



CASE STUDY

WILLIS INDEPENDENT SCHOOL DISTRICT



The Opportunity

Located north of Houston between Lake Conroe and Sam Houston National Forest, Willis Independent School District (ISD) educates more than 7,300 students in its five elementary schools, two middle schools and one high school. The district has been partnering with the Entergy Texas Commercial Solutions Program since 2008 to integrate energy-saving equipment and upgrades as it has expanded and improved its facilities over the years.

PROJECT AT A GLANCE

\$223,011 Incentives paid

\$278,589 Annual savings

3,095,437 Estimated kWh savings

The Project

In 2008 and 2010, Willis ISD completed the installation of energy-efficient lighting for new construction plans, saving 106,981 kWh annually and earning \$7,231 in incentives. In 2010 and 2011, existing lighting was upgraded to be more energy efficient in buildings throughout the district, and in 2015 the district completed additional lighting upgrades to multiple indoor and outdoor spaces. These lighting retrofit projects are saving Willis ISD another 2,826,406 kWh annually, and the district received \$146,845 in incentives. The district also undertook two HVAC improvement projects, the first in 2009 and the latest in 2016, which included the installation of a reduced tonnage water-cooled chiller plant with an evaporative cooling tower. Together, the HVAC projects are saving the district 162,050 kWh annually and \$68,934.33 were awarded in incentives.

The Results

Since 2008, the Commercial Solutions Program has helped Willis ISD save 3,095,437 kWh, which is the equivalent of eliminating the greenhouse gas emissions of 460 passenger vehicles annually. In addition to improving the environment, Willis has received \$223,011 in incentives and is now saving approximately \$278,589 annually in energy costs. The district has been able to redirect these resources back into an educational community that serves a growing number of students poised to make an impact on the 21st century.

To learn more about the Entergy Texas Commercial Solutions Program, contact Phillip Lanier at **281-297-2214** or planier@entergy.com, or CLEARresult at **855-884-5617** or enterytx@clearresult.com.

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