



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: November 19, 2018

Re: Streetlight requests

Executive Summary

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

- 1) Additional lighting at the west end of Smiley Lane.
- 2) Additional lighting at the intersection of Northshore Drive and La Rail Drive.
- 3) Increased lighting along Hinkson Ave between Logboat Brewery and Walt's Bike Shop.
- 4) Increased lighting along Arlington Street.

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

- 1) Installing 2 additional streetlights at the west end of Smiley Lane as shown in Exhibit A.
- 2) Installing 1 additional streetlight at the intersection of Northshore Drive and La Rail Drive as shown in Exhibit B.
- 3) Installing 1 additional streetlight along Hinkson Ave between Logboat Brewery and Walt's Bike Shop as shown in Exhibit C.
- 4) Upgrading the existing mercury vapor and high pressure sodium streetlights along Arlington Street as shown in Exhibit D.

Discussion

A request for additional lighting at the west end of Smiley Lane has been received. After review, it has been determined that the west end of Smiley Lane 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 Street Lighting Committee recommends the installation of 2 additional streetlights at the west end of Smiley Lane as shown in Exhibit A. The requested streetlights are located within Boone Electric Cooperative's service territory. The streetlights are proposed to be 250 watt high pressure sodium luminaires mounted on streetlight standards to match the existing lights in the area. Reoccurring costs would be \$30.59 per month per light or \$734 annually.

A request for additional lighting at the intersection of Northshore Drive and La Rail Drive has been received. After review, it has been determined that the lighting at the intersection of Northshore Drive and La Rail 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



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requires lighting to be installed at each intersection. The Street Lighting Committee recommends the installation of 1 additional streetlight at the intersection of Northshore Drive and La Rail Drive as shown in Exhibit B. The streetlight is proposed to be a 38 watt LED decorative post top luminaire mounted on a black standard. The estimated cost to install this light is \$1,800 and will be constructed as part of the annual Capital Improvement Project (CIP) E0052 Annual Street Light Additions for which funds have already been appropriated.

A request for increased lighting along Hinkson Ave between Logboat Brewery and Walt's Bike Shop has been received. After review, it has been determined that Hinkson Ave between Logboat Brewery and Walt's Bike Shop 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 increased lighting, the Street Lighting Committee recommends the installation of 1 additional streetlight as shown in Exhibit C as well as upgrading the 2 existing streetlights along Hinkson Ave between Logboat Brewery and Walt's Bike Shop. The lights are proposed to be 57 watt LEDs with full cutoff. The estimated cost to install these lights is \$2,500 and will be constructed as part of the annual Capital Improvement Project (CIP) E0052 Annual Street Light Additions for which funds have already been appropriated.

A request for increased lighting along Arlington Street has been received. After review, it has been determined that Arlington Street 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 request for additional lighting, the Street Lighting Committee recommends upgrading the 3 existing streetlights as shown in Exhibit D. The lights will be replaced with 213 watt LEDs with full cutoff. The estimated cost to install these lights is \$3,000 and will be constructed as part of the annual Capital Improvement Project (CIP) E0052 Annual Street Light Additions for which funds have already been appropriated.

Fiscal Impact

Short-Term Impact: The cost of the proposed streetlights is \$7,300 to be charged to (CIP) E0052.

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 \$734 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



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Legislative History

Date	Action
None	None

Suggested Council Action

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