

Cambridge Case Study

Distribution Center

Janesville, WI



BUILDING DETAILS

Size: 110,100 sq.ft. x 28 ft. High
Construction: R-20 Roof
R-14 Walls

OPERATING CONDITIONS

Operating Hours: 10 hrs/day 5 days/wk
Design Temperature: 55° @ -10°
Thermostat Settings: 60° occupied / 55° setback
Average Temperature: 60°
Heating System: Cambridge Space Heaters
2 @ 900 MBH
Thru wall mounting

NOTES & OBSERVATIONS

- Thermostat settings changed on 12/8/97 and 12/14/97
- One heater not operating until 12/12/97

ACTUAL FUEL USE

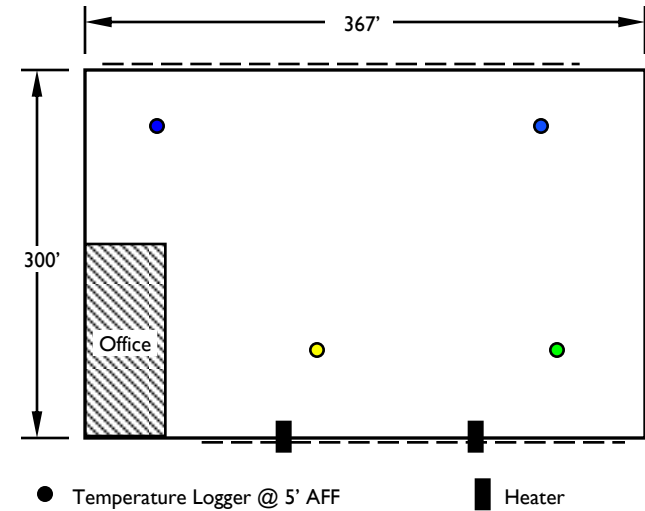
for 1997-98 heating season (4,931 Heating Degree Days @ 60°)

1.6 Btu / HDD / sq.ft.

CALCULATED OPERATING COST

for normal heating season (6,532 Heating Degree Days @ 65°)

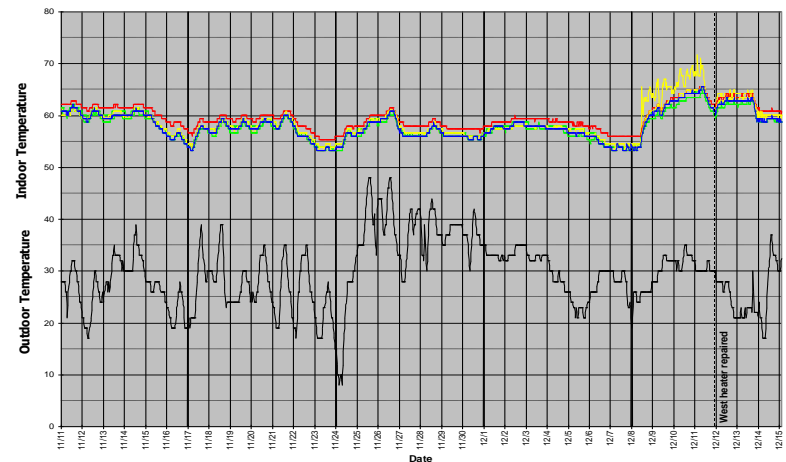
\$0.05 / sq.ft. (Gas only @ \$.50/therm)



DATALOGGER GRAPH

Logging period: 11/11/97 - 12/15/97

Logging interval: 30 minutes



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