



# Cates Creek Outfall Upgrade

Capital Improvement Project (FY26-FY32)

## Priority Rank

4

## Category

Renovation, Remodel, or Replacement

## Project Description

Upsize the Cates Creek Outfall to address anticipated demand from current and anticipated growth.

## Project Justification

The Cates Creek Outfall is 3.4 miles long and was built in two phases. The upper reach, which discharges into the Elizabeth Brady Pumping Station was built in the mid-1990s. The lower portion, which is called Phase 2, was built in the early to mid-2000s when Waterstone began to develop. The entire line is the main pipeline in the Elizabeth Brady sewer basin.

Collection system modeling shows in the next ten years that the outfall will need to be monitored and upsized appropriately. While much newer than the River Pumping Station Eno River Interceptors, there is evidence of a wet weather response in the system. This schedule may need to be escalated however due to a recent inquiry about a significant development south of Waterstone Drive that was not accounted for in modeling, as well as the underestimation of demand proposals of sites that were accounted for. The scope and extent of the upsizing is currently unknown, but the proposed development, if it proceeds, would exceed the pipe capacity in some areas. Developers will be expected to cost share in necessary upgrades.

## Project Highlights

This request relates to the Elizabeth Brady Pumping Station and Force Main project as both will need to be investigated and upsized accordingly, either sooner or later depending on development pacing. If the project is not approved, development will be limited, and sanitary sewer overflows may occur as the system ages and starts to leak more.

### Funding Timeline:

- Preliminary Engineering: FY27 - \$200k & FY29 - \$200k
- Design/Permitting/Bidding: FY27 - \$800k & FY29 - \$800k
- Construction Administration: FY29 - \$400k & FY31 - \$420k
- Construction: FY29 - \$4.0M & FY31 - \$4.2M

\*\*\*Project is development driven and must be completed per the budgeted timeline.

## Project Expenditures

Cates Creek Outfall Upgrade (Expenditures)

Object	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Capital - Infrastructure	\$0	\$100,000	\$900,000	\$300,000	\$5,100,000	\$100,000	\$4,520,000
TOTAL	\$0	\$100,000	\$900,000	\$300,000	\$5,100,000	\$100,000	\$4,520,000

Object	2031-32	Total
Capital - Infrastructure	\$0	\$11,020,000
TOTAL	\$0	\$11,020,000

## Project Revenues

Cates Creek Outfall Upgrade (Revenues)

Object	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Debt Issuance Proceeds	\$0	\$0	\$0	\$0	\$4,400,000	\$0	\$4,320,000
Transfer From Water Fund	\$0	\$100,000	\$200,000	\$300,000	\$400,000	\$100,000	\$200,000
Miscellaneous	\$0	\$0	\$700,000	\$0	\$0	\$0	\$0
Sewer System Development Fees	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0
TOTAL	\$0	\$100,000	\$900,000	\$300,000	\$5,100,000	\$100,000	\$4,520,000

Object	2031-32	Total
Debt Issuance Proceeds	\$0	\$8,720,000
Transfer From Water Fund	\$0	\$1,300,000
Miscellaneous	\$0	\$700,000
Sewer System Development Fees	\$0	\$300,000
TOTAL	\$0	\$11,020,000

## Operating Budget Impact

Cates Creek Outfall Upgrade (Operating Impact)

Object	2024-25	2025-26	2026-27	2027-28	Total
Transfer To Fund 69 - Utility Capital Improvement Fund	\$0	\$100,000	\$200,000	\$300,000	\$600,000
TOTAL	\$0	\$100,000	\$200,000	\$300,000	\$600,000