



Project Cost
\$19,700,703

Annual Projected Savings
\$1,560,110



Utility Conservation Measures

- Lighting retrofit
- EMS upgrades
- Cooling tower replacement
- Solar thermal
- Water conservation
- Mechanical system modifications
- Building envelope upgrades
- Utility sub-meters



North Carolina State University

Raleigh, NC

North Carolina State University turned to Schneider Electric to provide a campus-wide solution to improve energy efficiency and drive sustainable, clean energy projects in 1.6 million square feet of building space across 13 campus facilities. The comprehensive solution developed includes new or enhanced direct digital controls, improved lighting controls with occupancy sensors, improvements to the heating and cooling systems and a solar thermal heating system for domestic water and swimming pools.

Environmental benefits include a carbon footprint reduction of 37% in the buildings included in the project which is equivalent to removing 43,158 cars from the road. The \$1.5 million in annual utility cost savings is being used by the university to fund the project and will not impact the taxpayers of North Carolina.

"At NC State, we're committed to building a sustainable campus, an effort that drives energy efficiency while offering a state-of-the-art learning environment for students," said Kevin McNaughton, Associate Vice Chancellor for Facilities at NC State. "Through performance contracting, we're able to take on these projects immediately without incurring cost to the taxpayer or the students. We are confident this strategy will reduce continuing costs, provide for better facilities to support education and research and substantially reduce our carbon footprint."

Allen Boyette, North Carolina State University