

Retrofit Case Study

Cambridge HTHV vs. Indirect Fired Air Turnover Paper Distributor



Building Specifications

- 188,325 ft²
- Over 30 year old building
- Located in Twinsburg, OH

Before – Indirect Fired Air Turnover Heaters

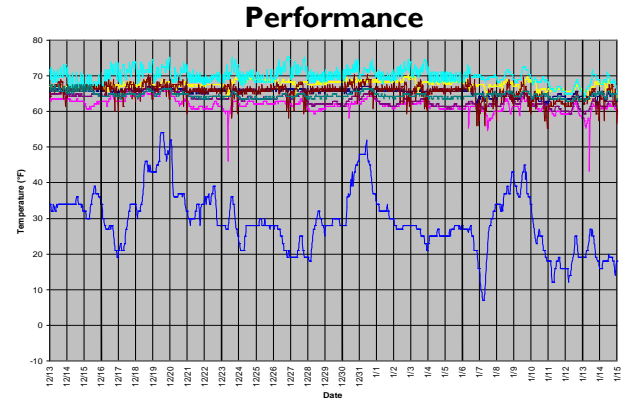
Operating Costs

Based on 7,543 Heating Degree Days

\$ 0.57/ft² Gas cost @ \$1.00/therm

\$0.10/ft² Electric cost @ \$0.06/kWh

\$0.67/ft² Total cost



After - Cambridge HTHV Space Heaters

Performance

- More even temperatures
- Lower operating cost
- Warmer dock areas
- Lower maintenance cost

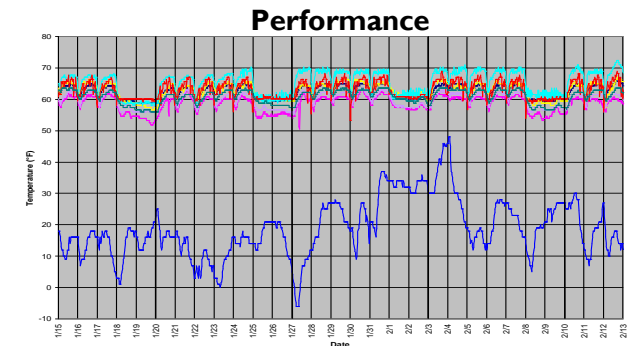
Operating Costs

Based on 7,543 Heating Degree Days

\$ 0.35/ft² Gas cost @ \$1.00/therm

\$0.02/ft² Electric cost @ \$0.06/kWh

\$0.37/ft² Total cost



Summary

The Cambridge HTHV system used **45% less** total energy with less temperature variation and saved **\$56,000/year** operating at \$0.37/ft² vs. \$0.67/ft².