



FUEL SAVINGS REPORT

for

MICHIGAN WAREHOUSE FACILITIES

PROJECT HISTORY

A THERMO-CYCLER® Gas Fired Heating System consisting of three (3) Thermo-Cycler heating units was chosen as the preferred heating system for the existing facility and new addition for Warehouse Facility #1. After experiencing the comfort and energy efficiency of the Thermo-Cycler system, two years later, a second facility was converted from infrared heating to a Thermo-Cycler System consisting of three (3) GTC-400 Thermo-Cyclers. Four years later, a Thermo-Cycler System was once again selected as the preferred heating system for a new 30,000 sq ft. addition to Warehouse Facility #1

BUILDING DATA

WAREHOUSE FACILITY #1

5.5¢ per sq. ft.

TOTAL AREA: 69,800 sq. Ft. (400' x 200')
(INC APPRX 10,000 SF OFFICE AREA)

AVERAGE HEIGHT: 22 FT.

OVERHEAD DOORS: 7 OVERHEAD DOORS

WALL CONSTRUCTION: PRE-ENG W/ 4" INSULATION

ROOF CONSTRUCTION: PRE-ENG W/ 6" INSULATION

BUILDING USAGE: WAREHOUSE & LIGHT MFG

**Warehouse Facility 1
Seasonal Gas Usage & Cost**

Month	Mcf Used	Cost
October - November	75.8	\$320.88
November-December	190.1	\$800.20
December-January	232.6	\$975.55
January-February	185.1	\$754.77
February-March	150.10	\$565.74
March-April	105.1	\$449.51
Annual Total	938.8 Mcf	\$3866.65 (@ \$4.10 per Mcf)

WAREHOUSE FACILITY #2

7.5¢ per sq. ft.

TOTAL AREA: 52,000 sq. Ft. (520' x 100')
(INC APPRX 600 SF OFFICE AREA)

AVERAGE HEIGHT: 16 FT.

OVERHEAD DOORS: 8 OVERHEAD DOORS

WALL CONSTRUCTION: PRE-ENG W/ 4" INSULATION

ROOF CONSTRUCTION: PRE-ENG W/ 6" INSULATION

BUILDING USAGE: WAREHOUSE & LIGHT MFG

**Warehouse Facility 2
Seasonal Gas Usage & Cost**

Month	Mcf Used	Cost
October - November	138.1	\$564.43
November-December	177.1	\$ 737.27
December-January	238.0	\$ 985.55
January-February	182.0	\$ 733.16
February-March	0175.8	\$ 651.66
March-April	53.1	\$ 232.05
Annual Total	964.1 Mcf	\$3903.96 (@ \$4.10 per Mcf)

BOTTOM LINE

Energy efficient heat recovery and air distribution by the Thermo-Cycler Heating Systems allow this progressive company located in Southern Michigan to comfortably heat over 110,000 sq. ft. of warehouse and light manufacturing space for an average seasonal heating cost of less than 6.4 cents per square foot based on a natural gas cost of \$4.¹⁰ per Mcf.

