



Killeen Civic & Conference Center

48%

Reduced energy consumption

Challenge

Due to the need to be sustainable and save energy and resources, Killeen Civic & Conference Center wanted to conduct detailed engineering assessment to identify opportunities for reducing their energy costs.

Solutions

CVAL implemented the following efficiency measures after conducting detailed engineering assessment identified opportunities to reduce energy use by 48%.

Lighting Retrofits

Comprehensive replacement of indoor and outdoor fixtures with high efficiency LEDs. Improved controls to conserve use.

Chiller Replacement

Replace outdated cooling units with right-sized, premium efficiency equipment.

HVAC Optimization

Upgrade and fine-tune mechanical equipment to operate at maximum efficiency.

Bay Door Closer

Install smart controls to automate closing the loading bay and conserve HVAC energy.

Water Heater Commissioning

Optimize kitchen and dishwasher heaters to conserve during sanitization.

Low-Flow Water Fixtures

Install low-flow flush valves and aerators in restrooms to conserve water.

Building Details

- **Location:** Killeen, Texas
- **Building Type:** Conferences & special events
- **Building Height:** Single story
- **Year Built:** 2002 (renovation)
- **Building Area:** 63,000 sq ft
- **Energy Assessment:** March 2016
- **Efficiency Measures:** 6
- **Investment:** \$1,170K
- **Operational Savings, \$/yr :** \$165K
- **Rebate Potential:** \$100K
- **Simple Payback, years:** 6.5