

**DEPARTMENT**

WATER 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. Drawing its water supply from three groundwater wells, the Slinger Water Utility water system also consists of two elevated storage tanks, one ground level storage tank, one supply pumping station, one booster station, two pressure reducing valve (PRV) stations, and approximately 31 miles of distribution water mains. The water system is separated into three pressure zones to meet the service needs of the customers.

In 2018, the Utility pumped approximately 170 million gallons of water and can provide a maximum short-term pumping capacity of approximately 1,100 gallons per minute (gpm).

Future short term improvements as identified in the 2017 water study will be the priorities for this year and future budgets. They include:

1. Water relay and looping in St. Paul Subdivision
2. Replacing water main along James Street west of Hartford Rd.
3. Replacing water main along Water Street from Elm St. to Beine St.
4. Adding an additional high capacity well.

**2019 Accomplishments**

- Completed water relay and looping in St. Paul Subdivision.
- Begin construction of the Well 3 iron filter and well building improvements.
- Currently in negotiations of land purchase required for future municipal well in the Farmstead Subdivision.
- Continued the meter replacement, cross connection, hydrant flushing/painting, valve exercising, curb stop repairs, and Wisconsin DNR testing and reporting requirements.
- Interior cleaning and inspection of the High School water tower and visual inspection of the Lover's Lane tower.
- Well #5 carbon dioxide treatment. This was the fourth year of treatment in a 10-year service agreement with Suez/Utility Services that is designed to maintain the well's pumping capacity without having to pull it every 6-9 years.

**2020 Objectives**

- Complete construction of an iron filter at Well#3.
- Make repairs to Well 5 and Iron Filter 5's roofs, adding gutters to protect the building.
- Continue the meter replacement, cross connection, meter, hydrant flushing, valve exercising, curb stop repairs, and Wisconsin DRN testing and reporting requirements.
- Replace iron filter media material in Well 5.
- Continue populating data and incorporate it in GIS mapping.
- Replace 4" water main along James St. that will eliminate fire flow deficiencies in that area.

**Staffing**

<b>Position</b>	<b>FTE (Full-Time Equivalent)</b>
Utility Operator	2

**Salary and Wage Distributions**

The Utility Operators' wages range from \$50,523 to \$56,077 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 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. The charge is based on the customer's connection size and is a flat monthly rate since the fire protection system itself is an unmetered service.

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. Half of this amount is paid by the General Fund from levy revenue and half is paid by customers as part of their monthly bill.

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.

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

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 other equipment that is not specifically pumping or distribution-related.

53740-678 – Maintenance SCADA & Mapping: This account tracks the cost of operating and maintaining the Utility's SCADA (Supervisory Control and Data Acquisition) and mapping systems.

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.

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.

**PROPOSED 2020 BUDGET  
WATER UTILITY FUND 71 - REVENUES**

	2018 ACTUAL	2019 ACTUAL	PROJECTED	2019	2020	
	7/31/2018	7/31/2019	YEAR-END	AMENDED	PROPOSED	% CHANGE
				BUDGET	BUDGET	
710-46410-000-440 RESIDENTIAL SALES	219,649.87	221,232.84	442,465.68	425,000.00	450,000.00	5.88%
710-46410-000-441 MULTI-FAMILY	4,508.93	4,319.80	8,639.60	9,000.00	10,000.00	11.11%
710-46410-000-442 COMMERCIAL SALES	66,564.52	60,420.42	120,840.84	123,000.00	120,000.00	-2.44%
710-46410-000-443 INDUSTRIAL SALES	4,685.61	5,052.62	10,105.24	12,000.00	10,000.00	-16.67%
710-46410-000-460 UNMETERED SALES	5,484.44	3,034.57	6,069.14	15,000.00	15,000.00	0.00%
710-46410-000-462 PRIVATE FIRE PROTECTION SALES	11,340.00	11,594.67	23,189.34	25,000.00	25,000.00	0.00%
710-46410-000-463 PUBLIC FIRE PROTECTION SALES	101,960.57	104,350.01	396,200.02	385,000.00	400,000.00	3.90%
710-46410-000-464 PUBLIC AUTHORITY SALES	16,659.56	20,324.96	40,649.92	35,000.00	40,000.00	14.29%
710-46411-000-420 WATER SPECIAL FUND INTEREST	-	35.18	70.36	-	-	
710-46411-000-450 FORFEITED DISCOUNTS	(8,055.19)	1,271.48	2,542.96	5,000.00	5,000.00	0.00%
710-46411-000-454 RENT OF PROPERTY	27,504.00	27,504.00	36,504.00	36,000.00	36,000.00	0.00%
710-46411-000-456 OTHER OPERATING REVENUES	2,231.79	3,735.78	7,471.56	8,000.00	8,000.00	0.00%
710-46412-000-419 WATER INTEREST INCOME	9,677.62	11,763.49	23,526.98	15,000.00	20,000.00	33.33%
710-48125-000-000 GAIN ON INVESTMENTS	(2.00)	(452.37)	(452.37)	-	-	
710-48130-000-000 UNREALIZED GAIN ON INVESTMENT	(4,557.64)	7,093.14	7,093.14	-	-	
<b>TOTAL FUND REVENUE</b>	<b>457,652.08</b>	<b>481,280.59</b>	<b>1,124,916.41</b>	<b>1,093,000.00</b>	<b>1,139,000.00</b>	<b>4.21%</b>

