

Case Study Report



Project Identification

Customer: Commerce Park Bldg. #2
Location: Whitestown, Indiana

Design Specifications

Facility Warehouse 280,800' x 36' High
Winter Operation 70° – 0°



Project Challenge:

Commerce Park Bldg. #2 is a 280,800' speculative distribution warehouse in Whitestown, IN. The building developer wanted this facility to maintain 70°-0° in winter months, able to house 1 or 4 separate tenants and use minimal utilities while the building is unoccupied.

Equipment Solution:

Air Energy provided (4) ER-242-800s + (4) 24" x 36" Intake Hoods to meet ASHRAE 62.1 fresh air code. The Intake Hoods remain closed during the unoccupied operation eliminating the need to heat outside air. By installing The Rack Units + Hoods with occupied/unoccupied operation setting, **Building 2 reduced utility costs by \$.17/sf**



Results of Rack System:

Building #2 experienced Annual Savings totaling **\$44,575**:

- Electrical – 91,490 kWh at \$.10/kWh
- Natural Gas – 47,235 therms at \$.75/therm

Carbon Footprint Reduction: 340 tons of CO2 emissions annually

Commerce Park Developer received verified Vectren Rebate:

- Vectren – Natural Gas: **\$38,000**



4790 West 73rd Street | Indianapolis, Indiana 46268
Phone: 317-290-8500 | www.aesrack.com

Air Energy Systems, Inc.
Collin Maher
cmaher@aesrack.com