

# ALAMOGORDO PUBLIC SCHOOLS

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GUARANTEED SAVINGS PERFORMANCE CONTRACT

**CORPORATE HISTORY:** Energy Control Inc. (ECI) is a premier provider of intelligent energy solutions and cost savings since 1976. ECI is an expert in financing & installation of energy efficiency projects focusing on direct digital control, lighting, heating, ventilation, air conditioning (HVAC) and renewable energy.

**Project Vision:** Improve Environments by optimizing lighting and comfort with Geothermal Heat Pumps, while generating utility consumption and costs savings.



*AlamoGordo High School*

**The High School saw an 8% decrease in electricity use & an 83% decrease in gas use**

**PROJECT HISTORY:** AlamoGordo Public Schools had aging HVAC units, which did not provide a comfortable environment for working and learning. The units were costly to run due to high electric, gas and water consumption. ECI was asked to conduct a Capital Asset Plan to evaluate financial and mechanical needs.

**ENERGY INTELLIGENCE:** ECI worked with the District on a \$2,400,000 performance contract including lighting upgrades, a ground-source heat pump (GHP) system at the High School and BACnet® building automation in 4 schools. The result is an efficient and comfortable learning environment paid for with energy cost savings.



AlamoGordo passed a 6,000,000 bond initiative to extend the GHP project to encompass the complete High School Facility.

ECI identified the need for upgrade to the cooling equipment at the High School.

**MEASURES:** • ground-source heat pumps • Individual DDC classroom control • lighting upgrade in 12-schools • BACnet • performance contracting

**High School receives ENERGY STAR label**

## TECHNOLOGY SOLUTIONS

- Ground-source Heat Pumps
- Energy Efficiency
- Comfort control in classrooms
- Lighting upgrades in 13 Schools
- District-wide Controls Monitoring
- Facility Staff Training Program
- Service & Support All Systems

## BENEFITS

- \$8,880,000 in Capital Improvements
- \$1,981,420 in Energy Cost Savings
- Reduced Mechanical Failures
- Effective Staff via alarms/monitoring
- Largest Renewable HVAC in SW
- National Awards and Recognition



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*Using technology to improve the use of energy and create a better environment*