



CASE STUDY

CONTINUOUS ENERGY IMPROVEMENT FOR INDEPENDENT SCHOOL DISTRICTS: CONROE, NEW CANEY AND PORT ARTHUR



The Opportunity

Conroe ISD, New Caney ISD and Port Arthur ISD — all previous participants of the Commercial Solutions Program — were looking for more ways to cut down on energy. The three school districts partnered with Entergy Texas to increase energy awareness and energy management practices through the Entergy Texas Continuous Energy Improvement Program.

The Project

Starting in March 2015, the CEI team began by equipping the school districts with the energy-usage tracking software, EnergyCenter. Each month, the districts reviewed energy use reports and targeted changes in scheduling and behavior. The CEI team helped with the challenges of off-hours resource management, provided engineering-based walkthroughs to identify saving opportunities and worked to establish cross-functional resource management teams within each district.

Several tools were created and delivered to the districts, including energy management and awareness assessments, end-of-day shutdown checklists for teachers and principals, an energy awareness poster campaign, sample facility request forms and more.

The Results

In the first year of participating in the CEI Program, the three school districts saved over 4.6 million kWh and an estimated \$370,000 in energy costs. Over the next two years, the districts managed to save another 11.7 million kWh and an estimated \$938,000 in energy costs. Total energy use is down by an average of 4.87 percent since the school districts began participating. Not only are the three districts saving over \$1.3 million annually, they are also improving the environment. Saving 16,329,582 kWh is equivalent to removing the greenhouse gas emissions from 2,602 passenger vehicles from Texas roads.*

**According to the U.S. Environmental Protection Agency.*

To learn more about the Entergy Texas CEI Program, contact CLEAResult at **281-902-1168** or **entergytx@clearresult.com**.

PROJECT AT A GLANCE

3 Completed program years

\$1,306,367 Estimated cost savings

16,329,582 Estimated kWh savings

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