

Case Study Report



Project Identification

Customer: Genco - FedEx Supply Chain
Location: Greenwood, Indiana

Design Specifications

Facility Warehouse 255,000' x 36' High
Winter Operation 60° – 0°



Project Challenge:

Genco, FedEx Supply Chain, took over an existing building being heated by (3) Cambridge S1600. The Cambridge units were causing condensation to accumulate on the walls, which would lead to mold. Genco requested a brand-new system that could remediate the condensation issues, heat to 60° in the winter and qualify for an Energy Rebate.

Equipment Solution:

Air Energy provided (2) ER-242-800s + (2) 24' Big Ass Fans to heat Genco's warehouse. This system utilizes one of the 100% Outside Air units to meet ASHRAE 62.1, but the majority of the heat load is maintained by the (2) Rack Units. Genco was able to eliminate the wall condensation, while also maxing out their rebate. **Genco's return on investment was less than 1 year by installing The Rack Units.**



Results of Rack System:

Genco experienced Annual Savings totaling **\$21,110**:

- Electrical – 22,872 kW at \$.10/kW
- Natural Gas – 23,529 therms at \$.80/therm

Genco received verified Vectren Rebate:

- Vectren Rebate – Natural Gas: **\$18,845**

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