**PROPOSED 2020 BUDGET  
WATER UTILITY FUND 71 - EXPENDITURES**

	2018 ACTUAL	2019 ACTUAL	PROJECTED	2019	2020	
	7/31/2018	7/31/2019	YEAR-END	AMENDED	PROPOSED	% CHANGE
				BUDGET	BUDGET	
710-53710-000-605 MAINTENANCE OF SOURCE	1,772.35	2,093.52	3,588.89	5,000.00	5,000.00	0.00%
710-53720-000-620 PUMPING LABOR EXPENSE	28,603.28	33,250.93	57,001.59	58,461.23	58,461.00	0.00%
710-53720-000-621 PUMPING POWER EXPENSE	29,737.27	22,559.67	45,119.34	60,000.00	55,000.00	-8.33%
710-53720-000-623 PUMPING OPS SUPP & EXP	2,800.17	2,787.01	4,777.73	8,000.00	8,000.00	0.00%
710-53720-000-625 PUMPING MAINT. OF PUMPS	11,035.57	9,304.43	15,950.45	18,000.00	18,000.00	0.00%
710-53730-000-631 WATER TREATMENT CHEMICALS	14,060.16	12,931.96	22,169.07	30,000.00	25,000.00	-16.67%
710-53740-000-640 DISTRIBUTION OPERATIONS LABOR	32,400.54	33,250.93	57,001.59	58,461.23	58,461.00	0.00%
710-53740-000-641 DISTR OPERATION SUPPLIES	1,508.33	630.06	1,080.10	7,000.00	7,000.00	0.00%
710-53740-000-650 MAINT OF RESERVOIRS	20,967.56	11,967.56	20,515.82	55,000.00	55,000.00	0.00%
710-53740-000-651 MAINTENANCE OF MAINS	5,430.43	6,406.70	10,982.91	30,000.00	30,000.00	0.00%
710-53740-000-652 MAINT OF SERVICES	17,150.90	29,938.17	51,322.58	30,000.00	30,000.00	0.00%
710-53740-000-653 MAINT OF METERS	38,851.99	1,863.67	3,194.86	8,500.00	8,500.00	0.00%
710-53740-000-654 MAINT OF HYDRANTS	536.54	223.99	383.98	13,000.00	5,000.00	-61.54%
710-53740-000-655 MAINT OF OTHER PLANT	-	1,871.89	3,208.95	2,000.00	3,000.00	50.00%
710-53740-000-678 MAINT OF SCADA & MAPPING	7,973.95	6,868.75	11,775.00	15,000.00	15,000.00	0.00%
710-53750-000-903 CUSTOMER ACCOUNT SUPPLIES	4,406.61	4,551.34	7,802.30	6,000.00	8,000.00	33.33%
710-53750-000-904 UNCOLLECTIBLE ACCTS	8,855.05	-	-	-	-	
710-53770-000-920 ADMIN. & GENERAL SALARIES	46,719.92	47,137.06	80,806.39	79,491.21	79,491.00	0.00%
710-53770-000-921 CENTRAL SERVICES & BUILDING	25,455.50	24,457.50	48,915.00	48,915.00	49,711.00	1.63%
710-53770-000-923 OUTSIDE SERVICES	7,850.19	5,751.35	9,859.46	7,000.00	5,000.00	-28.57%
710-53770-000-924 PROPERTY INSURANCE	-	3,271.68	3,271.68	3,675.00	3,435.26	-6.52%
710-53770-000-925 INJURIES & DAMAGES INS	-	6,541.58	6,541.58	7,348.00	6,868.66	-6.52%
710-53770-000-926 EMPLOYEE BENEFITS	35,932.82	36,165.06	61,997.25	82,082.82	68,200.00	-16.91%
710-53770-000-928 REG COMM EXPENSE	941.00	125.00	214.29	2,000.00	2,000.00	0.00%
710-53770-000-930 SAFETY & TRAINING	2,444.91	3,144.09	5,389.87	4,000.00	3,000.00	-25.00%
710-53770-000-933 CENTRAL EQUIPMENT EXPENSE	35,000.00	35,700.00	71,400.00	71,400.00	62,224.00	-12.85%
710-53780-000-403 DEPRECIATION EXPENSE	215,322.00	217,835.00	217,835.00	215,322.00	217,835.00	1.17%
710-53780-000-408 TAXES - PAYROLL	8,373.13	8,645.13	14,820.22	15,461.39	15,462.00	0.00%
710-53780-000-409 TAXES - PROPERTY	-	-	143,853.00	143,853.00	143,853.00	0.00%
710-53780-000-427 INTEREST EXPENSE	-	-	-	-	82,525.00	
710-53780-000-428 FINANCE EXPENSE	-	44,923.00	44,923.00	-	-	
710-53780-000-439 APPR OF INC TO MUNC	-	-	-	5,209.00	9,921.00	90.46%
<b>TOTAL FUND EXPENDITURES</b>	<b>604,130.17</b>	<b>614,197.03</b>	<b>1,025,701.91</b>	<b>1,090,179.88</b>	<b>1,138,947.92</b>	<b>4.47%</b>
<b>NET REVENUE OVER EXPENDITURES</b>	<b>(146,478.09)</b>	<b>(132,916.44)</b>	<b>99,214.50</b>	<b>2,820.12</b>	<b>52.08</b>	