

SANTA FE PUBLIC SCHOOLS

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LEED SILVER BUILDING SOLUTIONS

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 Learning Environments by optimizing building automation systems while generating utility consumption and costs savings.



Amy Biehl Community School



ECI offers customers design-build Building Automation Systems and Renewable Energy Solutions

PROJECT HISTORY: ECI and the Santa Fe Public School District have a strong, working relationship spanning more than ten years since ECI became a CES procurement partner. ECI provides integrated Facility Management Systems (FMS) for; HVAC, Access Control, Surveillance, DDC, Intercom, Fire Safety and Burglar Alarm. Confidence in ECI's capabilities led to the contract award of LEED design/build solutions for the Amy Biehl Community School at Rancho Viejo.

Amy Biehl uses renewable, ground-source energy for temperature control. Ground-source heat pumps (GSHP) offer the lowest emissions among all heating and cooling technologies. Variable speed drives and energy recovery ventilators (ERV) assist the system in operating at a low energy consumption level while delivering a quality learning environment. The building design is used as teaching tools to assist students in learning conservation and sustainability behavior.

SOLUTION: This LEED Silver property represents the very nature of turnkey solutions in design. ECI was able to offer new building strategies to optimize the facility's automation systems as well as special systems, which utilize Internet Protocol (IP) technology.



The Santa Fe Public School District builds a LEED Silver School at Rancho Viejo

MEASURES: • LEED design/build • bore field sizing • GSHP • Energy Recovery Ventilators • Variable Frequency Drives • BACnet Direct Digital Controls • Access Control • Burglar & Fire Alarm • IP Video Surveillance • Intercom

TECHNOLOGY SOLUTIONS

- Ground-Source Heat Pumps
- Design/Build & LEED Engineering
- BACnet® Direct, Digital Control
- Internet Protocol Special Systems
- Energy-Efficient HVAC Equipment

BENEFITS

- \$3,200,000 in Capital Investment
- LEED Silver Classification
- Renewable Temperature Control
- Energy Cost Savings
- System Service, Training & Support



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A DIVISION OF OPTERRA ENERGY

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