

## **UTILITIES DIVISION – WATER**

### **BUDGET FOOTNOTES**

1. **SALARIES: (\$422,500)** - Funds the Utilities Division staff including the Utilities Supervisor, Senior Water Plant Operator, Utilities Inspector, three Crew Leaders, a Customer Service Worker, six Maintenance Workers and a full time Secretary. Utilities Division salaries are split with approximately 57% of the total allocated to water supply and distribution, and 43% for sewage collection and treatment.
2. **METER READERS: (\$40,000)** – Four part-time meter readers read all 8,189 water meters in the Village each month.
3. **TEMPORARY HELP: (\$8,200)** - Provides for two seasonal employees to work on water distribution system maintenance activities.
4. **BANK CHARGES: (\$13,000)** – Costs associated with the acceptance of credit cards as a form of payment at the Village Cashier’s counter.
5. **MAINTENANCE/BUILDINGS & GROUNDS: (\$24,200)** - Provides \$11,200 for annual landscape maintenance contract at the Cottage Avenue elevated tank site, Newton and Wilson Avenue pumping stations, and North and West Pressure Adjusting Stations. Also provides \$5,500 for new siding at Newton Avenue pumping station and the North Pressure Adjusting Station, \$3,500 for roof repairs at all of the locations, and \$4,000 for miscellaneous building repairs and supplies.
6. **MAINTENANCE/ROW: (\$83,500)** - Provides for restoration of streets and parkways disturbed during water system repairs (concrete, asphalt, and landscaping material) including the water portion of the material hauling contract for spoil removal and stone delivery.
7. **MAINTENANCE/WATER METERS: (\$33,000)** - Provides for water meters, copperhorns, and touchpads for new residential and commercial accounts and miscellaneous repair parts as needed.
8. **MAINTENANCE/HYDRANTS: (\$18,000)** – Captures the cost of parts and supplies to maintain and replace hydrants. 140 hydrants, or 11% of the 1211 fire hydrants in the Village’s water distribution system were installed between 1900 and 1950. Non-functioning hydrants are typically replaced instead of repaired because of obsolescence. On average, the Utilities Division replaces 25 hydrants per year.
9. **MAINTENANCE/OTHER: (\$18,000)** - Provides for all materials for water main and service line repairs. Examples include copper tubing, b-boxes, brass fittings, repair clamps, couplers and fittings.
10. **PROFESSIONAL SERVICES/OTHER: (\$64,500)** – Captures the cost of various types of services and studies provided by contractors and consultants. Provides: \$12,000 for water leak location assistance; \$5,000 for emergency water main break repairs; \$15,000 for

concrete saw cutting; \$3,500 for editing and printing of the Illinois Environmental Protection Agency required water quality consumer confidence report; \$2,000 for root pruning prior to excavating to minimize damage to adjacent tree root structures; \$4,000 traffic control device rental; \$5,000 for miscellaneous water analyses; \$1,000 for water tower cathodic protection device service; \$5,000 for the large meter testing program; \$4,000 for DWC legal fees, \$3,000 for electrical maintenance and \$5,000 for miscellaneous other activities.

11. **DEBT SERVICE / ABATE LEVY: (\$62,500)** - Transfer to the Debt Service Fund to lessen the levy for bond re-payments paid by property taxes for the 1987 \$15 million General Obligation Bond issue, a commitment of the Village Board prior to the 1987 bond referendum. A similar transfer is shown in the Sanitary Sewer Division, as well as the Capital Projects Fund.
  
12. **IFT / HEALTH INSURANCE: (\$36,300)** - The Village maintains a self-insured employee health benefits program. Each Village department contributes an amount annually to the Insurance Fund based on their eligible employees and enrollment status. For FY06, contributions to the Insurance Fund have decreased due to:
  1. Projected total plan cost reductions for the 2005-06 plan year which began on October 1, 2004, and
  2. A “rebate” totaling \$150,000 has been credited against FY06 contributions, reflecting our excellent claims experience for the plan year ended September 30, 2004.

For additional details concerning the Village’s employee health benefits program, please refer to the Insurance Fund budget found in the “Finance” section of this budget.

13. **PURCHASE OF WATER: (\$1,450,000)** – The Village purchases its Lake Michigan water through the DuPage Water Commission. Water from the DWC is metered and billed to the Village monthly. The Water Commission sets the rates billed to its municipal customers annually and establishes a commodity or “O&M” rate based on the number of gallons purchased and also assesses a monthly “fixed cost” charge to pay for bonds issued to construct the DWC distribution system. Each municipal customer of the Commission pays a portion of the debt service requirement based on an average representing their share of total water purchased. The combination of the O&M and fixed cost components for FY06 is designed to produce a total average customer rate of \$1.45 per 1,000 gallons purchased.

For FY06, the Village’s “water bill” will be \$1,450,000 based in an estimated annual purchase of nearly a billion gallons. The Village’s water bill from the DuPage Water Commission is broken down as shown:

	Cost of water: \$1.23 per thousand gallons purchased
+	<u>Debt payment \$0.22 per thousand gallons purchased</u>
	Total payment \$1.45 per thousand gallons purchased

14. **CAPITAL PROJECTS: (FY05 Estimated Actual - \$2,859,000)** – This line item lists projects undertaken in the current fiscal year and continuing projects with significant payouts also expected in this fiscal year.

