

Case Study Report



Project Identification

Customer: GSA – Census Bureau
Location: Jeffersonville, Indiana

Design Specifications

Facility Warehouse 280,000' x 36' High
Winter Operation 70° – 0° Summer Operation 70° – 95°



Project Challenge:

The United States Census Bureau purchased a 280,000' facility in Jeffersonville, IN to run operations and store government information. This building needed to meet the Bureau's stringent temperature requirements, maintaining 70° from ceiling to floor in summer and winter.

Equipment Solution:

Air Energy provided (14) ER-242 Rack Units that would utilize (14) 25 Ton Roof Top units with 450,000 btu each. The units are controlled by a Building Management System that ensures the temperature in the space doesn't deviate +/- 1° from 70°.

Installing the (14) Rack Units with RTUs resulted in savings of \$.18/sqft in heating costs for GSA- Census Bureau.



Financial Impact of Rack System:

GSA experienced Annual Savings totaling **\$54,151**:

- Electrical – 29,280 kWh at \$.10/kWh
- Natural Gas – 51,225 therms at \$1.00/therm

GSA – Census Bureau received verified Vectren Rebate:

- Vectren – Natural Gas: **\$51,225**

