

# Cambridge Case Study

## Distribution Center

Milwaukee, WI



### BUILDING DETAILS

**Size:** 120,400 sq.ft. x 34 ft. High  
**Construction:** R-19 Roof  
R-5 Walls

### OPERATING CONDITIONS

**Operating Hours:** 24 hrs/day 5 days/wk  
**Design Temperature:** 55° @ -10°  
**Thermostat Setting:** 65° occupied / 60° setback  
**Average Temperature:** 65°  
**Heating System:** Cambridge Space Heaters  
3 @ 1163 MBH  
Under roof mounting

### ACTUAL FUEL USE

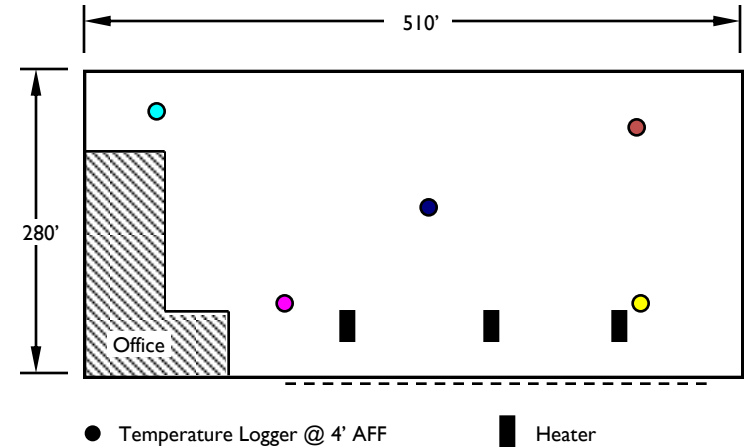
for the 1997-98 heating season (6,392 Heating Degree Days @ 65°)

**5.3 Btu / HDD / sq. ft.**

### CALCULATED OPERATING COST

for normal heating season (7,332 Heating Degree Days @ 65°)

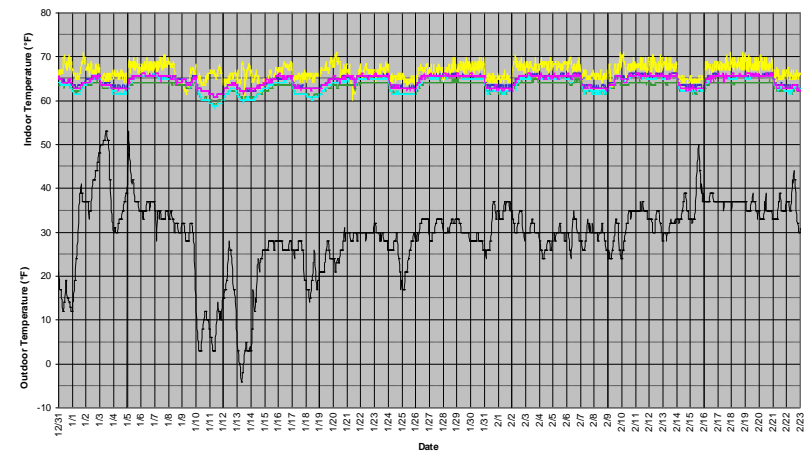
**\$0.19 / sq.ft.** (Gas only @ \$0.50/therm)



### DATALOGGER GRAPH

**Logging period:** 12/31/97 - 2/23/98

**Logging interval:** 30 minutes



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