

Case Study Report



Project Identification

Customer: CAP Group
Location: Bedford, Indiana



Design Specifications

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

Project Challenge:

CAP Group added a 100,000' warehouse space to their existing facility. The new warehouse was built to store their wide array of automotive parts. The facility's HVAC System needed to be able to heat the facility to 70° and to provide summer ventilation.

Equipment Solution:

Air Energy provided (3) ER-242-800 + (2) 20" x 40" Intake Hoods to meet ASHRAE 62.1 Indoor Air Standards. The Racks were able to maintain 70° from floor to ceiling throughout the facility. Additionally, these units were able to provide 1.5 Air Turnovers per hour for summer ventilation. **CAP was able to save \$.33/sqft in total utility cost by installing the (3) ER-242-800s.**



Results of Rack System:

CAP Group experienced Annual Savings totaling **\$33,674**:

- Electrical – 39,210 kWh at \$.10/kWh
- Natural Gas – 37,193 therms at \$.80/therm

CAP Group received verified Vectren Rebate:

- Vectren – Natural Gas: **\$29,754**

