



LED Roadway Lighting

Frequently Asked Questions

Q. Why is Georgia Power offering LED roadway lights?

A. Georgia Power has been offering LED outdoor area lighting as part of its product offering to customers since January 2012. Governmental customers began asking about LED for roadway applications approximately three years ago. Until 2015, the initial cost of the fixtures made it prohibitive to offer LED roadway alternatives to our customers. Technology improvements, coupled with market acceptance, resulted in lower pricing for LED roadway fixtures. Therefore, the economics are such that we can offer LED roadway fixtures at a comparable rate to what our customers currently pay for roadway lighting.

Q. What is the difference between the Outdoor Lighting Service Governmental schedule: OLG and the new Public Service Commission (PSC)-approved Roadway Lighting Governmental schedule: RLG?

A. The Outdoor Lighting Service Governmental schedule: OLG and the new PSC-approved Roadway Lighting Governmental schedule: RLG are both designed for roadway lighting requirements, including streets, alleys, highways, bridges and other public thoroughfares for federal, state or local government customers. They differ in that the OLG schedule is specific to ballast-operated vapor lamp fixtures such as mercury vapor (MV), high pressure sodium (HPS), or metal halide (MH), whereas the RLG schedule is specific to light-emitting diode (LED) fixtures.

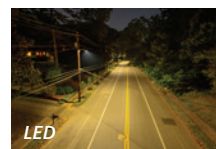
Q. Will you change out all the fixtures at one time?

A. Georgia Power began the project with a phased in conversion plan based on availability of competitively priced fixtures that met GPC specifications. Currently the LED Roadway Project is able to replace the various pole mounted fixture types, wattages and lumen outputs as outlined in the RLG Tariff. It is expected that the project will continue through 2020. Conversion to LED is initiated at the governmental customer's request.

Q. If a governmental customer wants to participate in the LED Roadway project, who do they contact?

A. Governmental customers that desire to be included in the LED Roadway project should contact Jerry Cook, LED Roadway Account Executive. Jerry will provide the customer with a Six-month Disconnect Notification form that must be signed in compliance with Georgia Power's Outdoor Lighting

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Governmental (OLG) tariff. Once the six-month time period has elapsed, the governmental customer will be included in the schedule for conversion. Scheduling will be managed on a first-request basis, taking into account the need to balance the conversions across the state.

To participate, contact:

Jerry Cook, LED Roadway Account Executive

770-621-2415 (office)

404-863-1418 (Cell)

jecook@southernco.com

Q. Once Georgia Power begins, how long will it take to complete the installation?

- A. The length of time to complete the conversion will vary depending on the total number of customers on the schedule, quantity of lights to be converted to LED, and resources available (engineering, materials, and contractors).

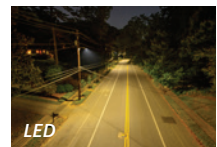
Q. What are the benefits of LED lighting?

- A. There are many benefits to LED roadway lights:
- Broad spectrum warm white light (the eye sees better!)
 - Improved color rendering
 - Improved small-target visibility
 - Uniformity
 - Cut-off fixtures reduce/eliminate sky glow and light trespass
 - Energy efficient
 - Long life expectancy of fixtures
 - No hazardous materials
 - Designed to work with networked lighting controls

Q. What are Networked Lighting Controls (NLC)?

- A. Each LED roadway fixture will have a networked lighting control installed. Features of the networked lighting control include:
- Turn on at dusk, turn off at dawn
 - Metering of energy consumption
 - Remote monitoring and diagnostics

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- GPS location
- Fixture data
- Dimming/scheduling

Information about the energy consumption, fixture performance, etc., is captured through the networked lighting control and transmitted to our central management system.

Q. Will changing to the LED roadway lights cost customers more?

- A.** Customers will not incur any up-front or out-of-pocket costs to have their current roadway lights changed to LED. Their total monthly billing for the LED lighting under the Roadway Lighting Governmental (RLG) rate and the Energy for Outdoor Lighting Service (EOL) rate will be similar to the charges currently billed under the Outdoor Lighting Service Governmental (OLG) rate and EOL rate. The new total monthly billing may vary from current billing depending on the numbers and wattage of the lights being replaced with LED lights. The monthly bill will reflect an increase in the equipment lease and maintenance charge and a decrease in the regulated energy usage charge.

Q. Will the LED Roadway bill format look different?

- A.** Yes. New accounts will be established for LED roadway lights. There will be some nomenclature changes on the bills reflecting how the new LED lights are described (different from current HID lighting descriptions). Until all conversions are complete for a customer, the customer will receive a bill for the LED roadway lights installed and for the HID lights not yet converted to LED. New LED Roadway lighting accounts can easily be added to existing summary bill accounts.

Q. What happens if these new LED lights go out? Who do I call?

- A.** One of the benefits of networked lighting controls is remote monitoring and diagnostics. Georgia Power will know if a light is not working properly and, in most cases, have the light repaired before the customer even notices that the light is out. However, in those instances where a customer does need to report a light out, it can be done by one of the following methods:
- Call Customer Service at 1-888-660-5890
 - Go to outdoorlighting.georgiapower.com
Click on "Report a Street Light Outage"

