



AGENDA ITEM #: 22-28
COUNCIL MTG OF: March 1, 2022
FROM: M. Fowler, Public Works Director; T. Carrier, Deputy Public Works Director
OFFERED BY: M. Fowler, Public Works Director; T. Carrier, Deputy Public Works Director
PREPARED BY: M. Fowler, Public Works Director; T. Carrier, Deputy Public Works Director
SUBJECT: WWTP Main Influent Pump Station

STAFF REPORT
Public Hearing 3-15-22

PURPOSE

The purpose of this document is to request Council consideration and approval of a supplemental appropriation in the amount of \$471,000 and to apply for, accept and expend grant funds up to \$129,000 to make repairs to the Town's Wastewater Treatment Plant's Main Influent Pumping Station.

TOWN ADMINISTRATOR COMMENTS:

The Town Council is urged to support this initiative after the March 15, 2022 public hearing. Acceptance of these federal dollars will reduce the burden upon the ratepayers and complete this long planned critical infrastructure repairs and maintenance. The local share is funded through existing Wastewater Division fund balance.

BACKGROUND

The Town of Derry owns and operates a wastewater pumping station located at the intersection of Fordway and Transfer Lane. The pump station was constructed circa 1958 and receives all wastewater flow coming to the WWTF and pumps it approximately 2,000 feet to the wastewater treatment lagoons. Average daily flow through this station is 1.7 million gallons per day.

The influent pump station includes an electrical room and dry-pit with centrifugal pumps on one side, and a wet-pit with below-grade flow splitting channel and wetwell on the other side. Due to the harsh environment and the age of the building, the wet-pit area has significant corrosion and structural deterioration. The Town's engineers performed a technical evaluation and have made recommendations for necessary improvements.

DISCUSSION

The Main Pump Station is a critical piece of infrastructure. The pumps, motors, drives, and controls system contained therein have been regularly maintained but the building structure itself needs substantial repairs. Recommended structural improvements include new sluice gates, valves, doors, roof deck framing, louvers, ductwork, exhaust fan, lighting, and grating. Repairs to the interior and exterior concrete and brickwork as well as the roof membrane are also needed. To facilitate this work without impeding sewer flows, bypass pumping around the station will be needed during the work.

FISCAL IMPACT

The engineer's original cost estimate for this work as of October 2021 was \$550,000. The projected 2022 cost is now \$600,000. The Town was awarded a \$129,000 American Rescue Plan

Act grant toward this work. The deadline to submit the application for this grant is June 30, 2022. The remaining \$471,000 will be funded from Wastewater Fund balance.

RECOMMENDED ACTION BY COUNCIL

It is recommended that the Council authorize the recommended work and approve a supplemental appropriation in the amount of \$471,000. It is also recommended that the Council authorize the Town Administrator to apply for, accept and expend any eligible American Rescue Plan grant funding and authorize the Town Administrator to execute any related documentation.

SUGGESTED MOTION: Please see Resolution #2022-022.