

## Better Lighting, Lower Cost

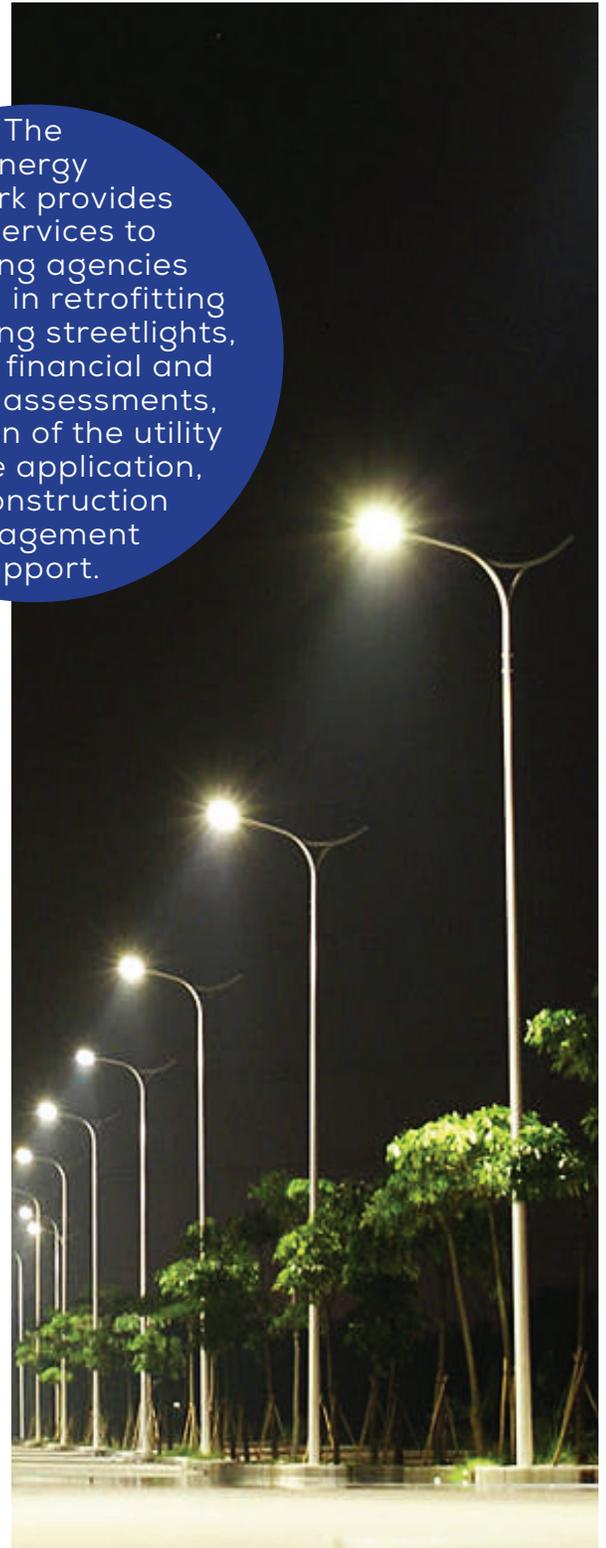
Most municipalities today use high-intensity (HID) light sources such as high-pressure sodium and metal halide lights to illuminate their streets. By replacing these antiquated technologies with more efficient and longer lasting light-emitting diode (LED) streetlights, municipalities can significantly decrease their utility and maintenance bills. LED streetlights also offer improved or equivalent light quality and distribution while using up to 70 percent less energy than HID lights.

In recent years, LED technology has gained recognition and acceptance as a proven and superior alternative to HID lights. LED lighting offers several advantages.

The Energy Network provides free services to qualifying agencies interested in retrofitting their existing streetlights, including financial and technical assessments, completion of the utility incentive application, and construction management support.

### Benefits of LED Streetlights

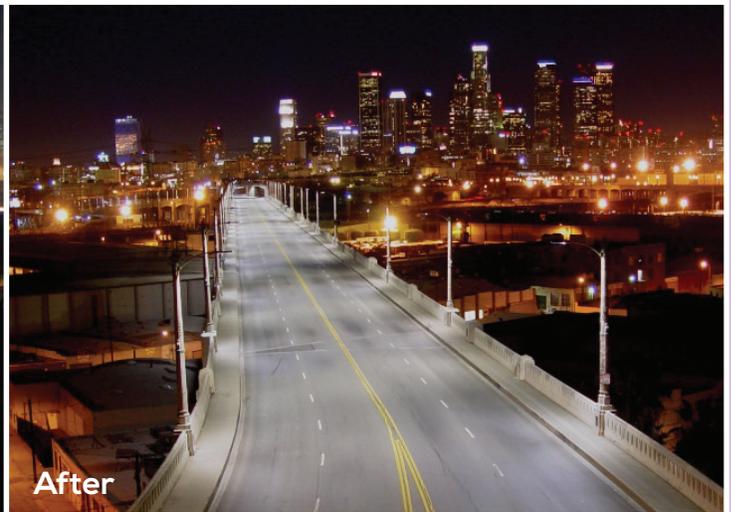
- ✓ **Reduced Energy Consumption** - 50 to 70 percent lower energy consumption.
- ✓ **Lower Maintenance Costs** - LED light sources last longer, requiring less frequent lamp replacements.
- ✓ **Improved Lighting** - Consistent, even distribution and directed lighting where it is needed most. Whiter light allows pedestrians and motorists to more accurately see colors.
- ✓ **Enhanced Controllability** - Instant on/off and light level adjustments make LED lights better suited for use with advanced lighting control systems.
- ✓ **Reduced Emissions** - Reduced energy consumption means less pollution.
- ✓ **Utility Rebates** - Municipalities that upgrade their streetlights to LED may qualify for lower utility rates as well as rebates.



## A Case Study: City of Los Angeles

In June of 2013, the City of Los Angeles completed an ambitious project to convert more than 140,000 high-pressure sodium streetlights to LED sources. Prior to 2009, the city's Bureau of Street Lighting's annual electricity bill totaled approximately \$15 million, or nearly 29 percent of the bureau's operating budget. As a result of the street lighting retrofit project, the city is achieving

63 percent energy savings, which translates to an annual savings of 106 gigawatt-hours of electricity and an annual reduction in carbon emissions of almost 50,000 metric tons. After seven years, the project will be paid off by energy and maintenance savings, and Los Angeles will begin to save \$10 million a year in energy and maintenance costs.



### The Energy Network Streetlight Program

The City of Los Angeles has its own electric utility and considerably more resources than most public agencies. But if your agency owns and maintains its streetlights in Southern California you may qualify for services from The Energy Network. We can help you upgrade to LED streetlights quickly and cost effectively. We can also help your agency apply for utility rebates. Our services are free and available for a limited time.

This program was created by the California Public Utilities Commission to help public agencies save energy. Our Turnkey Project Delivery process takes you from energy and technical assessments to project completion. The service includes an expedited procurement process that greatly reduces the time it takes to complete the project. Your agency pays for materials and installation, which can be financed using utility on-bill financing, energy project lease financing or other funding sources.

For more information and to learn whether your agency qualifies contact us at [info@theenergynetwork.com](mailto:info@theenergynetwork.com)

This Program is administered by the County of Los Angeles and funded by California utility ratepayers under the auspices of the California Public Utilities Commission.