CASE STUDY

CITY OF ELK GROVE

Street Light Upgrades

Goals and Challenges

The City of Elk Grove, California, had approximately 10,000 high-pressure sodium street lights located throughout the City. These lights, spread across areas that included residential neighborhoods, commercial areas, and heavily traveled thoroughfares led to high electric costs, heavy maintenance needs, and low-quality light throughout the City.

Seeking to reduce costs and improve lighting, the City turned to Willdan to design and manage the installation of a lighting-system upgrade.

Solutions and Results

Willdan developed a comprehensive street lighting system upgrade to transition all of the existing high-pressure sodium lights to light emitting diodes (LED). Our firm also developed specifications, managed a competitive bidding process to select subcontractors, and ensured the project was completed on time, on budget, and in line with the design engineer's intent.

The recently completed project has ensured that the City operates with the most efficient lighting technology on the market, with greatly reduced maintenance, and with aesthetically attractive lighting throughout the City.

Improvement Details

- Designed upgrades for conversion of nearly 10,000 street lights from high-pressure sodium to light emitting diode (LED) technology
- Managed competitive bid processes for all labor and materials for lighting upgrades
- Oversaw project implementation to ensure contractor adherence to design and specifications
- Ongoing relations with City to maximize performance and support other City projects and challenges

Project Value:

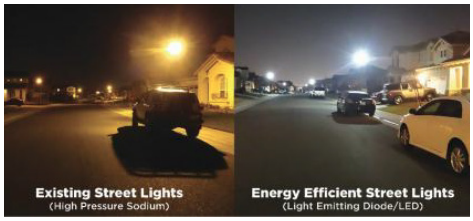
$3,800,000

Annual Savings:

$400,000

Annual Maintenance Savings:

$50,000



Featured Solutions

- Energy Efficiency
- Engineering Analysis
- Engineering Design
- Construction Management

WILLDAN

www.willdan.com 800.424.9144