



## US ARMY CORPS OF ENGINEERS ALBUQUERQUE DISTRICT

New Mexico and Southern Colorado

[USACE Updates Lighting at 7 Dams](#)

### Owner

USACE

### Contract Type

Lighting Retrofit

### Contract Amount

\$379,408

### Electrical Contractor

Facility Solutions Group

### Engineering Firm

Facility Solutions Group

### Energy Firm

ADI Energy

### Energy Savings

\$56,833 Annual Energy Savings

### Number of Fixtures Replaced

1,998

### CHALLENGE

The mission of the U.S. Army Corps of Engineers is to deliver vital public and military engineering services. The USACE Albuquerque District completed John Martin Dam in New Mexico after WW2. Other major projects followed in the ensuing years: Jemez Canyon Dam, Abiquiu Dam, Two Rivers Dam, and Cochiti Dam in New Mexico; Trinidad Dam in Colorado, and Santa Rosa Dam in New Mexico. FSG was tasked with bringing the indoor and outdoor lighting systems at all 7 locations up to today's highest efficiency standards.

### SOLUTION

An audit of all seven locations determined a scope of almost 2,000 fixtures. LED tubes and screw-in lamps in interior spaces were updated to new LED lamps. Exterior HID flood lights and wall pack fixtures were updated to new LED fixtures with much longer life and substantially reduced energy consumption. Products were selected to provide long life and reduced maintenance costs.

### RESULT

The lighting retrofit reduced demand across all 7 sites by 154KW, saving over \$56,000 a year in energy costs. New LED fixtures provided better color and light overall while saving energy. Products are covered by a 5-year warranty providing peace of mind.

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