

Highlights from Cheryl Porter, Chief Operating Officer – Water & Field Services

The Water Operations Area presently leads several strategic initiatives.

- ❖ **Maintain 100% water quality compliance**
 Delivery of pure, safe drinking water is an essential to GLWA's mission.
- ❖ **Restructuring Water Production**
 Continue implementation of 2015 Water Master Plan Update; specifically, those aspects which address excess production capacity.
- ❖ **Improve Capital Project Delivery**
 Sustain water treatment operations and transmission by effective and efficient delivery of capital investments.
- ❖ **Transmission Assessment & Rehabilitation**
 Complete the designs and begin construction of water mains.
- ❖ **Improve Operational Reliability through Automation and Equipment Maintenance**
 - Plan implementation of water automation.
 - Support asset management to improve maintenance activities.

Water Operations Contracts

The Water Operations budget contains several contractual services to ensure system reliability, timely distribution and delivery of high-quality and safe water that complies with drinking water regulations. Budgeted amounts beyond contract date are estimates for future study updates or subsequent implementation of a program. These services would generally require a separate procurement process. It should be noted that several contracts are shared by multiple areas of GLWA. In the chart below are the key contracts for these services.

Project Description	Comprehensive Corrosion Control Optimization Study	Aluminum Sulfate	Ovation Evergreen Upgrade	Liquid Chlorine	Alum Sludge Hauling	Switchgear Maintenance & Testing Services	As Needed: CIP Implementation Assistance & Related Services	Standby Generator Preventative Maintenance & Repair Contract	Job Order Contract - Construction, Environmental, Special Testing, Inspection & Technical Services	Total
Prime Consultant	Arcadis of Michigan, LLC	Chemtrade Chemicals	Emerson Process Management	JCI Jones Chemicals	Mobile Dredging & Video Pipe Inc	Motor City Electric	PMA Consultants LLC	Preventive Maintenance Technologies	Professional Service Industries Inc	
Contract #	1803705	1803685	SCO-1134	1803508	GLWA-CON-170	1900995	GLWA-CS-166	2001082	GLWA-CS-201	
Contract Amount	\$6,931,619	\$3,317,750	\$14,000,000	\$1,795,500	\$15,298,560	\$9,702,373	\$11,300,000	\$1,587,500	\$1,626,350	
Contract End Date	11/08/24	07/01/22	07/11/21	03/31/22	03/31/21	TBD	01/08/21	01/01/23	07/05/21	
Pre-FY 2019 Spend	\$ -	\$ 2,002,704	\$ 228,242	\$ 408,786	\$ -	\$ 419,214	\$ 133,276	\$ 291,658	\$ -	\$ 3,483,880
FY 2019 Actual	-	1,979,213	84,120	402,332	10,634,418	1,224,678	539,937	192,943	-	15,057,641
FY 2020 Actual	462,303	2,538,847	-	637,602	4,701,430	1,288,286	437,902	136,596	89,810	10,292,776
FY 2021 Budget	1,100,000	1,950,000	250,000	382,400	8,082,600	1,276,000	100,000	187,000	84,700	13,412,700
FY 2022 Requested	1,175,000	2,605,000	250,000	488,000	8,141,800	1,199,000	360,000	239,000	84,700	14,542,500
FY 2023 Requested	1,175,000	2,605,000	250,000	488,000	8,141,800	1,199,000	360,000	239,000	84,700	14,542,500
FY 2024 Requested	1,175,000	2,605,000	250,000	488,000	8,141,800	1,199,000	360,000	239,000	84,700	14,542,500
FY 2025 Requested	1,175,000	2,605,000	250,000	488,000	8,141,800	1,199,000	360,000	239,000	84,700	14,542,500
FY 2026 Requested	1,175,000	2,605,000	250,000	488,000	8,141,800	1,199,000	360,000	239,000	84,700	14,542,500
Subtotal	\$ 7,437,303	\$ 21,495,764	\$ 1,812,362	\$ 4,271,120	\$ 64,127,448	\$ 10,203,178	\$ 3,011,115	\$ 2,003,197	\$ 598,010	\$ 114,959,496

Biennial Budget Request

The biennial budget reflects an overall increase in FY 2022 of \$3.0 million (4.2%). Key factors that impact FY 2022 include the following.

- ❖ Chemical prices have increased since the last contract renewal. The water treatment quality has been based on a three-year rolling average. Updated assumptions for usage and pricing are based on the most recent information for all chemicals (\$1.6 million).
- ❖ Unallocated Reserve requires a reasonable amount to provide for unforeseen expenditures and helps to ensure that adequate cash flow is available to meet the expected cost of Operations & Maintenance (\$994,000). It should be noted that the provision for wage and benefit adjustments is included in the annual unallocated O&M reserve.
- ❖ Energy consumption fluctuates from year to year and is dependent on flow rate, total pressure, climate, and overall pump efficiency (\$603,000).

