

Fund: WATERWORKS and SEWERAGE
Department: PUBLIC WORKS
Division: SEWAGE LIFT STATIONS
Division No.: 47025

MISSION:

The mission of the Sewage Lift Stations Division is to ensure continuous flow of wastewater to the two wastewater treatment plants from areas where gravity flow of wastewater is not practical.

SERVICES:

All remote sewage lift stations are maintained by this Division. The sewage lift stations pump wastewater from a collection basin up to a higher elevation from which gravity-flow to a wastewater treatment plant is possible.

SIGNIFICANT GOALS AND OBJECTIVES:

GOAL:

- A. Pump wastewater efficiently and safely to treatment facilities

Objective:

- 1. Comply with federal and state law in maintaining a safe work environment

Strategies:

- a. Require all new lift stations to have submersible pumps and remote monitoring systems
- b. Continue to upgrade existing lift stations by converting to submersible pumps with remote monitors

Objective:

- 2. Ensure continuous flow from lift stations in case of power or pump failure

Strategies:

- a. Purchase and keep spare pumps and parts on hand for all lift stations
- b. Install and maintain generators at key lift stations
- c. Ensure that portable generators and pumps are readily available in case of emergency.

Objective:

- 3. Effectively use available City resources

Strategies:

- a. Monitor and update preventive maintenance schedule
- b. Provide periodic cross training of personnel for all lift stations

PROGRAM HIGHLIGHTS:

The Division maintains 15 lift stations. The utility and major maintenance costs for the Bonnie Brae Lift Station are paid for by the homeowners in the subdivision. All of the 15 remote facilities are monitored by automatic wet- and dry-well liquid level indicators which dial an alarm to preprogrammed numbers of maintenance personnel.

The sewage lift stations are divided and assigned to the supervision of the Plant Superintendent at each waste water treatment plant and operated and maintained by the respective plant personnel. Therefore, this division has no personnel costs.

The Sewage Lift Stations Division budget reflects projects and/or materials to sustain safety preventive maintenance and repairs to the facilities.

In FY 2013, the Short Street Lift Station was renovated

Also in FY2013, plans were completed to decommission the Haake-Jenkins lift station. This lift station will be decommissioned in FY2014.

In FY 2014, generators will be installed at various lift stations (CIP #WW1301). This project is being funded via a grant from the Illinois Department of Commerce and Economic Opportunity (DCEO).

PERFORMANCE MEASUREMENTS:

Performance Measurements	Division Goal/ Objective	Actual FY 2012	Authorized Budget FY 2013	Estimated Actual FY 2013	Budget FY 2014
Sewage Lift Stations Maintained (Number)	A-1/A-2	16	15	15	15

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EXPENDITURE CLASSIFICATION	AUTHORIZED		ESTIMATED	
	ACTUAL FY2012	BUDGET FY2013	ACTUAL FY2013	BUDGET FY2014
DIRECT OPERATING CHARGES & SERVICES				
220 Communications-Telephone	5,610	4,912	4,900	4,912
230 Utilities-Electric	21,790	20,725	20,155	21,090
232 Utilities-Water and Sewer	90	0	0	0
250 Repairs & Maint.-Equip.	35,187	9,600	9,500	9,600
251 Repairs & Maint.-Bldg & Struc.	8,447	13,700	13,500	13,700
260 Rental Charges	1,903	0	0	0
273 Operating Supplies & Materials	648	912	750	912
275 Motor Fuels and Lubricants	0	0	0	1,173
299 Operating Equipment	950	0	0	0
TOTAL DIR. OPER. CHRGS & SRVCS	74,625	49,849	48,805	51,387
SERVICES AND CHARGES TRANSFERRED IN				
310 Vehicle & Equipment - Labor & Overhead	0	305	305	1,120
311 Vehicle & Equipment - Parts	0	0	115	575
TOTAL SERV. & CHARGES TRANSFERRED IN	0	305	420	1,695
CAPITAL OUTLAY				
503 Machinery and Equipment	46,001	16,000	16,000	16,500
TOTAL CAPITAL OUTLAY	46,001	16,000	16,000	16,500
TOTAL EXPENDITURES	120,626	66,154	65,225	69,582