

Comparative Case Study

Cambridge Space Heaters vs. Unit Heaters

Southwest Missouri Cambridge Space Heaters



Operating Costs

Based on 2650 Heating Degree Days @ 55°

\$0.10/ft2 Gas cost @ \$1.00/therm

\$0.01/ft2 Electric cost @ \$0.08/Kwh

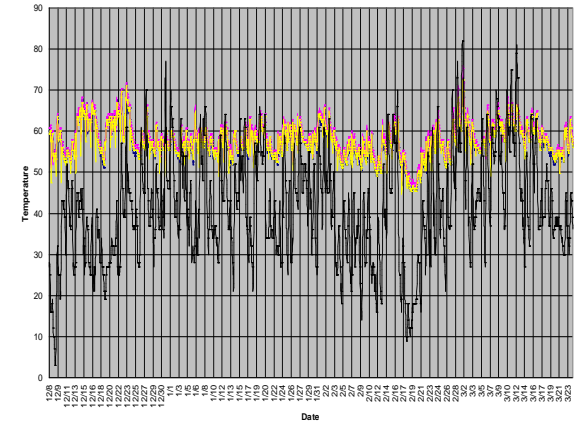
\$0.11/ft2 Total cost

Building Specifications

- R-19 Roof / R-13 Walls
- 65,540 ft2 x 27' high

Heating System

- (2) Cambridge Space Heaters
- Roof top mounting
- 1,600 MBH total
- 7,000 CFM total
- 6 HP total – intermittent



Unit Heaters



Operating Costs

Based on 2789 Heating Degree Days @ 55°

\$0.18/ft2 Gas cost @ \$1.00/therm

\$0.02/ft2 Electric cost @ \$0.08/Kwh

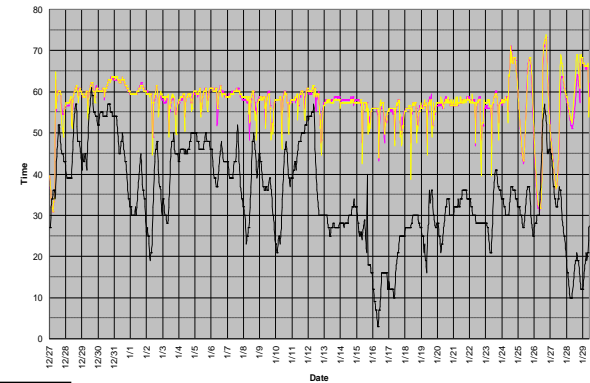
\$0.20/ft2 Total cost

Building Specifications

- R-22 Roof / R-15 Walls
- 18,240 ft2 x 25' high

Heating System

- (8) Unit Heaters
- Ceiling mounting
- 2,000 MBH total
- No outside air
- 2.4HP total – intermittent



Summary

The Cambridge system used **45% less** total energy.

If the 18,240 ft² facility with unit heaters had installed a Cambridge system they could have saved approximately **\$2,000/year** operating at \$0.11/ft² vs. \$0.20/ft².



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