



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: September 3, 2019

Re: Streetlight Requests

Executive Summary

The staff Street Lighting Committee, which is comprised of staff from the City's Water & Light Department, Public Works Department, Office of Neighborhood Services, Police, and Office of Sustainability, has received four requests for additional streetlights.

- 1) Additional lighting along Old Plank Road, specifically between Forum Blvd. and Glasgow Drive.
- 2) Additional lighting along North Oakland Gravel Road.
- 3) Additional lighting in the area around Whitegate Drive.
- 4) Additional lighting along North Grace Lane.
- 5) Additional lighting along Smarr Court.

The staff Street Lighting Committee has reviewed these requests and recommends the following:

- 1) Installing 1 additional streetlight along Old Plank Road at the intersection of Old Plank and Glasgow Drive as shown in Exhibit A.
- 2) Installing 1 additional streetlight along North Oakland Gravel Road as shown in Exhibit B.
- 3) Replacing 11 existing mercury vapor streetlights and dusk to dawn lights in the area around Whitegate Drive as shown in Exhibit C.
- 4) Installing 1 additional streetlight along North Grace Lane as shown in Exhibit D.
- 5) Installing 1 additional streetlight along Smarr Court as shown in Exhibit E.

Discussion

A request for additional lighting along Old Plank Road, specifically between Forum Blvd. and Glasgow Drive, has been received. After review, it has been determined that Old Plank



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Road is not lit in accordance with Chapter 27-149 of the City's code of Ordinances in regards to street lighting along residential streets. Chapter 27-149 requires lighting to be installed at each intersection. The streetlight committee recommends the installation of 1 additional streetlight at the intersection of Old Plank and Glasgow Drive as shown in Exhibit A. The requested streetlight is located within Boone Electric Cooperative's service territory. The streetlight is proposed to be a 250 watt high pressure sodium luminaire mounted on a streetlight standard. Reoccurring costs would be \$30.59 per month per light or \$367 annually.

A request for additional lighting along North Oakland Gravel Road has been received. After review, it has been determined that North Oakland Gravel Road is not consistently lit. The streetlight committee recommends the installation of 1 additional streetlight along North Oakland Gravel Road to improve lighting consistently as shown in Exhibit B. The requested streetlight is located within Boone Electric Cooperative's service territory. The streetlight is proposed to be a 250 watt high pressure sodium luminaire mounted on an existing utility pole. Reoccurring costs would be \$30.59 per month per light or \$367 annually.

A request for increased lighting in the area around Whitegate Drive has been received. After review, it has been determined that the area around Whitegate Drive is currently lit consistent with Chapter 27-149 of the City's code of Ordinances in regards to street lighting along residential streets. To satisfy the requests for additional lighting, the streetlight committee recommends replacing 11 existing mercury vapor streetlights and dusk to dawn lights in the area around Whitegate Drive as shown in Exhibit C. The mercury vapor lights less than 175 watts will be replaced with 57 watt LEDs with full cutoff. The mercury vapor lights greater than 175 watts will be replaced with 213 watt LEDs with full cutoff. The estimated cost for to install these lights is \$13,200 and will be constructed as part of the annual Capital Improvement Project (CIP) E0182 Mercury Vapor Streetlight Replacement for which funds have already been appropriated.

A request for additional lighting along North Grace Lane has been received. After review, it has been determined that North Grace Lane is currently lit consistent with Chapter 27-149 of the City's code of Ordinances in regards to street lighting along residential streets. To satisfy the requests for additional lighting, the streetlight committee recommends Installing 1 additional streetlight along North Grace Lane as shown in Exhibit D. The requested streetlight is located within Boone Electric Cooperative's service territory. The streetlight is proposed to be a 250 watt high pressure sodium luminaire mounted on an existing utility pole. Reoccurring costs would be \$30.59 per month per light or \$367 annually.

A request for additional lighting along Smarr Court has been received. After review, it has been determined that Smarr Court is currently lit consistent with Chapter 27-149 of the City's code of Ordinances in regards to street lighting along residential streets. To satisfy the requests for additional lighting, the streetlight committee recommends Installing 1 additional streetlight along Smarr Court as shown in Exhibit E. The streetlight is proposed to be a 57 watt LED luminaire mounted on an existing utility pole. The estimated cost for to install this light is \$500 and will be constructed as part of the annual Capital Improvement Project (CIP) E0052 Street Light Additions for which funds have already been appropriated.



Fiscal Impact

Short-Term Impact: The cost to replace the mercury vapor streetlights and dusk to dawn lights is \$13,200 to be charged to (CIP) E0182. The cost to add an additional LED streetlight is \$500.

Long-Term Impact: The ongoing cost of the proposed streetlights within the Water & Light Service Territory is shared among all electric ratepayers. The ongoing cost of the proposed streetlights within the Boone Electric Service Territory is \$1,101 annually.

Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

[Comprehensive Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

Legislative History

Date	Action
None	None

Suggested Council Action

Staff recommends Council adopt a resolution for the installation of streetlights as described above.