



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: August 21, 2017

Re: Streetlight requests for East Nifong Boulevard, Ridgeview Drive, Highview Avenue, Opal Drive and Iris Drive

Executive Summary

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

- 1) Installation of streetlights along East Nifong Boulevard between Southland Drive and State Farm Parkway.
- 2) Installation of a streetlight at the intersection of Ridgeview Drive & Vawter School Road.
- 3) Installation of additional streetlights along Highview Avenue.
- 4) Installation of a streetlight at the intersection of Wyatt Lane and Opal Drive
- 5) Installation of a streetlight along Iris Drive between Primrose Drive and Lilac Drive

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

- 1) Approving the request for additional streetlights by installing 1 streetlight at the intersection of Southland Drive and East Nifong Boulevard and upgrading the streetlight at the intersection of State Farm Parkway and East Nifong Boulevard.
- 2) Approving the request for installation of 1 streetlight at the intersection of Ridgeview Drive & Vawter School Road and installation of 1 streetlight at the intersection of Foxcreek Way & Vawter School Road.
- 3) Approving an upgrade of the existing streetlights along Highview Avenue.
- 4) Approving the request for installation of 1 streetlight at the intersection of Wyatt Lane and Opal Drive.
- 5) Approving the request for installation of 1 streetlight along Iris Drive between Primrose Drive and Lilac Drive.

Discussion

A request for additional lighting along East Nifong Boulevard between Southland Drive and State Farm Parkway has been received. After review, it has been determined that the intersection of Southland Drive and East Nifong Boulevard 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 along residential streets. The streetlight committee recommends that an additional streetlight be installed at the intersection of Southland Drive and East Nifong Boulevard as shown in Exhibit A. The



City of Columbia

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streetlight committee also recommends upgrading the existing streetlight at the intersection of East Nifong Boulevard and State Farm Parkway. The streetlights are proposed to be 200 watt LEDs with full cutoff.

A request for additional lighting at the intersection of Ridgeview Drive & Vawter School Road and at the intersection of Foxcreek Way & Vawter School Road has been received. After review, it has been determined that these intersections are 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 of the City's code of Ordinances requires street lights on residential streets to be placed at each intersection as shown in Exhibit B. The Street Lighting Committee recommends installing a single streetlight at each of the intersections as requested. The requested street lights are located within Boone Electric Service Territory. The streetlights would be a 250 watt High Pressure Sodium lamp with full cutoff, with mounting arms at 35 ft mounting heights. Reoccurring costs would be \$30.39 per month per light or \$730 annually.

A request for additional lighting along Highview Avenue has been received. After review, it has been determined that Highview Avenue is currently lit consistent with Chapter 27-149 of the City's code of Ordinances in regards to street lighting along residential streets as shown in Exhibit C. The streetlight committee does not recommend the installation of additional lighting along Highview Avenue to maintain consistency with Chapter 27-149 of the City's code of Ordinances. The streetlight committee does recommend that the existing as shown in Exhibit C lighting be upgraded to be 57 watt LED with full cutoff to improve light levels.

A request for additional lighting at the intersection of Wyatt Lane and Opal Drive has been received. After review, it has been determined that the intersection of Wyatt Lane and Opal Drive 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 along residential streets. The streetlight committee recommends that an additional streetlight be installed at the intersection of Wyatt Lane and Opal Drive as shown in Exhibit D. The streetlight is proposed to be a 200 watt LED with full cutoff.

A request for additional lighting along Iris Drive between Primrose Drive and Lilac Drive has been received along with a petition from residents on Iris Drive Exhibit E. After review, it has been determined that the lighting along Iris Drive between Primrose Drive and Lilac Drive 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 intervals not to exceed four hundred (400) feet. The streetlight committee recommends that an additional streetlight be installed at 2009 Iris Drive as shown in Exhibit F. The streetlight is proposed to be a 38 watt LED decorative post top luminaire mounted on a black standard.



Fiscal Impact

Short-Term Impact: The cost of the proposed streetlights within the Water & Light Service Territory is shared among all ratepayers. The cost of the proposed streetlights within Boone Electric Service Territory is \$30.39 per month per light or \$730 annually.

Long-Term Impact: The cost of the proposed streetlights within the Water & Light Service Territory is shared among all ratepayers. The cost of the proposed streetlights within Boone Electric Service Territory is \$30.39 per month per light or \$730 annually.

Strategic & Comprehensive Plan Impacts

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.