Project Description	Estimated Cost
<p><b>a. Wingate Basin</b> – This project featured water main replacement on Woodstock (Oxford to Waverly), Valley Road (May to Grandview), Bryant (Revere to Highview), Highview (Park to Montclair), Revere (Park to Merton), Exmoor (Wingate to Highview), and Montclair (Wingate to Highview). This project was originally funded in FY03/04 with the total cost for the water portion of the project (including all phases of engineering) expected to be about \$1,375,000. The final \$1,065,000 will be paid this fiscal year.</p>	<b>\$1,065,000</b>
<p><b>b. Turner / May</b> – The project featured water system upgrades on a portion of May Avenue between Smith and Turner. The final cost for the water portion of this project (including all phases of engineering) was \$52,000, which was paid this fiscal year.</p>	<b>\$52,000</b>
<p><b>c. Raintree Subdivision</b> – The Raintree Renovation Project consisted of a series of water main improvements and street rehabilitation in the Raintree Subdivision. The scope of the work included the installation of approximately 8,500 feet of 6-inch and 8-inch water main replacements with PVC pipe (including open cut and directional boring construction) and service line modifications. The final cost for the water portion of this project (including all phases of engineering) is expected to be \$1,014,000, which will be paid this fiscal year.</p>	<b>\$1,014,000</b>
<p><b>d. East Panfish Basin</b> – Approximately \$60,000 of watermain construction was performed this fiscal year in conjunction with the Townhomes at Water’s Edge Development. An additional \$15,000 is currently anticipated to complete the remainder of the water design. The anticipated cost of the water portion of the project (including all phases of engineering) is \$175,000.</p>	<b>\$75,000</b>
<p><b>e. Hillside / Forest</b> – Water portion of design for this bond funded project. For complete project description, please refer to the footnotes for the Capital Projects Fund.</p>	<b>\$15,000</b>
<p><b>f. Main / Anthony / Forest</b> – Water portion of design and construction for this bond funded project. For complete project description, please refer to the footnotes for the Capital Projects Fund.</p>	<b>\$10,000</b>
<p><b>g. Arboretum Estates</b> – The Arboretum Estates Watermain Extension project extended Lake Michigan water to an area located east of Park Boulevard and north of Butterfield Road, east of Glenbard South High School. About one mile of new 8" water main and water service lines were constructed in the subdivision. The final cost for the water portion of this project (including all phases of engineering) is expected to be \$440,000, which will be paid this fiscal year.</p>	<b>\$440,000</b>

<b>h. Five Corners</b> – Water portion of design and construction for this joint project with DuPage County DOT. For complete project description, please refer to the footnotes for the Capital Projects Fund.	<b>\$130,000</b>
<b>i. Marion Avenue</b> – As part of the 2004 Street Resurfacing Project, water main replacement was performed on the approximately 450 feet of main (near Western Avenue) found to be too shallow. As the roadway was being reconstructed, the watermain was lowered to obtain adequate depth. The final cost for the water portion of this project was \$58,000, which will be paid this fiscal year.	<b>\$58,000</b>
<b>Total for line item:</b>	<b>\$2,859,000</b>

15. **CAPITAL PROJECTS: (FY06 Budget - \$2,304,000)** – This line item lists projects expected to start in FY05/06 along with the corresponding estimated costs.

<b>Project Description</b>	<b>Estimated Cost</b>
<b>a. SACROW</b> - Water portion of design and construction for this bond funded project. For complete project description, please refer to the footnotes for the Capital Projects Fund.	<b>\$727,000</b>
<b>b. Linden</b> – Water portion of construction for this stretch of roadway to be included with the 2005 Street Resurfacing Project.	<b>\$23,000</b>
<b>c. Meredith</b> - Water portion of construction for this stretch of roadway to be included with the 2005 Street Resurfacing Project.	<b>\$44,000</b>
<b>d. East Panfish Basin</b> – Water portion of the remaining construction for this bond funded project. For complete project description, please refer to the footnotes for the Capital Projects Fund.	<b>\$100,000</b>
<b>e. Hillside / Forest</b> – Water portion of construction for this bond funded project. For complete project description, please refer to the footnotes for the Capital Projects Fund.	<b>\$100,000</b>
<b>f. North Main Basin</b> - Water portion of design and construction for this bond funded project. For complete project description, please refer to the footnotes for the Capital Projects Fund.	<b>\$215,000</b>
<b>g. Hill Avenue Watermain Extension</b> - Extension of watermain on Hill Avenue near Glen Oak Country Club that will connect to the main on Crescent Boulevard north of the railroad tracks constructed in 1995. This funding will cover the design and construction of 7,700 feet of eight and twelve inch main that will serve approximately 70 households. The total anticipated construction	<b>\$1,030,000</b>

cost is \$1,030,000 with 75% of the costs borne to the residents receiving the water. Construction of this project will be dependent on receiving an Illinois EPA low-interest revolving loan program.	
<b>h. Design Engineering</b> – Funding to accommodate design engineering for capital projects anticipated in the coming years.	
<b>1. Riford Road Reconstruction</b> – See Capital Projects Budget for project description.	<b>\$20,000</b>
<b>2. Sunset Avenue Reconstruction</b> – See Capital Projects Budget for project description.	<b>\$25,000</b>
<b>3. Prospect Avenue Improvements Project</b> – See Capital Projects Budget for project description.	<b>\$20,000</b>
<b>Total for line item:</b>	<b>\$2,304,000</b>

16. **EQUIPMENT: (\$50,000)** – Provides for equipment necessary for ongoing operation and maintenance of our water pumping and distribution system. The \$50,000 will be used to install an upgraded security system at all four of the water supply pumping stations.