



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: May 21, 2018

Re: Streetlight requests

Executive Summary

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

- 1) Additional lighting along Langham Drive.
- 2) Additional lighting at the end of Spring Cress Drive.
- 3) A street light at the entrance to Providence Hill apartments.
- 4) Additional lighting on Waterloo Drive and Windmill Court.

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

- 1) Installing 1 additional streetlight along Langham Drive as shown in Exhibit A.
- 2) Waiting to add additional lighting to when Spring Cress Drive either extends or terminates in a cul-de-sac.
- 3) Installing 3 additional streetlights, one each at the entrances to Providence Hill apartments as shown in Exhibit C.
- 4) Installing 2 additional streetlights and replacing the mercury vapor lights as shown in Exhibit D.

Discussion

A request for increased lighting along the 4200 block of Langham Drive has been received. After review, it has been determined that the 4200 block of Langham 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 would recommend the installation of 1 additional streetlight along the 4200 block of Langham Drive as shown in Exhibit A to produce a more uniform spacing. The requested street light is located within Boone Electric Cooperative's service territory. The streetlight is proposed to be a 100 watt high pressure sodium decorative post top luminaire mounted on a black standard. Reoccurring costs would be \$11.65 per month per light or \$140 annually.

A request for increased lighting at the end of Spring Cress Drive has been received. After review, it has been determined that Spring Cress Drive is currently lit consistent with Chapter 27-149 of the City's code of Ordinances in regards to street lighting along residential streets, see Exhibit B. The staff Street Lighting Committee recommends waiting to add additional lighting to when Spring Cress Drive either extends or terminates in a cul-de-sac. The street lights in this area are located within Boone Electric Cooperative's service territory.



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A request for increased lighting at the entrance to Providence Hill apartments near the building addressed 2557 has been received. After review, it has been determined that each of the entrances to Providence Hill apartments 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 intersections of roads. The streetlight committee recommends that 3 additional streetlights be installed as shown in Exhibit C. The streetlights are proposed to be 213 watt LEDs with full cutoff to improve light levels installed on the existing wood poles or new wood poles if needed. The estimated cost to install these lights is \$4,500 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 on Waterloo Drive and Windmill Court has been received. After review, it has been determined that the lighting on Waterloo Drive and Windmill Court 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 400 feet. The streetlight committee recommends that 2 additional streetlights be installed as shown in Exhibit D. The streetlights are proposed to be 213 watt LEDs with full cutoff to improve light levels installed on new wood poles. The estimated cost to install these lights is \$3000 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. The streetlight committee also recommends upgrading the 5 existing mercury vapor streetlights, also shown in Exhibit D. The mercury vapor lights will be replaced with 213 watt LEDs with full cutoff. The estimated cost for to install these lights is \$5,000 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.

Fiscal Impact

Short-Term Impact: The cost of the proposed streetlights within the Water & Light Service Territory are \$7,500 to be charged to (CIP) E0052 and \$5,000 to be charged to (CIP) E0182. The cost of the proposed streetlights within Boone Electric Service Territory is \$11.65 per month per light or \$140 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 \$11.65 per month per light or \$140 annually.

Strategic & Comprehensive Plan Impacts

[Strategic Plan Impacts:](#)

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



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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.