

TACOMA STREETLIGHT REPLACEMENT

FACT SHEET



Project Overview

Tacoma Public Works and Tacoma Power are working together to replace approximately 75% of the city's aging overhead street lights with new, energy efficient LED fixtures. For this project, streetlights are defined as fixtures with lights mounted 25' - 40' above ground. In addition to significant energy conservation, this project is expected to save Tacoma residents more than \$5 million over the next 15 years.

Why is the City doing this?

- The City spends almost \$1 million every year to power street lights and traffic signals.
- This project is estimated to save Tacoma residents more than \$5 million over the next 15 years.
- With this project, the city expects to save 11,500 MWh each year - enough electricity to power 1,000 homes a year in Tacoma!

Health & Safety

- LED streetlights will reduce light pollution for Tacoma residents and emit less "blue light. The American Medical Association (AMA) released a study in June 2016 on the impact of LEDs on health and the environment. The AMA has urged cities to minimize the amount of blue light.
- Brighter arterial street lighting has proven to emit 12 - 17% less blue light than the existing streetlights while providing 1.5 times greater object detection.

Details & Timing

- Streetlight replacement is expected to begin this fall and conclude by the end of 2018.
- An interactive map showing the installation schedule, by neighborhood, is available online at MyTPU.org/Streetlights.
- Given the complexity of the design and re-engineering requirements, ornamental fixtures in the historic districts are not included in this initial upgrade.
- 3000K LEDs will be installed in all residential and local areas while 4000K LEDs in high speed arterials.

Benefits

- Significantly lower cost to power, purchase and maintain new streetlights
- Increased safety at night through greater visibility and fewer streetlight outages
- Less light pollution
- More energy efficient - new LED technology uses 25-35% the amount of energy as the current streetlights

For more information visit MyTPU.org/Streetlights

