

# Case Study Report



## Project Identification

Customer: Northpoint Building #2  
Location: Dayton, OH



## Design Specifications

Facility Warehouse 350,000' x 36' High  
Winter Operation 70° – 0°

### Project Challenge:

Northpoint Development built a new multi-tenant warehouse in Dayton's Airport South industrial park. Northpoint wanted a HVAC system that would provide even temperatures throughout the facility, low operating costs and able to provide ventilation in the summer.



### Equipment Solution:

Air Energy provided (4) ER-242-800s + (2) Rupp RAM-M-20/25 to heat and ventilate the facility. The (2) Rupp MAUs provide the .06 cfm/sqft to meet ASHRAE code 62.1. **By installing a combination of The Rack Units and Rupp MAUs, Northpoint saved \$.23/sqft and received a \$39,000 rebate from Vectren.**



### Results of Rack System:

Northpoint #2 experienced Annual Savings totaling **\$81,240**:

- Electrical – 277,700 kWh at \$.10/kWh
- Natural Gas – 66,925 therms at \$.80/therm

Northpoint #2 received verified Vectren Rebate:

- Vectren – Natural Gas: **\$39,430**