

Case Study Report



Project Identification

Customer: Becknell Building #5
Location: Whitestown, Indiana

Design Specifications

Facility Warehouse 100,000' x 36' High
Winter Operation 70° – 0°



Project Challenge:

Becknell Building 5 is a 100,000' speculative distribution warehouse in Whitestown, IN. The building developer requested the facility to maintain 70°-0° in winter months, able to accommodate 1 or 2 tenants, to use minimal utilities while the building is unoccupied.

Equipment Solution:

Air Energy provided (2) ER-242-800s + (2) 24" x 36" Intake Hoods to meet ASHRAE 62.1 Fresh Air Code. The (2) Rack Units heat space to 70 degrees without the need of outside air, **saving the building owner 16,300 therms or \$12,245 during the heating season while the building sits vacant.** When the building is sold and operating the Racks will save \$.20/sqft utility costs.



Results of Rack System:

Building 5 experienced Annual Savings totaling **\$19,965**:

- Electrical – 45,745 kWh at \$.10/kWh
- Natural Gas –20,518 therms at \$.75/therm

Carbon Footprint Reduction: 152 tons of CO2 emissions annually

Becknell Building 5 received verified Vectren Rebate:

- Vectren – Natural Gas: **\$15,155**

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