

NEW MEXICO JUNIOR COLLEGE

www.energyctrl.com

FACILITY MANAGEMENT SYSTEMS

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 HISTORY: New Mexico Junior College and Energy Control Inc. (ECI) have had an ongoing relationship since the 1970's. ECI has completed automation projects in all major facilities and the Central Plant. ECI has installed PC's in the Police Dept., Dormitory Director's Office, and Central Plant to monitor all HVAC equipment and door card reader security. The systems are tied-in to campus police for security alarms and remote notification of HVAC alarms to a designated control engineer. The chillers, cooling towers, heat exchangers and remote campus building HVAC systems equipment can all be controlled and monitored from these locations.

Central plant chilled water uses a variable flow rate determined by system loads transmitted to the central plant. ECI is connected to the campus via the Internet and is able to monitor the HVAC system remotely.

MEASURES: • FMS Connect to Internet • Boiler/Chiller Expansion • Chilled Water Distribution • Variable Frequency Drives • Master Key & Security Card Readers

Project Goals

- **provide environmentally-friendly solutions;** *with state-of-the-art technologies and financing*
- **self-funding capital improvements;** *through energy and operation cost savings*
- **establish long-term customer relationship;** *based on sound investment & quality performance*



New Mexico Junior College

New Mexico Junior College first opened its doors to students in the fall of 1966. Since that time it has grown to be one of the finest community colleges in New Mexico with an enrollment of 3,239. The campus is on 243 acres with over 331,400 gross square feet of buildings.



TECHNOLOGY SOLUTIONS

- **Security: CCTV & Access Control**
- **Digital Control and Monitoring**
- **Facility Staff Training**
- **Service & Support of Systems**

BENEFITS

- **\$1,243,000 in Capital Improvements**
- **Energy Cost Savings**
- **Improved Staff Effectiveness**
- **Improved Learning Environment**



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