



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: November 20, 2023

Re: Authorizing the installation of street lights at 419 Parkade Avenue, on the cul-de-sac of Dartmouth off of College Park Drive, at the intersection of West Green Meadows Road and Eastham Drive, and along Hanover Boulevard in association with a planned traffic calming project.

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 Utilities and Public Works Departments, Office of Neighborhood Services, Police, and Office of Sustainability, met for their quarterly meeting on September 11, 2023 to discuss eight (8) individual requests for additional streetlights. After reviewing these requests, the committee is recommending approval of four (4) of these requests for additional street lighting.

Discussion

The Street Lighting Committee, received eight requests for additional streetlights. After evaluation, the staff of the Street Lighting Committee recommends four street lighting additions.

A request for additional lighting near 419 Parkade Boulevard was reviewed. It has been determined the pole at this location was recently replaced and the existing streetlight was not reinstalled. The streetlight committee recommends the replacement of the previously existing light with a 1-square LED as shown in Exhibit 1 of the Project Graphics. The estimated cost to install this light is \$800 and will be funded from the annual Capital Improvement Project (CIP) E0052 for Annual Street Light Additions for which funds have already been appropriated.

A request for additional lighting on the cul-de-sac of Dartmouth off of College Park Drive was reviewed. It has been determined that the lighting Dartmouth is not in accordance with Chapter 27-149 of the City's code of Ordinances in regards to street lighting along residential streets. The streetlight committee recommends the installation of 1 additional streetlight on the cul-de-sac of Dartmouth as shown in Exhibit 2 of the Project Graphics. The streetlight is proposed to be a decorative LED post top luminaire mounted on a black standard. The estimated cost to install this light is \$2,800 and will be constructed as part of the annual Capital Improvement Project (CIP) E0052 for Annual Street Light Additions for which funds have already been appropriated.

A request for additional lighting at the intersection of W. Green Meadows Road was reviewed. It has been determined that a barrier island installed on Eastham Drive at the intersection of W. Green Meadows Road is not adequately lit in and requires additional area



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lighting. The streetlight committee recommends the installation of 1 additional streetlight at the intersection of W. Green Meadows Road and Eastham Drive as shown in Exhibit 3 of the Project Graphics. The streetlight is proposed to be a 1-square LED mast arm mounted luminaire. The estimated cost to install this light is \$1,800 and will be constructed as part of the annual Capital Improvement Project (CIP) E0052 for Annual Street Light Additions for which funds have already been appropriated.

A request for additional lighting along Hanover Boulevard in association with a proposed traffic calming project was reviewed. It has been determined the previously designed lighting on Hanover Boulevard was not completed due to the lack of existing power source and that several streetlights were non-functional. The existing streetlights that were non-functional have been subsequently repaired. The streetlight committee recommends the addition of one mast arm mounted 4-square LED and one decorative LED post top luminaire be added along Hanover Boulevard as shown in Exhibit 4 of the Project Graphics. The estimated cost to install this light is \$4,500 and will be funded from the annual Capital Improvement Project (CIP) E0052 for Annual Street Light Additions for which funds have already been appropriated.

All other requests were reviewed by the committee and deemed in accordance with Chapter 27-149 of the City's code of Ordinances in regards to street lighting along residential streets.

Fiscal Impact

Short-Term Impact: The cost of the proposed streetlights is \$9,900 to be charged to Capital Project E0052 for street light additions.
Long-Term Impact: n/a

Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)

Primary Impact: Reliable and Sustainable Infrastructure, Secondary Impact: Safe Community, Tertiary Impact: Tertiary

[Comprehensive Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Secondary, Tertiary Impact: Tertiary

Legislative History

Date	Action
01/03/2022	R182-22 Authorizing the installation of street lights at the intersections of Lilac Drive and Garden Drive, Raleigh Drive and Edenton Boulevard, Baseline Place and Copper Mountain Drive/Clearview Drive, Mexico Gravel Road and Tanzanite Drive, and on Rock Quarry Road.



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01/04/2021	R3-22 Authorizing the installation of street lights on Burnham Road and Ridgeley Road within the Grasslands Subdivision.
07/06/2020	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.
11/18/2019	R84-20 Authorizing the installation of street lights on the west side of Edenton Boulevard, north of International Drive.
09/03/2019	R164-19 Authorizing the installation of a street light on the west side of Apple Tree Court.
03/04/2019	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.
11/19/2018	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. 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.