

Case Study Report



Project Identification

Customer: OHL – 1100 Whitaker Rd. Facility
Location: Plainfield, Indiana

Design Specifications

Facility Warehouse 352,000' x 40' High
Winter Operation 70° – 0°



Project Challenge:

OHL's facility was being heated by (4) 80/20 Direct Fired Recirculation Makeup Air Units. They were experiencing inconsistent temperatures throughout their facility and needed to correct this because their product has a temperature tolerance of only +/- 1° - 2° of 70°.

Equipment Solution:

Air Energy Systems designed a system to utilize (7) ER-242-800 Rack Units run by a Web Comfort Energy Management System. This equipment led to precise control over the temperature in the facility, which also resulted in a significant reduction in both electrical and gas consumption.



Results of Rack System:

OHL experienced Annual Savings totaling **\$50,590**:

- Electrical – 192,500 kW at \$.10/kW
- Natural Gas – 40,175 therms at \$.80/therm

OHL received verified Vectren Gas Rebate:

- Vectren – Natural Gas– **\$32,140**

