

Retrofit Case Study

Cambridge HTHV vs. Direct Fired Recirculation Damper Manufacturer



Building Specifications

- 163,555 ft²
- Building height - 24'
- Metal w/ 1" insulation in walls
- Metal w/ 3" insulation in roof
- Over 40 year old building
- Located in Fairmont, WV

Comments

"The Cambridge heaters provided more even temperatures, warmer dock areas and lower operating and maintenance costs"

- Plant Manager

Before – Direct Fired Recirculation

Operating Costs

\$0.96/ft² Gas cost @ \$1.00/therm

\$0.16/ft² Electric cost @ \$0.08/kWh

\$1.12/ft² Total cost



After - Cambridge HTHV Space Heaters

Operating Costs

\$0.62/ft² Gas cost @ \$1.00/therm

\$0.03/ft² Electric cost @ \$0.08/kWh

\$0.65/ft² Total cost



Summary

The Cambridge system used **42% less** total energy and saved approximately **\$77,000/year** operating at \$0.65/ft² vs. \$1.12/ft².