

Retrofit Case Study

Cambridge Space Heaters vs. Steam Boiler

Corrugating Plant



Existing System

- 250 hp boiler

Building Specifications

- 334,380 sq. ft.
- 50yr old bldg.
- 10,400sq ft of single pane glass

Summary

The Cambridge system used **57% less** gas while maintaining a 5° higher indoor temperature.
The Cambridge system saved approximately **\$114,000/year** in gas cost operating at \$0.26/ft² vs. \$0.60/ft².

Before – Steam Boiler

Performance

- High energy use for plant space heat
- Cold Drafts
- Uneven Space Temperatures
- Negative building pressure
- High Maintenance cost



Operating Costs

Based on:

198,481 therms for 2000 heating season
Normalized to 30 year averages

\$0.60/ft² Gas cost @ \$1.00/ therm

After - Cambridge Space Heaters

Performance

- Reduced Natural gas cost
- Reduced negative building pressure
- Improved temperature control
- Low maintenance cost



Operating Costs

Based on:

86,719 therms for 2006 heating season
Normalized to 30 year averages

\$0.26/ft² Gas cost @ \$1.00/ therm



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