



FUEL SAVINGS REPORT

for
MANUFACTURING FACILITY
 LOGANSPORT, INDIANA

PROJECT HISTORY

Based on recommendations prepared by Thermo-Cycler Industries, (12) Thermo-Cyclers®, (3) Energy-Jet® makeup air systems, (15) unit heaters and (1) steam boiler for the 75,000 gal water tower replaced the existing steam boiler plant and direct fired makeup air systems in a large, old manufacturing facility for this major manufacturer of electrical control devices.

BUILDING DATA

- ◆ TOTAL AREA: 185,000 SQ. FT. (APPX. 135,000 SF HEATED BY THERMO-CYCLER, 20,000 SF BY UNIT HTRS)
- ◆ AVERAGE HEIGHT: 16 FT.
- ◆ OVERHEAD DOORS: 7 OVERHEAD DOORS
- ◆ WALL CONSTRUCTION: 8" AND 12" BRICK - NO INSULATION
- ◆ ROOF CONSTRUCTION: APP. 75% WOOD DECK WITH 4" INSULATION; 25% UNINSULATED GYPSUM PANELS
- ◆ GLASS AREAS: APP. 14,000 SF SINGLE GLASS IN ROOF MONITORS AND WALLS
- ◆ DEGREE DAYS: SEASON 1 - 6011 DEGREE DAYS; SEASON 2 - 5814 DEGREE DAYS
- ◆ BUILDING USAGE: MANUFACTURING (ELECTRIC CONTROL DEVICES)

Season 1 - Gas Usage & Cost

Steam Boiler & Gas Fired Makeup

Month	Mcf Used	Cost
October	2341	\$ 9,437
November	3430	\$18,692
December	5236	\$26,671
January	5294	\$24,847
February	5625	\$23,631
March	3093	\$13,545
April	1944	\$ 8,691
Annual Total	26,963 Mcf	\$125,514 (@ \$ 4.65 per Mcf)

Season 2 - Gas Usage & Cost

Thermo-Cycler Retrofit

Month	Mcf Used	Cost
October	1112	\$ 4,979
November	2179	\$10,631
December	3460	\$16,782
January	2088	\$10,241
February	1945	\$ 8304
March	1559	\$ 6741
April	1075	\$ 4773
Annual Total	13,427 Mcf	\$62,451 (@ \$4.65 per Mcf)

BOTTOM LINE

In addition to improving employee comfort and reducing maintenance costs, energy saving recommendations by **THERMO-CYCLER®** reduced gas consumption approximately **50%** and saved this manufacturer over **\$63,000** during the first season of operation.

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