

Case Study Report



Project Identification

Customer: Grane Distribution Services
Location: Lafayette, Indiana

Design Specifications

Facility Warehouse 174,000' x 36' High
Winter Operation 70° – 0°



Project Challenge:

Grane Distribution Services built a brand-new distribution warehouse in Lafayette, IN. Grane wanted their HVAC system to maintain 70° throughout their facility, reduce energy consumption and qualify for a Vectren Rebate.



Equipment Solution:

Air Energy supplied (4) ER-242-800s + (2) 24" x 36" Intake Hoods to meet ASHRAE 62.1 fresh air code. The Racks maintained 70° in the facility and the hoods are incorporated with night setback thermostats to reduce temperature and utility usage while Grane Distribution is unoccupied.



Results of Rack System:

Grane Distribution experienced Annual Savings totaling **\$27,282**:

- Electrical – 58,815 kWh at \$.10/kWh
- Natural Gas – 28,535 therms at \$.75/therm

Carbon Footprint Reduction: 208 tons of CO2 emissions annually

Grane Distribution received verified Vectren Rebate:

- Vectren – Natural Gas: **\$28,535**

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