

Case Study Report



Project Identification

Customer: Genco
Location: Plainfield, Indiana

Design Specifications

Facility Warehouse 249,000' x 38' High
Winter Operation 68° – 0° Summer – 72°-93°



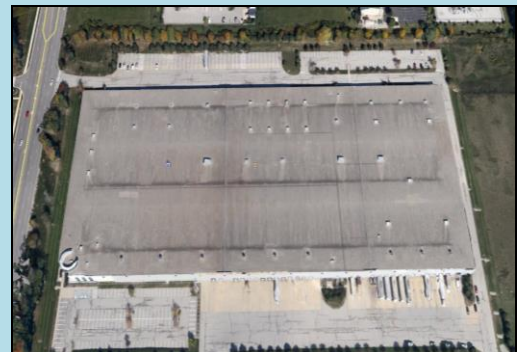
Project Challenge:

Genco was being heated by (2) 80/20 Direct Fired Recirculation Makeup Air Units and cooled during the summer with (13) 25 Ton Cooling Units. The air conditioning had to be distributed by the Makeup Air Units during the cooling season. Genco experienced extremely high utility bills and needed to update their equipment.



Equipment Solution:

Air Energy Systems designed a total warehouse HVAC system that utilizes (13) ER-242-800 Rack units to heat during the winter and to distribute the cooling from the (13) 25 ton RTU during summer operation. The Racks dramatically reduced utility costs, eliminated stratification and created a comfortable work environment.



Results of Rack System:

Genco experienced Annual Savings totaling **\$90,169**:

- Electrical – 644,770 kW at \$.10/kW
- Natural Gas – 44,745 therms at \$.80/therm

Genco received verified Vectren Gas Rebate:

- Vectren – Natural Gas– **\$35,796**