

ENERGY PERFORMANCE CONTRACT CASE STUDY

City of Durango
2019 - 2021



AT A GLANCE

Energy Conservation Measures

- Rooftop unit replacements
- Pump control upgrades
- Building automation system upgrades and controls enhancements
- LED lighting upgrades
- Solar PV systems
- powerED sustainability engagement program

Project Stats

- Cost of Project: \$5,000,000
- Energy Savings: \$335,224/year
- Maintenance Savings: \$11,483/year
- DOLA Grant: \$1,000,000
- IRA Funding: \$1,057,000
- Utility Incentives/Rebates: \$101,114



PROJECT OVERVIEW

The City of Durango partnered with McKinstry to conduct an Investment Grade Audit across 16 municipal buildings and 13 parks, aiming to identify opportunities for energy and operational efficiency. This initiative led to the development of an Energy Performance Contract, which included a comprehensive set of measures designed to improve facility performance, reduce utility and maintenance costs, and support the city's sustainability goals. The project supports the city's targets of a 25% reduction in energy use and an 18% reduction in interior water use by 2025, along with 50% renewable energy generation by 2030.

The total project cost approximately \$5 million, with \$1 million secured through a Colorado Department of Local Affairs grant. The remaining cost was financed by the City, with the project expected to pay for itself over a 16.2-year term through annual energy savings of \$335,224 and operational savings of \$11,483.

EPC PROJECT HIGHLIGHTS

- 1,819 lighting retrofits performed with 4,550 lighting fixtures diverted from landfills
- 213 water conservation retrofits saving 1.43 million gallons of water a year
- 661kW solar capacity across five sites
- \$2.5 million infused into community through local vendor utilization



COLORADO
Energy Office