

ENERGY PERFORMANCE CONTRACT CASE STUDY

Telluride School District R-1

Fall 2024



AT A GLANCE

Energy Conservation Measures

- Installed LED lighting for improved safety and energy efficiency inside and out
- Upgraded snow melt controls for enhanced energy efficiency
- Added PV Solar to generate on site renewable energy to power the school
- Reduced energy costs by utilizing the battery storage to offset peak demand charges
- Installed EV charging stations for visitors and staff
- Upgraded transformers to high-efficiency models to lower energy consumption

Project Stats

- Cost of Project: \$8,858,190
- Year one utility and O&M savings: \$92,795
- Carbon dioxide reduction in annual emissions: 5,426,302 lbs
- Incentives, rebates, and grants: \$1,095,460
- Reduction in annual utility costs: 33.0%



PROJECT OVERVIEW

Nestled in the Rocky Mountains, Telluride School District partnered with Energy Systems Group to modernize its facilities while preserving the town's historic character. The project improved energy efficiency, resilience, and sustainability by integrating renewable energy, battery backup, and critical infrastructure updates—ensuring schools stay operational year-round. The district also took great care to protect Telluride Elementary's 150-year-old historic character, reinforcing its iconic cupola and collaborating with local historical societies.

Beyond education, these buildings serve as community hubs, hosting civic events and emergency operations. With strategic energy savings and grant funding, the district reduced utility costs by 33%, securing long-term benefits for students and the broader Telluride community.



EPC PROJECT HIGHLIGHTS

- Collaborated with local historical societies to preserve the exterior character
- Improved Building Envelope by eliminating drafty conditions and sealing gaps
- Replaced/repairs roofs to enhance facility integrity
- Created independent on-site power supply for uninterrupted operation in emergencies



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