

DEPARTMENTWATER UTILITY
FUND 71**Program Description**

The Water Utility is responsible for the day to day operation and maintenance of the Village's wells, towers, services, distribution system, and the metering and billing of all customers. The Village currently operates three wells and long range utility plans include adding an additional high capacity well site within the next 2 to 4 years. Also needed is a facility upgrade at Well 3 to include new iron removal capabilities, an on-site backup generator, a sewer connection, and building remodeling.

Currently the Utility operates approximately 31 miles of main ranging in size from 4-inches to 16-inches in diameter of which nearly 80% is less than 30 years old and 90% is constructed of PVC. Historically, the Village experiences less than 5 water main or service breaks per year.

The Village operates three municipal wells giving the Village a maximum short-term pumping capacity of approximately 1,100 gallons per minute (gpm) and has a permanent, natural gas powered backup generator in the event of power outages within the WE Energies electric system. The two other wells are powered by Slinger Electric and have no backup power capabilities.

The Village has one booster station in its system, located along E Commerce Boulevard (STH 60) at Dove Plaza. The booster station was installed as a means to increase water pressure and fire-fighting capabilities for the subdivisions located to the northeast. A natural gas-powered backup generator was installed at this site to improve the system operations in the event of an electric service disruption. The booster station is responsible for filling the Lovers Lane water tower.

The Water Utility has two water storage towers and one ground-level storage tank providing a total storage capacity of 610,000 gallons. The storage tower located along Lovers Lane was constructed in 2005 and has a maximum capacity of 300,000 gallons. The tower located north of the high school was constructed in 1974 and repainted in 2005 and has a maximum capacity of 250,000 gallons. The ground level reservoir is located behind Well 3 and was placed into the distribution system mainly to hold water that has been aerated to remove hydrogen sulfide that naturally exists in the water. This ground level reservoir holds a maximum of 60,000 gallons of water.

In 2014, Slinger Water Utility provided service to 1,874 customers. The breakdown by customer classification is as follows:

<i>Type</i>	<i>Number</i>	<i>Percent</i>
Residential	1,610	85.9%
Multi Family	10	<1%
Industrial	25	1.3%
Commercial	207	11.1%
Public Authorities	21	1.1%
Service to Other Systems	1	<1%
Total	1,874	100.0%

2015 Accomplishments

- Completed engineering design for Well #3 rehab and iron filter addition.
- Performed three exploratory test drillings in search of future Well #7.
- Completed Scenic/Central water relay including the elimination of nearly 500 feet of transite water main and looping the system in this area.
- Investigated three (3) additional sites, for the future Well 7.
- Continued the meter replacement, the cross connection, and the in house Wisconsin DNR Bacti testing programs.
- Compiled data of GIS mapping of the water system.

2016 Objectives

- Obtain DNR permitting and qualified bids for the Well #3 rehab/iron filter project.
- Evaluate data and come up with recommendations regarding the additional three test well sites.
- Design sewer relay upgrades necessary for iron filter at Well #3
- Continue the cross connection, meter replacement, and in house Bacti inspection program.
- Continue with the future Well 7 investigation to include installing test wells to evaluate potential water quantity and quality.

- Continue populating data and incorporate it in GIS mapping.

Staffing

Position	FTE (Full-Time Equivalent)
Utility Operator	2

Salary and Wage Distributions

The Utility Operators' wages range from \$45,116 to \$51,210 annually. Wage amounts are divided between "Pumping Labor Expense", which covers 50%, and "Distribution Operations Labor", which covers 50%. These categories were set up to correspond with reporting requirements established by the Public Services Commission (PSC).

In addition to the staff assigned to this department, the Water Utility pays 30% of the Administrator's salary, 20% of the Engineer's salary, and 30% of the Utilities/Public Works Superintendent salary under "Admin & General Salaries". The department also funds 20% of the Treasurer/Deputy Clerk's salary and 10% of the Deputy Treasurer's wages under "Accounting & Collect Labor".

Account Detail

46410-460 – Private Fire Protection Sales: This is a charge received from customers who utilize private fire protection systems such as automatic sprinkler systems.

46410-463 – Public Fire Protection Sales: This is an amount determined by the PSC to cover the use of mains and hydrants used for public fire protection purposes.

46411-450 – Forfeited Discounts: This item is comprised of late fees charged to utility customers.

