

Case Study Report



Project Identification

Customer: OHL – 1101 Whitaker Rd. Facility
Location: Plainfield, Indiana

Design Specifications

Facility Warehouse 400,000' x 40' High
Winter Operation 70° – 0°

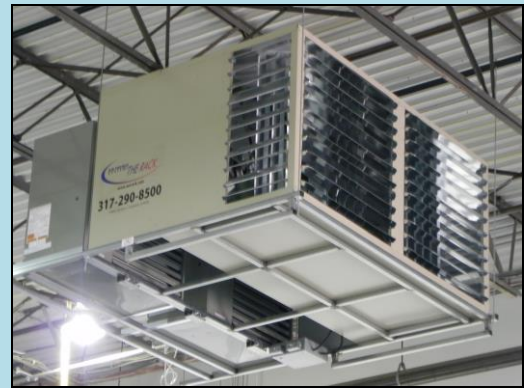


Project Challenge:

OHL's facility was being heated by (4) 80/20 Direct Fired Recirculation Makeup Air Units. They were experiencing inconsistent temperatures throughout the facility and needed to be maintain +/- 1° - 2° of 70°. They had previously used Air Energy Systems Rack Units in their warehouse across the street and loved the way they performed.

Equipment Solution:

Air Energy Systems designed a system to utilize (8) ER-242-800 Rack Units run by Web Comfort Energy Management System. This is the same equipment used in the other facility to sustain precise control over the temperature in the facility, which not only led to a reduction in utility consumption but OHL also received an Energy Rebate Check.



Results of Rack System:

OHL experienced Annual Savings totaling **\$52,220**:

- Electrical – 192,500 kW at \$.10/kW
- Natural Gas – 39,675 therms at \$.80/therm

OHL received verified Vectren Gas Rebate:

- Vectren – Natural Gas– **\$32,100**

