

RETROFIT CASE STUDY

Cambridge Space Heaters vs. Direct Fired Recirculation
Parts Distribution Facility - NY

Building Specifications

- 301,000 ft²
- Over 30 year old building
- Located in Tappan, NY



BEFORE

Indirect Fired Recirculation

Performance

- Uneven temperatures
- Cold dock areas
- High maintenance costs
- High Operating costs

Operating Costs

Based on:
209,935 therms for 2003-04
calendar year @60°
Normalized to 30 year averages

\$0.70/ft² Total cost @ \$1.00/therm

AFTER

Cambridge Space Heaters

Performance

- More even temperatures
- Provides summer ventilation
- Lower Operating costs
- Reduced maintenance cost

Operating Costs

Based on:
159,841 therms for 2008 calendar year
@65°
Normalized to 30 year averages

\$0.53/ft² Total cost @ \$1.00/therm

SUMMARY

The Cambridge system used **24% less** natural gas. The Cambridge system saved approximately **\$50,000/year** operating at \$0.53/ft² vs. \$0.70/ft².

NOTE: If owner would have operated the Cambridge System @ 60°, they would of saved \$88,000/year.

