

LED STREETLIGHT CONVERSION PROJECT

FACT SHEET

History

The City of Modesto's Public Works Department completed a Citywide Light Emitting Diode (LED) Streetlight Conversion project in October 2015. The objectives of the project was to replace High Pressure Sodium (HPS) streetlights with LED fixtures which would save energy and money, reduce greenhouse emissions and improve safety. The project converted 9,845 HPS streetlights to LED at a cost of \$3,235,742.

Facts

- ◇ The City of Modesto has 11,575 streetlights
- ◇ LED streetlights require less maintenance than HPS streetlights
- ◇ LED streetlights provide better illumination with a whiter light output
- ◇ The improved LED white light output helps people see colors better at night, which improves public safety
- ◇ The total streetlights converted to LED is 10,730, including 730 that were converted in 2011 using an ARRA grant
- ◇ LED streetlights reduce energy use which reduces greenhouse gas emissions
- ◇ The life expectancy of an LED streetlight is 20 years, compared to 2-3 years with HPS
- ◇ The warranty on the LED streetlights is for 10 years
- ◇ The City of Modesto still has 845 High Pressure Sodium streetlights, including 595 in high voltage streetlight circuits

Cost Savings

- ◇ The new LED streetlights were installed from April 2015 through October 2015.
- ◇ The rebates for the LED streetlights were **\$137,963** from MID and **\$11,954** from TID
- ◇ The actual energy cost savings was **\$384,755** between July 2015 and June 2016 (partial year)
- ◇ The actual energy cost savings was **\$582,372** between July 2016 and June 2017 (full year)

City of Modesto
Public Works Department
Traffic Division

Problem with a streetlight?

- Visit www.modestogov and click "Make a Request", or
- Use our GoModesto app, or
- Call 209-342-2297



HPS

LED



Our Mission

"The Mission of the Public Works Department is to design, construct, operate and maintain public infrastructure efficiently in order to protect public safety and enhance the quality of community life."