

RETROFIT CASE STUDY

Cambridge Space Heaters vs. Make-up Air
Distribution Center - VA

Building Specifications

- 700,000 ft²
- 17 year old building
- Located in Shenandoah Valley, VA

BEFORE

Make-up Air

Performance

- Uneven temperatures
- Poor system control
- High operating costs
- Deteriorating system

Operating Costs

Based on:
159,814 therms for 2007-08
heating season
Normalized to 30 yr avg. @ 59°
avg. temp

\$0.23/ft² Total cost @ \$1.00/therm

AFTER

Cambridge Space Heaters

Performance

- More even temperatures
- Lower operating Cost
- Better system control
- Qualified for EAct tax deduction

Operating Costs

Based on:
116,235 therms for 2010-11 heating
season
Normalized to 30 yr avg. @ 61° avg.
temp

\$0.17/ft² Total cost @ \$1.00/therm



SUMMARY

The Cambridge system used **27% less** gas and provided a higher average temperature.
The Cambridge system saved approximately **\$42,000/year** in gas cost operating at \$0.17/ft²
vs. \$0.23/ft².

The savings would have been **35%** if the same building temperature had been maintained.

