

## CITY OF WAUKESHA, WISCONSIN

### 5-Year Community Investment Program 2018-2022

Department	WWTP
Dept. Head	Fred Abadi
Project Contact	Alex Damien
Useful Life	45 Years
Category	Wastewater Improvements
Priority	1 - MUST be done this year. Cannot defer.
<b>Total Project Cost \$ 33,170,000</b>	

<b>Project Name</b>	Sanitary Interceptor Projects
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**Description**  
Install gravity sanitary sewer interceptors to eliminate pump stations identified in the Sanitary Sewer Master Plan (2011) and Interceptor Sewer Cost Comparison Analysis (2012) and follow up studies as being feasible and cost effective to eliminate.

**Justification/ How does this Increase Service to Residents?**  
The City of Waukesha currently has forty (40) sanitary sewage pump stations. Pump stations and their associated force main require ongoing maintenance to ensure proper operation to prevent mechanical and electrical failures which can lead to Sanitary Sewer Overflows and backups. Typically the useful life of the mechanical and electrical components of a pump station is twenty (20) to twenty-five (25) years which then require costly upgrades. The Sanitary Sewer Master Plan and subsequent Interceptor Sewer Cost Comparison Analysis identified at least eight (8) of these stations could be feasibly and cost effectively eliminated or consolidated the installation of gravity sewers either directly to the Clean Water Plant (CWP) or consolidated with other pump stations. The elimination of pump stations improves the overall sanitary sewer system reliability and reduces operational costs.

Fund-Org.-Object-Project	Funding Sources	FY '18	FY '19	FY '20	FY '21	FY '22	Total
0603-7399-49110	20-yr Revenue Bonds	\$ -	\$ 750,000	\$ 14,000,000	\$ 4,000,000	\$ -	\$ 18,750,000
0603-7399-49140	Clean Water Fund Loan	\$ 14,420,000	\$ -	\$ -	\$ -	\$ -	\$ 14,420,000
<b>Total</b>		<b>\$ 14,420,000</b>	<b>\$ 750,000</b>	<b>\$ 14,000,000</b>	<b>\$ 4,000,000</b>	<b>\$ -</b>	<b>\$ 33,170,000</b>

Fund-Org.-Object-Project	Expenditures	FY '18	FY '19	FY '20	FY '21	FY '22	Total
0603-7399-68290-71440	CWP-Woodfield/Greenmeadow	\$ 14,420,000	\$ -	\$ -	\$ -	\$ -	\$ 14,420,000
0603-7399-68290-71440	Fox Point/Burr Oak/West Ave. Design	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ 750,000
0603-7399-68290-71440	Fox Point/Burr Oak/West Ave. Construction	\$ -	\$ -	\$ 14,000,000	\$ -	\$ -	\$ 14,000,000
0603-7399-68290-71440	West Side Consolidation	\$ -	\$ -	\$ -	\$ 4,000,000	\$ -	\$ 4,000,000
<b>Total</b>		<b>\$ 14,420,000</b>	<b>\$ 750,000</b>	<b>\$ 14,000,000</b>	<b>\$ 4,000,000</b>	<b>\$ -</b>	<b>\$ 33,170,000</b>

**Operational Impact/Other**  
Operational impact will be positive. Installation of interceptors eliminates several pump stations, some of which are major ones, which increases sewer system reliability by eliminating the electrical and mechanical components and force main which are prone to failure. The interceptors also reduce the number of times sewage is pumped, reducing the dependency of upstream stations on the downstream ones. Operational costs are also reduced due to the energy savings since sewage is transported more efficiently by gravity sewers.