



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: February 20, 2017

Re: Street Light Requests

## Executive Summary

The staff 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 ten requests for street lights since its last meeting in October of 2016.

- 1) Texas Avenue CM Tracker 4135 additional lighting for the "Texas Dip"
- 2) Additional street light near 1431 Greensboro
- 3) Additional street light near 1607 Sylvan Lane
- 4) Additional street light near 2807 Mulberry Road
- 5) Additional street light near the intersection of Westwinds Drive and West Blvd
- 6) Additional street light at the end of cul-de-sac on Manhasset Drive
- 7) Hillsboro Drive CM Tracker 4140 additional lighting for the area
- 8) Additional street light on Thornbrook Parkway near new school
- 9) Additional Lighting for basketball court at the end of Edenton
- 10) Additional Lighting for West Forest Avenue

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

- 1) Installing one additional street light on the north side of Texas Avenue near the "Texas Dip".
- 2) No additional street lights are recommended on Greensboro.
- 3) No additional street lights are recommended on Sylvan Lane, however the committee recommends replacing 3 mercury vapor lights at the intersection of Whitegate Drive and Sylvan Lane with LED technology.
- 4) Installing one additional street light near 2807 Mulberry Lane.
- 5) Installing one additional street light near the intersection of Westwinds Drive and West Blvd.
- 6) No additional street lights are recommended at the end of cul-de-sac on Manhasset Drive.
- 7) No additional street lights are recommended in the area of Hillsboro Drive.
- 8) No additional street lights are recommended on Thornbrook Parkway near new school.
- 9) Installing two solar powered LED lights to illuminate the proposed basketball court at the end of Edenton.
- 10) No additional street lights are recommended on West Forest Avenue, however the committee recommends replacing the mercury vapor lights along West Forest Avenue with LED technology.

The estimated cost for the installation of the recommended lighting is \$10,900.



## Discussion

A request for an additional street light in the "Texas Dip" has been received as part of City Manager Tracker 4135. After review, it has been determined that area of the "Texas Dip" exceeds the distance requirements of Chapter 27-149 of the City's code of Ordinances in regards to street lighting along residential streets. The street light committee recommends installing one additional street light on the north side of Texas Avenue near the "Texas Dip" as shown in Exhibit A. The street light is proposed to be a 57 watt LED with full cutoff. The cost of installation is estimated to be \$1,500 to be charged to the Capital Project E0052, Street Light Additions.

A request for additional lighting near 1431 Greensboro has been received as part of the Strategic Plan Neighborhood Survey . After review, it has been determined that the neighborhood 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 B. The street light committee does not recommend the installation of additional lighting near 1431 Greensboro to maintain consistency with Chapter 27-149 of the City's code of Ordinances.

A request for additional lighting near 1607 Sylvan Lane has been received from a resident within the neighborhood. After review, it has been determined that the neighborhood 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 street light committee does not recommend the installation of additional lighting near 1607 Sylvan Lane to maintain consistency with Chapter 27-149 of the City's code of Ordinances, however the committee does recommend replacing the three mercury vapor lights at the intersection of Whitegate Drive and Sylvan Lane with LED technology. The replacement street lights are proposed to be 57 watt LEDs with full cutoff. The cost of installation is estimated to be \$900 to be charged to the Capital Project E0052, Street Light Additions.

A request for additional lighting near 2807 Mulberry Road has been received from a resident within the neighborhood. After review, it has been determined that the corner connecting Mulberry Road and Willowbrook Road is not lit in accordance with 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 exceeding four hundred feet along residential streets. The street light committee recommends that an additional street light be installed near 2807 Mulberry Road as shown in Exhibit D. The street light is proposed to be a 57 watt LED with full cutoff. The cost of installation is estimated to be \$300 to be charged to the Capital Project E0052, Street Light Additions.

A request for additional lighting near the intersection of Westwinds Drive and West Boulevard has been received from a resident within the neighborhood. After review, it has been determined that the corner near the intersection of Westwinds Drive and West Boulevard is not lit in accordance with 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 all



# City of Columbia

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intersections along residential streets. The street light committee recommends that an additional street light be installed near the intersection of Westwinds Drive and West Blvd as shown in Exhibit E. The street light is proposed to be a 57 watt LED with full cutoff. The cost of installation is estimated to be \$300 to be charged to the Capital Project E0052, Street Light Additions.

A request for additional lighting at the end of cul-de-sac on Manhasset Drive has been received from Parks and Recreation. After review, it has been determined that the neighborhood 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 F. The street light committee does not recommend the installation of additional lighting at the end of cul-de-sac on Manhasset Drive to maintain consistency with Chapter 27-149 of the City's code of Ordinances.

A request for a lighting review of Hillsboro Drive has been received as part of City Manager Tracker 4140. After review, it has been determined that the neighborhood 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 G. The street light committee does not recommend the installation of additional lighting on Hillsboro Drive to maintain consistency with Chapter 27-149 of the City's code of Ordinances.

A request for additional lighting on Thornbrook Parkway near new school has been received from a resident within the neighborhood. After review, it has been determined that the neighborhood 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 H. The street light committee does not recommend the installation of additional lighting on Thornbrook Parkway near new school to maintain consistency with Chapter 27-149 of the City's code of Ordinances.

A request for lighting a temporary basketball court at the end of Edenton has been received. After review, it has been determined that the end of Edenton is outside of Water & Light's electric service territory. Water & Light has coordinated with Boone Electric for the temporary installation of lighting for the basketball court. It is proposed that solar powered lights be installed at this location. This will eliminate the need to install permanent electric facilities for the basketball court. The location of the solar lights is as proposed in Exhibit I. The cost of installation is estimated to be \$7,000 to be charged to the Capital Project E0052, Streetlight Additions.

A request for additional lighting on West Forest Avenue has been received. After review, it has been determined that the neighborhood 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 J. The street light committee does not recommend the installation of additional lighting on West Forest Avenue to maintain consistency with Chapter 27-149 of the City's code of Ordinances; however the committee does recommend replacing the three mercury vapor lights along the east side of West Forest Avenue. The replacement street



lights are proposed to be 57 watt LEDs with full cutoff. The cost of installation is estimated to be \$900 to be charged to the Capital Project E0052, Street Light Additions.

## Fiscal Impact

Short-Term Impact: The estimated cost for the installation of the recommended lighting is \$10,900.

Long-Term Impact: Streetlighting within Water and Light's electric service territory is currently incorporated into the electric rates of its customers.

## Vision & Strategic Plan Impact

### Vision Impacts:

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

### Strategic Plan:

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

### Comprehensive Plan Impacts:

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

## Legislative History

Date	Action
None	

## Suggested Council Action

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