

CASE STUDY

DIGI-RTU™

FACILITY:
**OFFICE &
DISTRIBUTION
CENTER**
OMAHA, NE



Building Information:

- » Office and distribution center
- » 153,800 square feet
- » High value product storage
- » Temperature controlled & monitored demand control

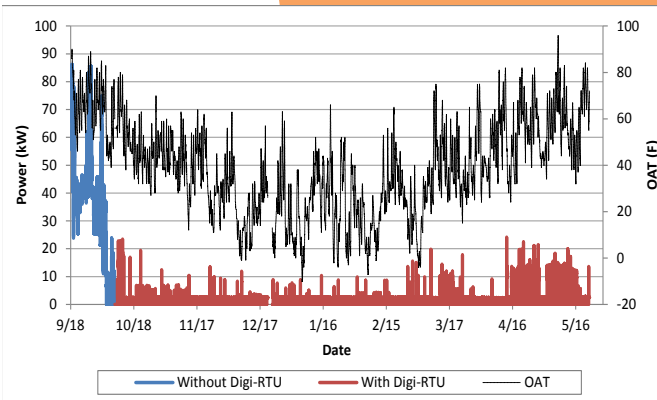
System Information:

- » 19 HVAC Rooftop Units

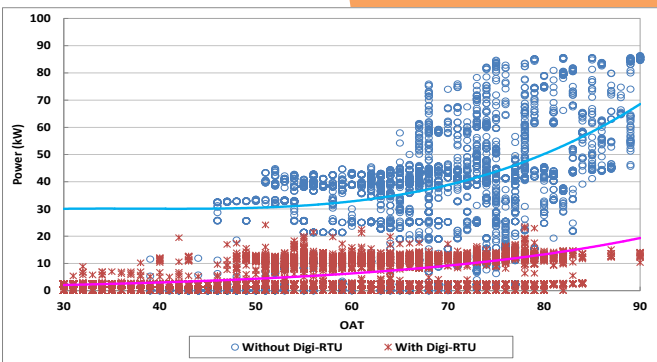
Project Date:

- » September 2013

Measured Power Consumption & Ambient Temperature
5 min. interval



Measured Power Consumption with and without
Digi-RTU™
5 min. interval



HVAC ROOFTOP UNITS

- » Installed 19 Digi-RTUs™
- » M & V taken two weeks prior and two weeks post Digi-RTU™ installation
- » International Performance Measurement and Verification Protocol (IPMVP®) Option A, 5 min. intervals

BENEFITS

- » Improved comfort and system reliability
- » Distribution center space temperature band continued to be maintained within the required range of 1%
- » Electricity: 70% kW reduction
 - » 238,444 kWh - **85% reduction**
- » Simple payback: **1.8 years**