



Project Cost:
\$9,881,230

Locations:
37 Projects in Central U.S.

Contract Type:
Federal IDIQ

Annual Savings:

- 30% reduction

Facility Type:

- Admin/Scientific Weather Forecast

NOAA (National Oceanic & Atmospheric Administration) — Increase Efficiency and Reliability of HVAC Systems in Central Region Energy Project

PROJECT HIGHLIGHTS:

- Engineering design and documentation
- Energy management systems
- Humidification system
- Heat reclaim to replace existing electric or gas heat
- Energy recovery units to reclaim energy from exhaust to outside air
- High efficiency HVAC mechanical system upgrades, including ground source geothermal systems
- Supply air temperature reset to control reset of the supply air based on space temperature

OVERVIEW

CTS Group has been working with NOAA since 2012 with the goal of increasing the overall efficiency and reliability of the existing HVAC systems at their administrative/scientific weather forecast facilities throughout the 14 state Central Region. CTS has worked on 37 projects/facilities. CTS’s efforts were also focused on the reduction of electrical energy consumption and enhancement of the quality of the indoor environment. All work is designed and installed in compliance to all applicable International Codes, the National Electric Code and ASHRAE Standards.



Each facility and its systems are reviewed to determine the best approach to meet the goals of efficiency, comfort and longevity of the systems. The projects address the mandate for energy efficiency within Federal facilities while providing proper comfort levels to the working environment. The projects are averaging a 30% reduction of annual energy expenditures.

CPAR Rating	
Quality	Exceptional
Schedule	Very Good
Cost Control	N/A
Management	Exceptional
Sm. Business Reporting	N/A
Regulatory Compliance	Very Good

“I am the Facilities and Electronics Branch Chief serving in the National Weather Service, Central Region Headquarters. I oversee 38 facilities that must remain operational 24x7. My facilities must remain fully operational in the most severe conditions and therefore have a tremendous amount of redundancy and technology built into them. Control Technology & Solutions is an outstanding contractor and takes great pride in their installations. This is a group of highly skilled true professionals that rank in the top two contractors I’ve ever had the pleasure of dealing with. I can’t say enough about their quality and commitment to each project they have accomplished for us.”

Mark Betsch, Facilities and Electronics Branch Chief