

City of Golden

Golden, Colorado



Project Details

In December 2006, the City of Golden's Council identified *sustainability* as its number one priority for 2007 and entered the Colorado Governor's Energy Office's energy performance contracting program. Through a competitive solicitation, the City chose McKinstry as its sustainability partner and we began the process of auditing City facilities in October 2007.

Through investigation of numerous energy conservation measures, the project scope of work includes lighting retrofits and occupancy sensors in nearly every building, with a major redesign of the Community Center pool lighting to meet code compliance and reduce electricity consumption. Outdoor lighting is being retrofit for Dark Sky compliance. The Community Center is receiving new air handling systems, an updated energy management system, and a solar pool heating system with dehumidifier optimization for maximum savings. The Public Works Building is located above the water treatment plant storage tank, creating an uncomfortable winter working environment. A new boiler and floor insulation is being installed to solve this issue. Facility improvement measures at other City buildings include controls upgrades and optimization, VFDs on pump motors, and HVAC improvements.

Project Benefits

McKinstry secured grants on the City's behalf for \$500,000 from the Department of Local Affairs' Energy and Mineral Impact Fund and \$25,000 from the Governor's Energy Office's Renewables in Performance Contracting Grant Fund. Substantial rebates from Xcel Energy are also benefitting this project. The installation of these energy conservation measures saves the City over \$88,000/year in utility and operational costs.

Project Information

Project Dates	Audit Start: 10/2007 Audit Complete: 03/2008 Construction Start: 09/2008 Construction Complete: 04/2009
Project Size	Buildings: 16 SF: 161,079

Contract Information

Amount	\$1,183,691
Type	Performance Contract; GMAX
Duration	10-year Guarantee
Financing	\$500,000 DOLA Grant; \$25,000 GEO Renewables Grant; City Capital

McKinstry Team

Project Director	Leslie Larocque
Program Manager	Bryan Hanson
Construction Manager	Kip Kenyon
Engineers/Designers	Roger Huggins Antonio Giacobbe Kristina Sing
Site Superintendent	David Edsall
Measurement & Verification	TBD

Project Contacts

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