

Project Number: WU007
Project Title: Miscellaneous Waterworks Improvements
Department Name: Water/ Wastewater

Asset Type: Water Utility
CIP Status: No Change
Project Category: Capital Upgrade

Budget Year: 2020
Category Code: A
Sector: Various

Project Purpose:

This project supports the City's goal of High Performing Government as a demonstration of Naperville's commitment to provide essential services.

Project Narrative:

This project provides for the repair, replacement and rehabilitation of pumps, controls, electrical systems and other components of the city's Water Supply sites. FY2020 projects include Chlorine System improvements at South Waterworks.

External Funding Sources Available:

None

Projected Timetable:

Engineering and Construction planned annually through CY2024.

Impact on Operating Budget:

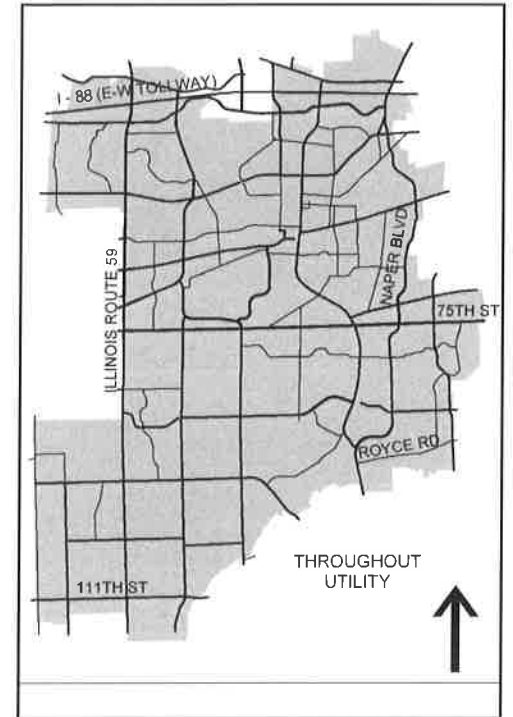
No additional personnel; nominal operating and maintenance expenses anticipated.

Funding Source Summary

Funding Source	2020	2021	2022	2023	2024	Total Source
Water Utility	1,000,000	2,150,000	950,000	900,000	900,000	5,900,001
Totals	1,000,000	2,150,000	950,000	900,000	900,000	5,900,001

Project Cost Summary

Expense Category	2019 Budget	2020	2021	2022	2023	2024	Total CIP
Construction	950,000	1,000,000	2,150,000	950,000	900,000	900,000	5,900,001
Totals	950,000	1,000,000	2,150,000	950,000	900,000	900,000	5,900,001



Project Number: WU029
Project Title: Emergency Standby Well Rehabilitation
Department Name: Water/ Wastewater

Asset Type: Water Utility
CIP Status: Recurring
Project Category: Capital Upgrade

Budget Year: 2020
Category Code: A
Sector: Various

Project Purpose:

This project supports the City's goal of Public Safety through ensuring an emergency water supply.

Project Narrative:

This project is for the rehabilitation of the City's 8 remaining emergency standby wells. The project includes replacement of old pumps and motors and associated electrical equipment, and rehabilitation of the well downhole including the removal of accumulated sand. Four of the eight wells have been rehabilitated.

External Funding Sources Available:

None

Projected Timetable:

Construction will be ongoing through CY2023 until all 8 emergency standby wells have been rehabilitated.

Impact on Operating Budget:

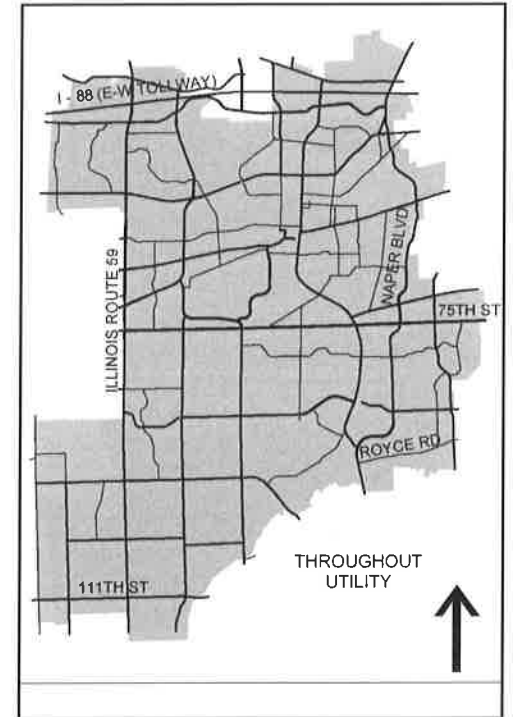
No new personnel; nominal operating and maintenance expenses anticipated.

Funding Source Summary

Funding Source	2020	2021	2022	2023	2024	Total Source
Water Utility	800,000	800,000	800,000	500,000	0	2,900,000
Totals	800,000	800,000	800,000	500,000	0	2,900,000

Project Cost Summary

Expense Category	2019 Budget	2020	2021	2022	2023	2024	Total CIP
Construction	1,100,000	800,000	800,000	800,000	500,000	0	2,900,000
Totals	1,100,000	800,000	800,000	800,000	500,000	0	2,900,000



Project Number: WW034
Project Title: Sanitary Sewer Lift Station Rehabilitation Program
Department Name: Water/ Wastewater

Asset Type: Wastewater Utility
CIP Status: No Change
Project Category: Capital Upgrade

Budget Year: 2020
Category Code: A
Sector: Various

Project Purpose:

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

Project Narrative:

This project will rehabilitate one of the City's 22 sanitary sewer lift stations annually which are in need of renewal due to a number of factors including age of existing pumps and controls and corrosion of some of the underground metal structures. Many of the pumps have reached the end of their projected lifespan and are becoming unreliable, and some of the lift station emergency generators are obsolete, with repair parts no longer available. This project will also provide for replacement of major components at lift stations that are not scheduled for complete rehabilitation, as well as ongoing SCADA upgrades.

External Funding Sources Available:

None

Projected Timetable:

This project will rehabilitate one lift station per fiscal year (will also fund SCADA upgrades at various pump stations as well as unplanned replacement of major components).

Impact on Operating Budget:

Ongoing routine maintenance costs will continue without significant change. This project will reduce the occurrence of unplanned repairs and increase pumping efficiency.

Funding Source Summary

Funding Source	2020	2021	2022	2023	2024	Total Source
Water Utility	640,000	400,000	325,000	325,000	325,000	2,015,001
Totals	640,000	400,000	325,000	325,000	325,000	2,015,001

Project Cost Summary

Expense Category	2019 Budget	2020	2021	2022	2023	2024	Total CIP
Construction	560,000	640,000	400,000	325,000	325,000	325,000	2,015,001
Totals	560,000	640,000	400,000	325,000	325,000	325,000	2,015,001

