

KU/LED Streetlight Collaborative Update



**Presented to the LFUCG Environmental Quality &
Public Works Committee - October 22, 2019**



History of Partnership – LED Streetlights

Three LED pilot projects initiated by KU in Lexington from 2011-2012

- Triangle Park, Thoroughbred Park, and Phoenix Park
- Total of 47 fixtures and 27 poles installed
- Total project cost of \$45,910
- All assets were transferred from KU to LFUCG one year after final construction

LED Collaborative

- Mutually agreed-upon provision in a Stipulation and Recommendation during the 2016 rate review, approved by KPSC order in June 2017
 - *"... to discuss issues related to LED lighting to determine what LED street lighting equipment and rate structures might be offered by the Utilities...."*
- Participants were the Attorney General, LFUCG, Metro Louisville, Kentucky Office of Energy Policy, and Kentucky School Board Association
- Three LED Collaborative sessions held between December 2017 and March 2018 for participants to express needs and concerns
 - Pricing issues
 - Expand LED offerings
 - Large-scale conversions
- In September 2018, KU requested authority to expand LED offerings and reduce then-current LED rates

LED Streetlight Offerings

- KU introduced eight LED offerings in 2016
 - Restricted some metal-halide offerings and eliminated spot replacements for Mercury Vapor and Incandescent light types
- In 2018, KU introduced 16 additional LED offerings for a total of 24 LED offerings
 - Lowered overall cost of LED offerings
 - Option to replace functioning non-LED lights with LED lights at Customer's request
 - All non-LED lights* moved to restricted tariffs

*Victorian fixtures were not restricted since there are currently no LED-equivalents available

Progress Update - LED lights in Lexington

- KU and LFUCG staff meet monthly to discuss lighting and other issues
 - On-going discussion and opportunity for Lexington's issues and concerns to be heard
- Collaborating to streamline processes for larger scale conversions
- Working together to identify opportunities to expedite conversion to LED streetlights

Thank you

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