

# Case Study Report



## Project Identification

Customer: Maxxis Tires  
Location: Whitestown, Indiana

## Design Specifications

Facility Warehouse 355,320' x 36' High  
Winter Operation 70° – 0°



## Project Challenge:

Maxxis Tires built a brand-new distribution warehouse in Whitestown, IN that they wanted to heat to 70° in the winter months. They wanted their HVAC system to provide consistent temperatures from floor to ceiling in the warehouse with the most energy efficient heating equipment.

## Equipment Solution:

Air Energy supplied (8) ER-242-800s + (4) 24" x 36" Intake Hoods to meet ASHRAE 62.1 fresh air code. The Racks maintained 70° in the facility and the hoods are incorporated with night setback thermostats to reduce temperature and utility usage while Maxxis Tires is unoccupied.



## Results of Rack System:

Maxxis Tires experienced Annual Savings totaling **\$65,980**:

- Electrical – 52,280 kWh at \$.10/kWh
- Natural Gas – 81,000 therms at \$.75/therm

**Carbon Footprint Reduction: 502 tons of CO2 emissions annually**

Maxxis Tires received verified Vectren Rebate:

- Vectren – Natural Gas: **\$78,537**



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.  
Collin Maher  
[cmaher@aesrack.com](mailto:cmaher@aesrack.com)