

# Case Study Report



## Project Identification

Customer: Sunbeam  
Location: Clayton, Indiana

## Design Specifications

Facility Warehouse 933,750' x 36' High  
Winter Operation 65° – 0°



## Project Challenge:

Sunbeam Development constructed a new 900,000' multi-tenant distribution warehouse in Clayton, IN. Sunbeam needed this facility's HVAC system to maintain 65°-0° in the winter, able to be divisible into multiple spaces and minimize the natural gas and electric usage.

## Equipment Solution:

Air Energy provided (14) ER-242-800s + (8) 24" x 48" Intake Hoods to condition the 933,750'. The Rack Units evenly distribute the heat throughout the warehouse, maintaining a +/- 2° temperature difference from ceiling to floor. By installing The Rack Units + Intake Hoods, **Sunbeam saved \$.18/sqft in utility costs and received a \$100,000 rebate check from Vectren.**



## Results of Rack System:

Sunbeam experienced Annual Savings totaling **\$170,990**:

- Electrical – 385,560 kWh at \$.10/kWh
- Natural Gas – 165,543 therms at \$.80/therm

Sunbeam received verified Vectren Rebate:

- Vectren – Natural Gas: **\$100,000**



4790 West 73<sup>rd</sup> Street | Indianapolis, Indiana 46268  
Phone: 317-290-8500 | [www.aesrack.com](http://www.aesrack.com)

Air Energy Systems, Inc.  
Bill Maher  
[bmaher@aesrack.com](mailto:bmaher@aesrack.com)