

Energy Conservation

Mount San Jacinto Community College District San Jacinto and Menifee, California

Project Cost: \$705,000

Annual Cost Savings: \$135,000

Utility Rebates: \$298,400

Facility Description: Community College District

Contract Term: Construction Duration



In early 2003, NORESKO completed a comprehensive energy conservation project at the Mt. San Jacinto Community College District campuses. Energy conservation measures included:

- Retrofitting existing interior and exterior light fixtures with the most energy-efficient technology available and installing occupancy sensors to further reduce the run hours of the new lights. Replacing existing pneumatic and stand-alone controls in six buildings with a new energy management system (EMS). The computer-controlled EMS allows facility personnel to schedule, monitor, and troubleshoot the existing HVAC and lighting systems.
- Replacing rooftop package air conditioning units, chilled and hot water pumps, and supply fan motors with new high-efficiency units. NORESKO replaced the worst-performing air conditioning units on the campus with new high-efficiency units with seasonal energy efficiency ratios (SEERs) of 11 and 12.

Overall, the project saved 90 kW in electrical demand, 630,000 kWh in electrical consumption, and 30,000 therms in gas usage.

NORESKO provided a wide range of services for the project, including equipment auditing, energy analysis, rebate processing, construction management, design engineering and specification, and project implementation inspection and commissioning.

Part of the project's success is due to the positive involvement of campus personnel in providing access, answering questions, and maintaining open lines of communication. Success is also due in part to the extensive experience of NORESKO's construction team in implementing multi-craft projects under a tight timeline on a busy college campus.

NORESCO is the nation's most experienced energy service company providing comprehensive and proven energy-efficiency solutions and infrastructure development and operations strategies to a wide range of customers. A recognized industry leader installing and operating over \$1.4 billion of proven energy solutions in diverse markets across the nation, NORESKO has built on-site energy infrastructure generating more than 300 megawatts of power, and has helped customers improve energy efficiency saving over 31 billion-kilowatt hours of electricity and 71 trillion Btus of fuel.



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