LED Streetlight Change Out Program

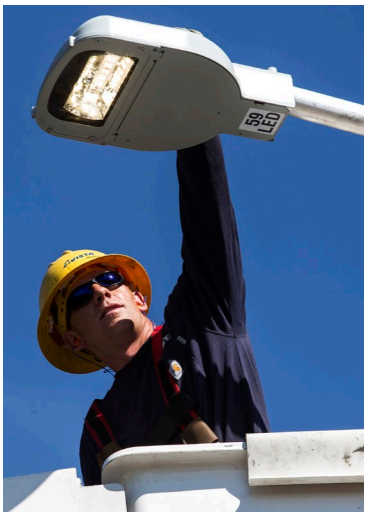

High Pressure Sodium Streetlights


LED Streetlights

Avista is launching a five-year program to replace nearly 30,000 company-owned streetlights in its service area with energy efficient LED (light-emitting diode) lights.

The program will begin systematically replacing 100- and 200-watt streetlights in Washington in 2015 and is expected to launch in Idaho in 2016. Current High Pressure Sodium (HPS) streetlights that burn out will be replaced with a LED streetlight. Avista-owned area lights and decorative streetlights are not included in the program at this time.

Updating to LED streetlights provides advantages to the public, customers and the environment as they use about 50 percent less energy than traditional HPS lights, while lasting 2-3 times longer and providing better light quality for motorists and pedestrians.



In addition to Avista's streetlight change out program, the company is also participating in Relight Washington, an offering of Washington state's Transportation Improvement Board (TIB). Through Relight Washington, funding is provided directly to small cities owning their own streetlights, helping them convert to LED lights and benefit from the energy saving technology. As part of the program, Avista will help administer a portion of the $6 million in statewide TIB grants that will help qualifying small cities with Avista-owned streetlights benefit from LED technology.

LED Streetlight Advantages

- **Energy efficient:** use about 50 percent less energy than current sodium lights.
- **Longer life:** LED streetlights last 2–3 times longer than today's sodium lights, improving reliability.
- **Better light quality:** white light provides more uniform light, improving nighttime visibility. LED streetlights do not produce ultraviolet light which attracts nocturnal insects.
- **Reduced maintenance cost:** durability and longer life require less maintenance.
- **Environmental impact:** contain no toxic materials like mercury, unlike traditional high-pressure sodium lamps or mercury-vapor lamps and are 100 percent recyclable. Longer life also helps reduce carbon emissions and costs through reduced service vehicle trips to maintain fixtures.

LED Streetlight Change Out Program Frequently Asked Questions

Why is Avista changing to LED streetlights?

The decision to replace Avista-owned streetlights with energy efficient LED lights was made after a thorough evaluation and testing over several years. The cost for LED streetlights has decreased in recent years, making them a cost-effective option that provides advantages to the public, customers and the environment as they use about 50 percent less energy than traditional High Pressure Sodium (HPS) lights, while lasting 2-3 times longer and providing better light quality for motorists and pedestrians.

By reducing the amount of power needed to illuminate company-owned streetlights, the amount of electricity generated or purchased will be reduced. This helps manage company operating costs and load growth. Additional savings will also come through reduced costs associated with maintaining older streetlights.

How much energy savings are expected as a result of the program?

When all of the nearly 30,000 100- and 200-watt streetlights are replaced with LED lights, the annual energy savings are estimated to be 3.1 megawatts each night. That's enough energy to power about 2,300 homes.

When will the streetlights in my neighborhood or city be changed?

Streetlights will be replaced systematically over five years and as existing HPS lights burn out. The annual schedule is available at www.avistautilities.com/streetlights.

If I have a streetlight account, can I decline the change to an LED?

As the transition is made to LED streetlights, Avista will no longer maintain an inventory of HPS lights. All Avista-owned streetlights will be changed to LED over the next five years.

Will cities with Avista-owned streetlights benefit from the energy savings of LEDs?

Cities with Avista-owned streetlights will immediately benefit from the better, more uniform light quality of LED lighting for residents, motorists and pedestrians. As the capital costs associated with LED streetlights continue to decrease to a level approaching the cost of existing streetlights, the lower maintenance costs and energy use should result in streetlight rates that are lower than their non-LED equivalent.

What is Relight Washington?

Washington state's Transportation Improvement Board (TIB) provides funding through its Relight Washington program to assist cities with a population of fewer than 5,000 benefit from LED streetlights.

Through the program, TIB will provide funding directly to small cities owning their streetlights, helping them convert to LED lights and benefit from the energy saving technology. As part of the program, Avista is helping administer a portion of the $6 million in statewide grants that will help qualifying small cities using Avista-owned streetlights benefit from LED technology.

For information on Relight Washington, visit the Transportation Improvement Board website at www.tib.wa.gov.

www.avistautilities.com/streetlights

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