

UTILITIES DIVISION

The Utilities Division is responsible for operation and maintenance of the Village water and sewer systems and storm water conveyance system. The Village has 7,515 residential and 674 commercial services, for a total of 8,189 utility billing addresses, of which approximately 150 are for properties outside of the Village limits. Duties include: monitoring of distribution and storage of potable water and associated regulatory reporting requirements; repair of water mains, valves, hydrants, customer water service lines and valve boxes; hydrant flow testing; water valve exercising; water meter installation, repair and testing; water quality testing; manhole, vault, and catch basin repairs; sanitary sewer lift station maintenance; sanitary and storm sewer cleaning and televising; and responding to residents requests for service and assistance.

Water Production, Pumping, Storage, and Distribution System

- Two pressure adjusting stations where Glen Ellyn receives Lake Michigan water from the DuPage Water Commission.
- Two 1,000,000 gallon ground reservoirs and two elevated storage tanks of 500,000 and 750,000 gallon capacity.
- Two stand-by ground water wells and two water pumping stations.
- 145.2 miles of water mains; 1,211 fire hydrants; 1,368 water main line valves; and 8,189 water meters.
- Supervisory Control and Data Acquisition (SCADA) monitoring and control system.

Sanitary Sewer System

- 85 miles of sanitary sewer mains.
- 5 sanitary lift stations.
- Approximately 2,000 manholes.

Storm Sewer System

- 70 miles of storm sewer mains.
- 3,165 storm sewer inlets and catch basins.
- 1,200 storm sewer manholes.

Utilities Division Accomplishments for FY 2004/2005

1. Tested and calibrated the 80 water meters that are 2 inch and larger in diameter.
2. Repaired all Public Sector sanitary sewer deficiencies that were identified in the Sanitary Sewer Evaluation Survey done by RJN Engineering in 2000.
3. Met all state and federal drinking water regulatory requirements.

4. Contracted the video taping of approximately six miles of sanitary sewer main and prioritized the maintenance and reconstruction needs of these mains.
5. Pressure cleaned approximately two miles of 15" through 30", and eight miles of 8" sanitary sewer main; root cut 2,500' of sanitary main.
6. Vacuumed out over 10% of the Village's 3,165 storm sewer system catch basins.
7. Repaired 28 water main breaks, 12 fire hydrant replacements, 25 hydrant repairs, 11 water main valve replacements, 5 valve repairs, 7 water service line repairs, 5 sanitary sewer repairs, 21 storm sewer repairs, 90 sanitary manhole structure rehabs, and 8 water vault rehabs.
8. Updated the Village's Water Atlas.
9. Marked sewer and water locations for 5,671 JULIE requests.
10. Completed and submitted to the EPA a water system Emergency Response Plan.
11. Performed approximately 200 final occupancy water meter inspections.
12. Replaced 1.9 mile of undersized 4" water main with 1.1 miles of new 8" and 1.2 miles new 6" water main during construction projects to improve fire protection and reduced water main breaks.
13. Provided 50% of the Public Works manpower in snow removal efforts.

Utilities Division Goals for FY 2005/06

1. Continue to meet all state and federal drinking water regulatory requirements.
2. To further reduce unmetered water loss, we will test for accuracy and repair 15 meters that are two inch in diameter or larger.
3. Work with the Village's consulting engineer on field research, and the associated repairs needed to reduce clear water inflow in to the sanitary sewer collection system.
4. Train all members of the Utilities Division on their role as identified in the Emergency Response Plan.
5. The major construction projects currently scheduled for completion in 2005 require a substantial amount of work for the operations staff of the Utility Division. Contractors working in the Village need information of water and sewer main and service locations. Water mains must be turned off at times and the mains must be flushed when water is turned back on. A major goal for the division is satisfactory coordination of work with the engineering consultants and engineering staff to assure that the projects are built on time and with as minimal disruption to the Village of Glen Ellyn residents.

6. Pressure clean 12 miles of sanitary sewer main.
7. Pressure clean 2 miles of storm sewer main, and vacuum 650 storm sewer catch basins {20% of the 3165 total basins}.
8. Televis 4 miles of sanitary sewer main and prioritize the maintenance and reconstruction needs of these mains.