46411-454 – Rent of Property: The utility receives an annual rental fee from Verizon for placement of their antenna on one of the utility's water towers. There is also rent received from the Sewer Utility for shared use of meters.

46412-419 – Interest Income: This is interest earned on the utility's checking and investment accounts.

53710-605 – Maintenance of Source: This amount covers required testing of the Village wells.

53720-623 – Pumping Supplies & Expense: This category includes heat and phone utilities for the pump houses, parts and supplies, well and well meter maintenance.

53720-625 – Maintenance of Pumps: This item covers pump repair and generator maintenance costs.

53740-650 – Maintenance of Reservoirs: This expense is for a maintenance agreement that includes a portion that will be set aside towards the next repainting of a water tower.

53740-651 – Maintenance of Mains: This item is for repairs for any water main breaks and to replace valves as needed. The cost of Diggers Hot Line service also comes out of this category.

53740-654 – Maintenance of Hydrants: This category includes hydrant repairs, parts and replacements.

53740-655 – Maintenance of Other Plant: This cost is for alarms, radios and maintenance of the SCADA (Supervisory Control and Data Acquisition) system.

53750-903 – Customer Account Supplies: This category pays for the items associated with account billings and collections, such as postage and printing.

53770-921 – Central Services & Building: This category pays the utility's Central Services fee for administrative support and office and storage space.

53770-923 – Outside services: This item includes the cost of the utility's annual audit and miscellaneous engineering services as needed. Studies of the water system and potential improvements to the water tower are planned.

53770-928 – Regulatory Commission Expense: This account is used to cover the fees associated with a rate case application with the Public Services Commission.

53770-933 – Central Equipment Expense: This category includes the fee paid to the Central Equipment fund for the use of municipal-owned vehicles.

**2016 PROPOSED BUDGET
WATER UTILITY**

	2014 ACTUAL 12/31/2014	2015 ACTUAL 7/31/2015	2015 PROJECTED YEAR-END	2015 AMENDED BUDGET	2016 PROPOSED BUDGET	%CHANGE BUDGET
710-46410-000-440 RESIDENTIAL SALES	412,173.15	205,713.19	411,426.38	411,500.00	411,500.00	0.00%
710-46410-000-441 MULTI-FAMILY	8,396.95	4,113.41	8,226.82	8,500.00	18,000.00	111.76%
710-46410-000-442 COMMERCIAL SALES	105,813.09	54,453.11	108,906.22	118,000.00	115,000.00	-2.54%
710-46410-000-443 INDUSTRIAL SALES	11,951.49	6,492.01	12,984.02	12,500.00	13,000.00	4.00%
710-46410-000-460 UNMETERED SALES	28,156.79	6,799.20	8,000.00	8,000.00	8,000.00	0.00%
710-46410-000-462 PRIVATE FIRE PROTECTION SALES	10,850.00	6,196.16	12,392.32	10,000.00	15,000.00	50.00%
710-46410-000-463 PUBLIC FIRE PROTECTION SALES	370,559.96	284,880.41	380,038.92	375,000.00	380,200.00	1.39%
710-46410-000-464 PUBLIC AUTHORITY SALES	45,376.83	30,054.29	45,108.58	35,000.00	45,000.00	28.57%
710-46411-000-450 FORFEITED DISCOUNTS	4,509.99	2,226.38	4,452.76	5,000.00	5,000.00	0.00%
710-46411-000-454 RENT OF PROPERTY	24,414.42	25,667.10	25,667.10	27,920.00	25,344.00	-9.23%
710-46411-000-456 OTHER OPERATING REVENUES	1,281.13	3,979.41	6,821.85	2,200.00	3,000.00	36.36%
710-46412-000-419 WATER INTEREST INCOME	2,456.97	1,360.21	2,331.79	2,000.00	2,500.00	25.00%
710-46412-000-421 CONTRIBUTED CAPITAL	-	-	-	-	-	n/a
710-46412-000-425 AMORTIZATION PRE 03 A/DEP	10,436.45	10,436.45	10,436.45	-	-	n/a
Total Revenues	1,036,377.22	642,371.33	1,036,793.20	1,015,620.00	1,041,544.00	2.55%

