

South Kentucky RECC

Responses to 2ND Email from PSC Staff related to LED Lighting

1. In response to Staff's e-mail questions, South Kentucky's states as follows: "The Street Lighting Tariff applies to Cities and Townships. It is our desire to convert all of the fixtures within these areas to the energy efficient LED fixtures."

- a. Explain whether South Kentucky intends to convert existing current STL lights to the new LED light whether or not there is a need for a conversion. If yes, what is South Kentucky's time schedule for performing the conversions and has South Kentucky provided notice to customers of the planned conversion? If no, provide South Kentucky plans "to convert all of the fixtures" to the LED fixtures.

We plan to convert the lights as maintenance issues occur with the light or if the customer makes a special request. We anticipate that our Street Lights will need to be uniform in illumination appearance which may cause expedited replacement, if requested by cities and townships.

- b. State whether South Kentucky plans to continue offering non-LED lights for new installations? If no, explain why South Kentucky is not proposing tariff language setting forth this restriction.

No, LED lights will be utilized for the new installation. South Kentucky included language in the STL Tariff under Conditions of Service #4 as follows:

"Since the seller intends to eventually provide only LED lighting fixtures, mercury vapor and sodium will be used only until present supply is exhausted or until the existing lighting configuration is retired."

- 2a. State whether it is South Kentucky's intent to convert current DSTL and OL lights to the new LED light whether or not there is a need for a conversion. If yes, what is South Kentucky's time schedule for performing the conversions and has South Kentucky has provided notice to customers of the planned conversion?

The DSTL and OL tariffs have several lighting offerings.

When an "Open Bottom" fixture or a 250 and 400 Watt Directional Flood Light fails on the OL tariff it will be replaced with a new LED fixture; however, there is not a suitable replacement for the 1,000 Watt Directional Flood Lights currently. South Kentucky addresses this under the Conditions of Service in item #7 in the OL tariff.

On the DSTL tariff we will be replacing the Cobra Head fixture with an LED when the light fails or when the customer requests a Cobra Head fixture. The DSTL has several fixtures for which there are no equivalent LED fixtures available at this time.

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- b. State whether South Kentucky plans to continue offering non-LED lights for new installations for the DSTL and OL tariffs? If no, explain why South Kentucky is not proposing tariff language setting forth this restriction.

For lights supported by the OL tariff, we did utilize the following statement in the OL tariff in Item #7.

“Since the seller intends to eventually provide only LED lighting fixtures, mercury vapor, sodium and metal halide will be used only until present supply is exhausted or until the existing lighting configuration is retired.”

South Kentucky will only be offering LED lights on the cobra head fixture on the DSTL tariff. We will offer non-LED lights on other fixtures where there is no LED equivalent available. If a LED equivalent becomes available we will be filing the appropriate tariff change.