

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the matter of The Empire District)
Electric Company of Joplin, Missouri for)
Authority to File Tariffs Increasing Rates)
for Electric Service Provided to)
Customers in the Missouri Service Area of)
the Company.)

File No. ER-2012-0345

NOTICE OF LED REPORT

COMES NOW The Empire District Electric Company (“Empire” or “Company”), by and through counsel, and submits its report regarding the LED Street Lighting Pilot. In this regard, Empire respectfully states as follows to the Missouri Public Service Commission (“Commission”):

1. As part of the resolution of Empire’s 2012 rate case proceeding, Empire agreed to conduct a Light Emitting Diode (“LED”) Street Lighting Pilot (the “Pilot”). The Pilot was to study the overall suitability, feasibility, and community acceptance of LED street light fixtures versus existing High-Intensity Discharge (“HID”) street light fixtures.

2. The Pilot, which was limited to five particular locations within Empire’s Missouri service territory, had an initial time frame of three years, beginning in August of 2014. The Pilot met the goals as set out in the Commission-approved tariff, and a detailed report regarding the Pilot is attached hereto.

3. The communities served by the Pilot preferred the LED fixtures over the HPS fixtures and confirmed that the LED lights provide better uniformity and quality of light on roadway surfaces, while limiting glare and the unintended spill of light. These benefits provide comfort and safety to motorists in low natural light driving conditions.

4. In addition to the benefits identified by the participating communities, Empire notes that there is a concern regarding the ability to continue to provide maintenance of current Series Street Lighting systems. Except for Joplin, Missouri, Empire has systematically replaced the Series Street Lighting systems with HPS systems within its service territory. Empire is now experiencing a critical issue with obtaining the maintenance parts. Further, over the course of the Pilot, Empire heard from various community leaders within its service territory that they are interested in converting their current street lighting systems to the more energy-efficient LED streetlights.

5. Given the results of the Pilot, Empire would like to implement a LED street lighting tariff. Empire intends to work with the Staff of the Commission and the Office of the Public Counsel regarding the design of the tariff and the timing of its implementation.

WHEREFORE, Empire respectfully submits its report regarding the LED Street Lighting Pilot previously authorized herein.

BRYDON, SWEARENGEN & ENGLAND, P.C.

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CERTIFICATE OF SERVICE

I hereby certify that the foregoing document was filed in EFIS on this 12th day of March, 2018, with notification sent to all parties.

/s/ Diana C. Carter