

Case Study Report



Project Identification

Customer: Hachette – (2) Facilities
Location: Lebanon, Indiana

Design Specifications

Facility Warehouse 1,418,000' x 38' High
Winter Operation 70° – 0°



Project Challenge:

Hachette's facilities were being heated by (7) 80/20 Direct Fired Recirculation Makeup Air Units. Hachette was experiencing inconsistent warehouse temperatures and high utility bills. They were also in the process of adding additions to both of their facilities that needed to be heated.

Equipment Solution:

Air Energy Systems designed a system to utilize (36) ER-242-800 Rack Units run by (2) Web Comfort Energy Management Systems. This system took advantage of Hachette's unoccupied hours to lessen their utility consumption. This Energy Management System incorporated with Racks lead to maximum rebates for both facilities.



Results of Rack System:

Hachette experienced Annual Savings totaling **\$108,000**:

- Electrical – 494,500 kW at \$.10/kW
- Natural Gas – 98,460 therms at \$.80/therm

Hachette received verified Vectren Gas Rebate:

- Vectren – Natural Gas– **\$100,000**

