

# Case Study Report



## Project Identification

Customer: Northpoint Bldg. 3  
Location: Dayton, OH

## Design Specifications

Facility Warehouse 433,680' 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 (6) ER-242-800s + (1) Rupp RAM-M-30 to heat and ventilate the facility. The (1) Rupp RAM-M-30 provides the .06 cfm/sqft to meet ASHRAE code 62.1. **By installing a combination of The Rack Units and Rupp MAU, Northpoint saved \$.27/sqft and was approved for a \$42,998 rebate from Vectren Ohio.**



## Results of Rack System:

Northpoint experienced Annual Savings totaling **\$116,694**:

- Electrical – 319,032 kWh at \$.10/kWh
- Natural Gas – 84,791 therms at \$.80/therm

Northpoint received verified Vectren Rebate:

- Vectren – Natural Gas: **\$25,000**

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