

# Case Study Report



## Project Identification

Customer: Regal Beloit  
Location: Indianapolis, Indiana

## Design Specifications

Facility Warehouse 376,000' x 36' High  
Winter Operation 65° – 0°



## Project Challenge:

Regal Beloit built a new industrial facility in Indianapolis and wanted a system that would heat during the winter and provide ventilation during the summer. They were looking for equipment that would provide consistent temperatures, proper ventilation and operate with low utility costs.

## Equipment Solution:

Air Energy Systems designed a heating system that consisted of (6) ER-242-800 Rack Units with (2) Intake hoods to meet the Indoor Air Quality regulations. The Racks heat the building to 65° during the winter and in the summer they work with the (6) Exhaust Fans to provide summer ventilation. The system takes advantage of occupied/unoccupied operating hours to save additional utility costs for Regal Beloit.



## Results of Rack System:

Regal Beloit experienced Annual Savings totaling **\$56,055**:

- Electrical – 170,500 kW at \$.10/kW
- Natural Gas – 48,756 therms at \$.80/therm

Regal Beloit received verified Vectren Gas Rebate:

- Vectren – Natural Gas– **\$39,005**

