

Upper Dublin Township replaced street lighting throughout the Township with energy-efficient LEDs. The replacement was completed in late fall 2017 with a few additions in 2018.

The move helps the Township save in electricity costs, reduce carbon emissions and help make streets safer. LEDs can cut energy use and carbon emissions by up to 60 percent and can last years longer than traditional street lights. They also distribute light more consistently, with fewer dark spots, so streets are illuminated more evenly and less light is misdirected. LED street light costs have been dropping and efficiencies improving in recent years as the technology has become increasingly efficient.

This replacement was in part a necessity, as 30% of the Township's streetlights were a technology that was banned from production effective 2008, and, therefore, could not be repaired nor replaced with the original technology.

The overall objectives associated with this initiative included:

- Converting all roadway and street lights to LED technology
- Obtaining accurate GIS data for luminaires with GPS technology
- Optimizing benefits of the program with improved lighting
- Reducing energy consumption and annual costs of street lights
- Minimizing future costs to maintain and replace the converted street lights
- The cost of this replacement will pay for itself within 13 years through rebates and reduced energy and maintenance costs