

## Klein Independent School District

# RETRO-COMMISSIONING

Save energy without compromising quality.

The Klein Independent School District (ISD), comprised of 50 schools in Harris County, Texas, saved thousands of dollars with simple operational improvements through CenterPoint Energy's Retro-Commissioning (RCx) offering.

By implementing some of the recommended ways to optimize their systems and improve their reliability without the need to purchase new, expensive equipment, Klein ISD had recovered all project costs through energy savings in under one year.

*\*Results from 10 Klein schools that participated in CenterPoint Energy's RCx program*

### Measures implemented

- Optimization of air handling units (AHUs), Chiller/Cooling Towers and pumps
- Scheduling
- Heating lockout
- Open air (OA) reduction

### Key program benefits

- A technical energy analysis with no cost to the owner by a qualified RCx agent.
- An Investigation Report listing all RCx savings recommendations, project costs, available rebates, and simple payback (RCx projects typically have a simple payback <1.5 yrs).
- Potential to earn additional cash incentive bonuses.
- A detailed implementation scope of work (SOW) for selected recommendations.
- A Verification Report confirming all measures are installed as intended and meet the customer's expectations. This report includes final savings estimates for the project.

### Solutions and results

**Identify energy savings:** The Klein ISD team implemented various recommended improvements across multiple facilities to optimize their HVAC and Building Automation System that collectively saved nearly 6% off their electric bill.

**Reduce energy costs:** The implemented measures reduced the electrical consumption at several of the school district's facilities and created a more suitable learning environment for students and teachers.

### Reduced energy costs

**PEAK DEMAND SAVINGS:**  
488 kW

**ENERGY SAVINGS:**  
1,143,690 kWh/year

### PROJECT COST:

\$90,204

### SIMPLE PAYBACK:

0.9 years

### ANNUAL USAGE % SAVINGS:

5.9%



### Get started now

Contact one of our program-approved RCx agents by scanning the QR code, or contact CenterPoint Energy at [EnergyEfficiency@CenterPointEnergy.com](mailto:EnergyEfficiency@CenterPointEnergy.com)

