



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: November 21, 2022

Re: Authorizing the installation of street lights at the intersections of Garden Drive and Lilac Drive, Raleigh Drive and Edenton Boulevard, Baseline Place and Copper Mountain Drive, Baseline Place and Clearview Drive, Tanzanite Drive and Mexico Gravel Road and at 3200 Rock Quarry Road.

Executive Summary

Staff has prepared for Council consideration a resolution recommending the installation of additional streetlights. The 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, met for their quarterly meeting on September 12, 2022 to discuss seven (7) individual requests for additional streetlights. After reviewing these requests, the committee is recommending approval of six (6) of these requests for additional street lighting.

Discussion

A request for additional lighting at the intersection of Garden Drive and Lilac Drive has been received. After review, it has been determined that this intersection is inadequately lit and that additional street lighting is warranted. The streetlight committee recommends that an additional 1-square LED street light be added at the intersection as shown in Exhibit 1. The estimated cost of this improvement is \$3500 and will be paid with funds appropriated in Capital Project E0052 for street light additions.

A request for additional lighting at the intersection of Raleigh Drive and Edenton Boulevard has been received. After review, it has been determined that this intersection is inadequately lit and that additional street lighting is warranted. The streetlight committee recommends that an additional post top street light be added at this intersection as shown in Exhibit 2. This intersection is in Boone Electric's service territory so the improvement will be funded by Boone Electric and charged back to the city at a monthly rate of \$12.25 per light.

A request for additional lighting at the intersection of Baseline Place and Copper Mountain Drive has been received. After review, it has been determined that this intersection is inadequately lit and that additional street lighting is warranted. The streetlight committee recommends that two additional post top street lights be installed on Baseline Place at the intersection of Copper Mountain Drive and at the intersection with Clearview Drive as shown in Exhibit 3. These intersections are in Boone Electric's service territory so the improvement will be funded by Boone Electric and charged back to the city at a monthly rate of \$12.25 per light.



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A request for additional lighting at the intersection of Tanzanite Drive and Mexico Gravel Road has been received. After review, it has been determined that this intersection is inadequately lit and that additional street lighting is warranted. The streetlight committee recommends that an additional 4-square LED street light be added at the intersection as shown in Exhibit 4. The estimated cost of this improvement is \$6500 and will be paid with funds appropriated in Capital Project E0052 for street light additions.

A request for additional lighting at the entrance to an apartment complex at 3200 Rock Quarry Road has been received. After review, it has been determined that this intersection is inadequately lit and that additional street lighting is warranted. The streetlight committee recommends that an additional 4-square LED street light be added at the intersection as shown in Exhibit 5. The estimated cost of this improvement is \$6500 and will be paid with funds appropriated in Capital Project E0052 for street light additions.

Fiscal Impact

Short-Term Impact: \$16,500 will be funded from Capital Project E0052 for street light additions.
Long-Term Impact: Charges for lights installed in the Boone Electric service area will be approximately \$441 annually

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Safe Neighborhoods, 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 |
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| 01/03/2022 | R3-22 Authorizing the installation of street lights on Burnham Road and Ridgeley Road within the Grasslands Subdivision. |
| 01/04/2021 | R4-21 Authorizing the installation of street lights on Yiotis Way, Chrissula Lane, Azoros Drive and Fay Street; authorizing staff to proceed with the preliminary design and cost estimates associated with the proposed installation of street lights on Clark Lane and Waco Road; directing that a public hearing be held upon completion of the preliminary plans. |
| 07/06/2020 | R84-20 Authorizing the installation of street lights on the west side of Edenton Boulevard, north of International Drive. |
| 11/18/2019 | R164-19 Authorizing the installation of a street light on the west side of Apple Tree Court. |



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| 09/03/2019 | R126-19 Authorizing the installation of street lights on Old Plank Road, Oakland Gravel Road, Grace Lane and Smarr Court; authorizing the upgrade of street lights in the area around Whitegate Drive and Sivan Lane. |
| 03/04/2019 | R35-19 Authorizing the installation of street lights on Woodrow Street, Rice Road and Belinda Court; authorizing the upgrade of street lights on a portion of Rice Road. |
| 11/19/2018 | R177-18 Authorizing the installation of street lights on Smiley Lane, La Rail Drive and Hinkson Avenue, and authorizing the upgrade of street lights on Hinkson Avenue and Arlington Street. |

Suggested Council Action

Approval of the Resolution.