

# Case Study Report



## Project Identification

Customer: Snyder's Lance  
Location: Plainfield, Indiana

## Design Specifications

Facility Warehouse 495,500' x 36' High  
Winter Operation 70° – 0°



## Project Challenge:

Snyder's Lance purchased a new big box warehouse in Plainfield, IN to house and distribute their snack products. Snyder's Lance wanted to raise the winter temperature from 55° to 70° and increase air movement in the summer to boost their workforce's productivity level.

## Equipment Solution:

Air Energy provided (6) ER-242-800s and used the (2) Existing RUPP Makeup Air Units set up to operate during occupied hours to meet ASHRAE 62.1 fresh air code. The Racks improved the building's heat to 70°, upgraded their summer ventilation and **reduced the facilities utility costs by \$.19/sf.**



## Results of Rack System:

Snyder's Lance experienced Annual Savings totaling **\$91,890:**

- Electrical – 166,645 kWh at \$.10/kWh
- Natural Gas – 100,300 therms at \$.75/therm

**Carbon Footprint Reduction: 701 tons of CO2 emissions annually**

Snyder's Lance received verified Vectren Rebate:

- Vectren – Natural Gas: **\$82,500**

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