



Project Highlight

University of North Carolina at Charlotte

AMERESCO 



Facility Size

15 Buildings

Energy Project Size

\$8,443,099

Guaranteed Cost Savings

\$669,298

Annual Utility Savings

5,482,826 kWh - Electricity

9,375 KW; 418,929 Therms; 26,745 Mlbs
Steam; 9,907 CCF Water; 23,523 CCF Sewer



Summary

The University of North Carolina at Charlotte (UNCC) entered an \$8.5 million Energy Savings Performance Contract (ESPC) with Ameresco in 2013 for a 15-year term. Upgrades were made across campus, including improvements to fourteen main buildings (450,000 total square feet) and one main chiller plant. The project lowered energy use and maintenance costs for the University, while simultaneously reducing their carbon footprint and improving campus infrastructures. The annual energy savings for the project were forecasted at \$669,298.



Solution

- Lighting System Improvements
- Lighting Controls
- Water Conservation
- Energy Management Systems and Controls
- AHU Variable Frequency Drives
- Chiller Plant Upgrades
- RUP2 Chiller Plant Optimization
- Decentralized Boiler Installation
- Pipe Insulation and Trap Replacement
- Sewer Deduct Meters
- Main Steam Plant Efficiency Improvements - Steam



Benefits

The University of North Carolina at Charlotte contracted with Ameresco to replace aging or inoperable energy infrastructure and to improve the efficiency of these systems at several facilities. The Energy Services Agreement (ESA) was executed May 23, 2013. With a project size of \$8.4 million, Ameresco provided the following services: Lighting systems upgrades and retrofits, lighting system controls, HVAC controls, water conservation upgrades AHU variable frequency drives, chiller plant upgrades, steam plant efficiency improvements decentralized, boiler installation, steam trap replacements, sewer deduct meters.

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

