

Project Number: WW002
Project Title: Springbrook UV Disinfection Installation
Department Name: Water/ Wastewater

Asset Type: Wastewater Utility
CIP Status: New
Project Category: Capital Upgrade

Budget Year: 2022
Category Code: A
Sector:

Project Purpose:

This project supports the City's goal of High Performing Government by maintaining the utility infrastructure.

Project Narrative:

This project involves the engineering design, IEPA permitting and construction of an ultraviolet light disinfection system for wastewater effluent from Springbrook Water Reclamation Center. Springbrook is required by IEPA to disinfect wastewater effluent prior to releasing it to the DuPage River. The existing disinfection system is currently a chlorination/de-chlorination system that is nearing the end of its useful life. UV disinfection was chosen as the preferred disinfection method. It has the lowest life-cycle cost, as well as the best non-cost score. This method does not involve shipping, storing or dosing of chemicals.

External Funding Sources Available:

None.

Projected Timetable:

Engineering: FY2022. Construction: FY2022 and FY2023.

Impact on Operating Budget:

No additional personnel; nominal operating and maintenance expenses anticipated.

Funding Source Summary

Funding Source	2022	2023	2024	2025	2026	Total Source
Water Utility	4,573,000	982,260	0	0	0	5,555,260
Totals	4,573,000	982,260	0	0	0	5,555,260

Project Cost Summary

Expense Category	2021 Budget	2022	2023	2024	2025	2026	Total CIP
Construction	0	4,173,000	982,260	0	0	0	5,155,260
Professional Services	0	400,000	0	0	0	0	400,000
Totals	0	4,573,000	982,260	0	0	0	5,555,260

