



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: March 19, 2018

Re: Administrative Public Improvement Project – WWTP Interim Peak Flow and Storage Upgrades

Executive Summary

The Interim Peak Flow and Storage Upgrades are eligible for the administrative public improvement process. Unless the Council wishes to follow the standard public improvement process, staff will proceed with preparing plans and specifications and bidding the project.

Discussion

Under Section 22-72(c) of the City Code, the City Manager is required to report to the City Council any public improvement project that the Manager has determined meets the eligibility requirements of the Code and should follow the administrative public improvement process. Unless the Council determines that the project should follow the standard public improvement process, the Manager may proceed with the administrative process.

Sewer Utility plans to complete peak flow and storage upgrades to the Columbia Regional Wastewater Treatment Plant. Work will include installing a slide gate valve to control peak flows to the existing Inflow and Infiltration Basin during high flow events due to rainfall. Additionally, a 24-inch pipe will be installed between the Inflow and Infiltration Basin and the former Sludge Storage Lagoon. The former sludge storage lagoon will provide approximately 6 million gallons of additional storage for high flows due to rainfall. See the attached diagram. The existing 72-inch pipe capacity to the wetland treatment system from the mechanical treatment plant is not sufficient to convey design peak flows necessary to prevent sanitary sewer overflows in the collection system. The installation of the slide gate valve will allow for an increase in pumping capacity to approximately 100 million gallons per day. This increase in pumping capacity and the additional storage will allow operations staff the opportunity to more effectively manage peak flows resulting in a reduction in the number of sanitary sewer overflows from the collection system and the volume of wastewater discharged from the collection system during high flow events.

Staff proposes to utilize City forces and existing term and supply contracts previously bid through the Purchasing Division to complete this work.

The public improvements on the attached form meet the eligibility requirements for projects that can follow the administrative public improvement process. An Interested Parties Meeting was held on February 7, 2018 with no one outside of City staff in attendance.



Fiscal Impact

Short-Term Impact: The cost of the project is \$80,000 and will be paid for with funds in the Sewer Utility operations budget.

Long-Term Impact: None

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

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

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Environmental Management, Tertiary Impact: Tertiary

Legislative History

Date	Action
02/07/2018	IP meeting

Suggested Council Action

No action required unless the Council wishes to direct the City Manager to follow the standard public improvement process.