

LED Streetlight Status

The conversion of Town-owned streetlights is expected to begin February 6 and continue for two to three weeks. The lights to be converted are on Flanders Road and east, from Noank to the northern Town line (see the attached map). Approximately 1274 of the “cobra head” streetlights will be replaced with new LED fixtures. These fixtures are expected to provide approximately 70% in energy savings. The installer, Red Thread, will have four teams installing the new fixtures. They will begin in Noank and work to the north. Doing neighborhoods first and then main thoroughfares. Caution should be observed while passing the workers as they will be moving rather rapidly, expecting to install 30 fixtures per team per day. A number of Frequently Asked Questions (FAQs) are provided for additional information. Should you have additional questions, please contact, Rick Norris at RNorris@groton-ct.gov .

Town of Groton LED Streetlight Conversion Project Frequently Asked Questions

1. *What kind of streetlights does Groton currently use?*

The majority of streetlights currently used in Groton are High Pressure Sodium (HPS) lights. While HPS is one of the most common streetlight technologies across the country, it has several drawbacks. HPS streetlights are not very energy efficient, cast an orange light under which it is difficult to see color, and tend to produce light that is not of optimal quality.

2. *What are LED streetlights?*

Light Emitting Diodes (LED) are a technology that has been used in solid state lighting for decades. More recently, LED technology has advanced to streetlight applications. LED streetlights are extremely energy efficient, have long life spans, and produce a better color and quality of light than typical High Pressure Sodium (HPS) streetlights.

3. *What color of light are LED streetlight fixtures?*

Contrary to the orange light that High Pressure Sodium (HPS) fixtures produce, LED streetlight fixtures are a cooler, white light under which it is easier to see true colors.

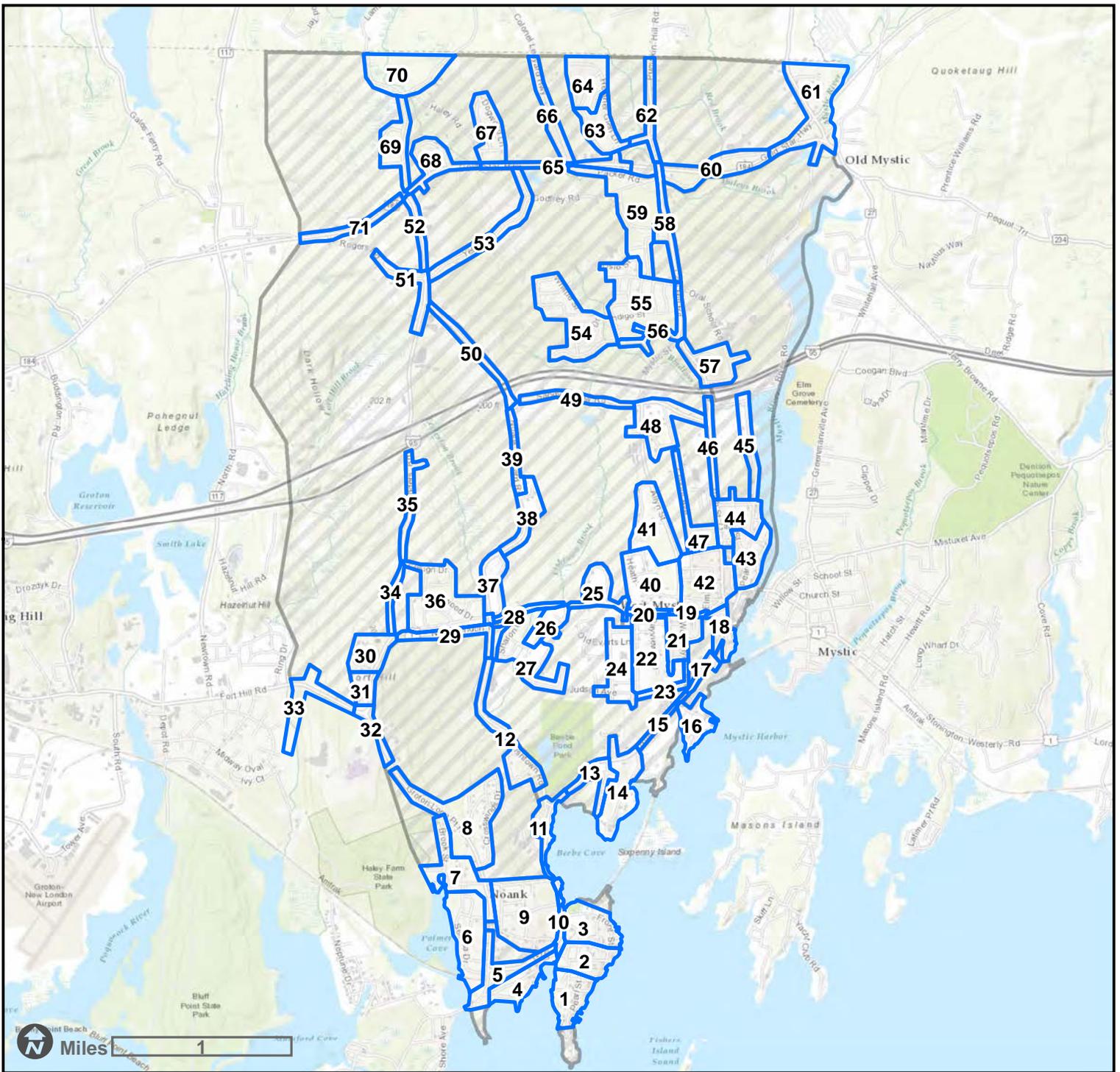
4. *Why do the new LED fixtures appear to be dimmer?*

Although the new LED fixtures produce a different looking light than the HPS fixtures they replaced, they are not actually dimmer. HPS fixtures tend to produce a bright spot directly underneath the fixture, whereas LEDs create a more even pool of light across the ground or roadway.

5. *Why is Groton doing an LED streetlight conversion project?*

Groton is interested in reducing its energy consumption and maintenance costs associated with streetlighting. Installing LED streetlight fixtures will save energy, require less maintenance, and will provide citizens with better light quality on streets and roadways.

6. *How many streetlights is Groton replacing with the LED streetlight conversion project?*
This project will replace approximately 1,555 streetlight and parking lot lights throughout Groton, most of which are standard streetlights (called “cobra heads”.)
7. *How much will Groton likely save when it upgrades to LED streetlight fixtures?*
The project is expected to save Groton over 481,603 kilowatt hours and approximately \$59,914 in energy costs in the first year after the project is implemented.
8. *How long will the project last?*
The project began May 2016 with a town-wide audit that provided precise locations and characteristics of all existing streetlights. Installation of the new, energy efficient LED cobra head streetlights is expected in February 2017.
9. *What are the benefits of the LED streetlight fixture project?*
The benefits of this project to Groton include:
 - Reduced energy consumption resulting in energy savings and reduced Greenhouse Gas emissions
 - Reduced maintenance costs
 - Better visible light for Groton citizens
10. *What is Groton doing with all the streetlights it is removing?*
The existing High Pressure Sodium (HPS) streetlights will be recycled in accordance with all federal and state environmental guidelines.
11. *Who is the contact for additional questions about the LED streetlight conversion project?*
For more information about the LED Streetlight Conversion project, please contact Rick Norris, from the Town of Groton Public Works Department, at (860) 446-5974 or RNorris@groton-ct.gov.



Town of
Groton

Cobra Head Installation Areas Overview Map

-  Install Area
-  Eversource Service Area