comments

*“Energy savings has exceeded our expectations.
Much better overall temperatures”*
- Operations Manager

Before – Steam Boiler

Performance

- Uneven temperatures
- Cold dock areas
- High maintenance costs

Operating Costs

Based on 100,210 therms for 2002-03 heating season

\$ 0.95/ft² Gas cost @ \$1.00/therm



After - Cambridge HTHV Space Heaters

Performance

- More even temperatures
- Lower operating cost

Operating Costs

Based on 32,900 therms for 2003-04 heating season

\$0.33/ft² Gas cost @ \$1.00/therm



Summary

The Cambridge system used **65% less** gas and saved approximately
\$62,000/year operating at \$0.33/ft² vs. \$0.95/ft².