



PUEBLO COUNTY SCHOOL DISTRICT 70

Holistic Facilities Solutions

Engineering for Success

Pueblo County School District 70 (Pueblo) selected Willdan to complete a performance contract for energy-efficient facility improvements. This contract followed a collaborative effort between Pueblo and Willdan to develop a district-wide, 15-year master plan to maintain and update K-12 facilities.

Willdan conducted a detailed evaluation of all the district's 25 school and administrative buildings, including the facilities' existing construction, as well as their mechanical, electrical, controls and other systems. By providing accurate energy savings projections, detailed building upgrade data, and the resources to aid the district in implementing the desired improvements, Willdan helped Pueblo to develop the best overall project scope that fits their needs.

Highlighted Result: Willdan helped Pueblo to not only improve efficiency, but also to improve comfort, temperature control, humidity, and other indoor environment issues that had begun to compound in recent years.

Willdan's also coordinated with the Colorado Energy Office, which provides direction for the Energy Performance Contracting Program and general oversight on projects and energy savings measurements in Colorado.

Incentives Received:

Utility Rebates

 \$232,671

Total Project Costs:

 \$14,465,469

Annual Savings:

 \$679,632 energy savings

 4,364,567 kWh

 10,914 MMBtu

Featured Solutions

- Engineering Analysis
- Energy Planning
- Energy Efficiency
- System Optimization

Improvement Details

- Districtwide lighting replacement and upgrade to flat-panel LED fixtures, generating more than \$255K in annual energy savings
- Complete roof replacements at Liberty Point Elementary and Liberty Point Middle School
- New lay-in ceilings at Liberty Point Elementary and Liberty Middle School
- New condensing hot water boiler plants at 6 of the 19 K-12 facilities
- New HVAC and controls at 3 of 19 K-12 facilities: Liberty Point Elementary School, Liberty Point Middle School and Pueblo County High School
- Controls expansion and optimization of 5 of 19 K-12 facilities, generating more than \$270K in annual energy savings
- New emergency power generator at Beulah Elementary School
- New RTUs and controls at Rye High School
- Controls retro-commissioning and graphics upgrade at 10 of 19 K-12 facilities and produced as-built drawings (All district facilities now on one new graphics interface)



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“Over the 18-month collaborative development process with Willdan, their team of professionals and project managers worked closely with our facilities staff and district administrators to truly understand our district’s short-term and long-term goals, not simply from a system needs point of view, but how could we improve operationally within the district.

As we confidently moved into Investment Grade Audit and engineered design, the project continued to reflect our feedback and goals, down to the equipment preferences, system selections and inclusion of local-based contractors for project implementation.”

**- Monte Montez,
Director of Facilities &
Special Projects**