

What are the health and environmental benefits of going to LEDs?

The American Medical Association encourages minimizing blue-rich lighting by using the lowest emission of blue light possible. Additionally, the BWL will install LEDs using responsible light design to minimize detrimental human and environmental effects.

Who owns, maintains and pays for streetlights?

Local governments pay the BWL to maintain streetlights throughout our service territory.

How do I report a burned-out streetlight in my area?

Customers can report streetlights out by calling 877-295-5001 or online through Lansing Connect at lansingmi.gov/Lansing-Connect.

**For more information,
please contact the
Lansing Board of
Water & Light at**

517-702-6002

LEDStreetLights@lbwl.com

8am-5pm

Monday-Friday

www.lbwl.com/streetlights



LANSING
BWL
NEW LIGHTS
Safe Nights

**Streetlight
Conversion
Program**

Why is the BWL going to LED streetlights?

The BWL is installing LEDs because they're more energy efficient, easier to maintain, provide a cost savings and are in line with industry standards to move away from inefficient light sources.

How many lights are being converted?

The BWL is responsible for 34,500 fixtures including streetlights and outdoor protective lighting throughout the greater Lansing area and surrounding communities.

When will I see these changes in my neighborhood?

An upgrade of the system will take around 3 years to complete. This includes upgrades to poles, arms, fixtures, controls and supporting infrastructure. To see a map and projected timeline of the project, visit www.lbw.com/streetlights.

Why are some streetlights brighter or more white than others?

Since the early 1990s, standard lighting installations have been "yellow" High Pressure Sodium (HPS) lamps. HPS lamps typically have a five-year lifecycle, however, those in BWL's service territory are ten years overdue for replacement. As HPS lights degrade, they lose 60 percent of their original light output, while LEDs maintain their original brightness.

During the transition, when lights burnout and require maintenance, the BWL will replace them with LEDs until a system upgrade comes to the area.

Are there cost saving benefits?

LED fixtures consume 40 percent less energy and are more cost effective.

What are the advantages of LED Lighting?

White LED options are already available and are expected to increase in the future. The International Dark Sky Association (IDA) has developed a set of recommendations for those choosing lighting systems. These suggestions will help to select the lighting that's energy and cost efficient, but also ensures safety and security, protects wildlife and promotes the goal of dark night skies.

What recommendations will BWL follow from the IDA?

The BWL will consider:

- Choosing fully shielded fixtures that emit no light upward
- Using "warm-white" or filtered LEDs (CCT < 3000 K; S/P ratio < 1.2) to minimize blue emission
- Looking for products with adaptive controls like dimmers, timers and motion sensors
- Dimming or turning off the lights during overnight hours
- Avoiding over-lighting because of the higher luminous efficiency of LEDs
- Only lighting the exact space and in the amount required for particular tasks

The BWL is moving to a standardized color temp of 3000K across all fixtures that it owns and operates. Utilizing International Dark Sky Association's recommendation, all fixtures will carry an IDA seal of approval. More information can be found on www.darksky.org.