2016 PROPOSED BUDGET

WATER UTILITY

	2014 ACTUAL 12/31/2014	2015 ACTUAL 7/31/2015	2015 PROJECTED YEAR-END	2015 AMENDED BUDGET	2016 PROPOSED BUDGET	%CHANGE BUDGET	
710-53710-000-605	MAINTENANCE OF SOURCE	13,219.17	3,919.38	6,718.94	10,000.00	8,000.00	-20.00%
710-53720-000-620	PUMPING LABOR EXPENSE	51,898.34	31,880.45	54,652.20	41,623.37	48,215.00	15.84%
710-53720-000-621	PUMPING POWER EXPENSE	56,671.15	27,992.86	55,985.72	57,000.00	57,000.00	0.00%
710-53720-000-623	PUMPING OPS SUPP & EXP	14,708.65	1,436.41	12,000.00	12,000.00	12,000.00	0.00%
710-53720-000-625	PUMPING MAINT. OF PUMPS	12,778.65	(819.14)	10,000.00	20,000.00	20,000.00	0.00%
710-53730-000-631	WATER TREATMENT CHEMICALS	21,556.95	13,709.53	23,502.05	20,000.00	25,000.00	25.00%
710-53740-000-640	DISTRIBUTION OPERATIONS LABOR	33,490.32	19,393.70	49,056.65	62,434.54	48,215.00	-22.78%
710-53740-000-641	DISTR OPERATION SUPPLIES	647.15	2,311.17	3,962.01	2,000.00	3,000.00	50.00%
710-53740-000-650	MAINT OF RESERVOIRS	48,990.67	31,415.53	53,855.19	47,000.00	52,000.00	10.64%
710-53740-000-651	MAINTENANCE OF MAINS	15,652.99	12,054.31	30,000.00	30,000.00	30,000.00	0.00%
710-53740-000-652	MAINT OF SERVICES	30,497.50	5,180.04	8,880.07	15,000.00	10,000.00	-33.33%
710-53740-000-653	MAINT OF METERS	2,145.80	4,877.20	8,360.91	5,000.00	8,500.00	70.00%
710-53740-000-654	MAINT OF HYDRANTS	11,516.20	(559.80)	8,000.00	8,000.00	8,000.00	0.00%
710-53740-000-655	MAINT OF OTHER PLANT	23,033.11	2,286.92	8,000.00	12,000.00	10,000.00	-16.67%
710-53740-000-678	MAINT OF SCADA & MAPPING	-	27,238.27	30,000.00	11,500.00	15,000.00	30.43%
710-53750-000-904	UNCOLLECTIBLE ACCTS	-	433.57	433.57	-	-	n/a
710-53770-000-920	ADMIN. & GENERAL SALARIES	68,806.25	41,185.41	47,360.74	47,360.74	54,303.00	14.66%
710-53770-000-921	CENTRAL SERVICES & BUILDING	47,113.00	23,864.00	47,728.00	47,728.00	47,728.00	0.00%
710-53770-000-923	OUTSIDE SERVICES	34,743.00	4,168.99	22,700.00	22,700.00	40,000.00	76.21%
710-53770-000-924	PROPERTY INSURANCE	3,794.00	-	4,060.00	4,060.00	4,466.00	10.00%
710-53770-000-925	INJURIES & DAMAGES INS	7,587.00	-	8,118.00	8,118.00	8,930.00	10.00%
710-53770-000-926	EMPLOYEE BENEFITS	71,792.24	32,527.08	68,353.26	70,813.98	75,771.00	7.00%
710-53770-000-928	REG COMM EXPENSE	1,811.09	763.05	1,308.09	1,200.00	1,200.00	0.00%
710-53770-000-930	SAFETY & TRAINING	1,587.70	4,765.31	5,000.00	2,500.00	5,000.00	100.00%
710-53770-000-933	CENTRAL EQUIPMENT EXPENSE	44,946.00	25,520.00	51,040.00	51,040.00	63,352.00	24.12%
710-53780-000-403	DEPRECIATION EXPENSE	194,908.55	195,692.00	195,692.00	200,000.00	200,000.00	0.00%
710-53780-000-408	TAXES - PAYROLL	11,138.02	6,635.29	11,374.78	12,855.72	13,324.00	3.64%
710-53780-000-409	TAXES - PROPERTY	145,693.70	-	163,320.00	163,320.00	147,590.00	-9.63%
710-53780-000-439	APPR OF INC TO MUNC	18,008.50	-	7,480.00	7,480.00	4,570.00	-38.90%
Total Expenses		988,735.70	517,871.53	996,942.18	992,734.35	1,021,164.00	2.86%
Excess Revenues over Expenses		26,884.30	124,499.80	39,851.02	22,885.65	20,380.00	