Biennial Budget Request by Expense Category

Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2022 Dollar Variance	FY 2022 Percent Variance	FY 2023 Department Requested
2.0 Personnel	\$ 20,747,300	\$ 20,765,100	\$ 5,362,188	\$ 20,923,391	\$ 158,291	0.8%	\$ 21,018,926
3.1 Electric	26,112,000	24,417,800	7,908,564	25,021,000	603,200	2.5%	25,021,000
3.2 Gas	1,014,700	1,082,000	59,597	1,066,600	(15,400)	-1.4%	1,066,600
3.3 Sewage Service	542,500	649,000	48,754	577,700	(71,300)	-11.0%	577,700
3.4 Water Service	1,200	5,000	98	4,500	(500)	-10.0%	4,500
4.1 Chemicals	5,569,400	5,053,900	1,835,396	6,662,600	1,608,700	31.8%	6,662,600
4.2 Supplies & Other	4,509,600	5,168,800	923,811	4,779,100	(389,700)	-7.5%	4,784,100
4.3 Contractual Services	12,365,700	14,900,700	2,619,003	15,222,300	321,600	2.2%	15,227,300
5.1 Capital Program Allocation	(2,030,200)	(1,805,200)	(497,412)	(2,002,914)	(197,714)	11.0%	(2,011,317)
5.2 Shared Services	57,600	-	-	-	-	0.0%	-
7.0 Unallocated Reserve	-	1,729,300	-	2,722,989	993,689	57.5%	5,119,501
Grand Total	\$ 68,889,800	\$ 71,966,400	\$ 18,259,999	\$ 74,977,266	\$ 3,010,866	4.2%	\$ 77,470,910

Unallocated Reserve Preview by Year

Expense Category	FY 2017 Adopted Budget	FY 2017 Amended Budget	FY 2018 Adopted Budget	FY 2018 Amended Budget	FY 2019 Adopted Budget	FY 2019 Amended Budget	FY 2020 Adopted Budget	FY 2020 Amended Budget	FY 2021 Adopted Budget	FY 2022 Department Requested	FY 2022 Dollar Variance	FY 2022 Percent Variance
7.0 Unallocated Reserve	-	2,500,000	2,036,500	1,149,100	1,954,500	-	2,697,200	19,100	1,729,300	2,722,989	993,689	57.5%
Grand Total	\$ -	\$ 2,500,000	\$ 2,036,500	\$ 1,149,100	\$ 1,954,500	\$ -	\$ 2,697,200	\$ 19,100	\$ 1,729,300	\$ 2,722,989	\$ 993,689	57.5%

Biennial Budget Request by Team

Team	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2022 Dollar Variance	FY 2022 Percent Variance	FY 2023 Department Requested
Administration	\$ 1,842,700	\$ 2,187,100	\$ 480,808	\$ 2,286,799	\$ 99,699	4.6%	\$ 2,294,963
Water Treatment Plants	52,324,700	54,029,600	13,457,312	55,858,593	1,828,993	3.4%	55,930,386
Water Engineering	1,460,000	1,360,900	289,875	1,308,236	(52,664)	-3.9%	1,311,284
Water Quality	2,107,800	1,944,700	555,541	1,964,549	19,849	1.0%	1,978,676
Water System Operations							
Unallocated	-	1,729,300	-	2,722,989	993,689	57.5%	5,119,501
Pumping Stations	11,154,600	10,714,800	3,476,464	10,836,100	121,300	1.1%	10,836,100
Grand Total	\$ 68,889,800	\$ 71,966,400	\$ 18,259,999	\$ 74,977,266	\$ 3,010,866	4.2%	\$ 77,470,910

Personnel Budget

Water system operations personnel consists of 234 positions and is largely comprised of staffing at the five water treatment plants at 170 positions for FY 2022. Water Quality, at 26 positions, and Water Engineering, at 22 positions, are the second and third largest categories for FY 2022, respectively. The staffing plan decrease of one position for Water Engineering is a result of transferring the Power Quality Manager position to Energy, Research & Innovation (Centralized Services cost center 882501). Recruiting and developing talent is a high priority for GLWA. **For this reason, seven new positions are added to support the apprenticeship and training program. The investment in the apprenticeship program will enable the GLWA to develop a workforce for positions which have been challenging to recruit and fill.**

The following tables provide three alternate views of the staffing plans and budget.

Staffing Plan - The table below presents the number of positions in the plan. Each position has a value of one. The position count does not distinguish between a position that is filled 100% (2,080 hours per year), filled for a number of hours less than 2,080 per year, or one that is vacant.

Staffing Plan – Number of Positions

Team	Prior Year FY 2020 Staffing Plan	Current Year FY 2021 Staffing Plan	FY 2022 Staffing Plan	FY 2023 Staffing Plan	FY 2024 Staffing Plan	FY 2025 Staffing Plan	FY 2026 Staffing Plan
Water System Operations	224.00	227.00	234.00	234.00	234.00	234.00	234.00
Chief Operating Officer - Water Operations & Field Services	2.00	3.00	3.00	3.00	3.00	3.00	3.00
Water Director	9.00	11.00	13.00	13.00	13.00	13.00	13.00
Water Engineering	24.00	23.00	22.00	22.00	22.00	22.00	22.00
Water Quality	26.00	26.00	26.00	26.00	26.00	26.00	26.00
Subtotal Water Treatment Plants	163.00	164.00	170.00	170.00	170.00	170.00	170.00
Water Works Park	37.00	35.00	36.00	36.00	36.00	36.00	36.00
Springwells Water Plant	36.00	36.00	37.00	37.00	37.00	37.00	37.00
Northeast Water Plant	30.00	32.00	33.00	33.00	33.00	33.00	33.00
Southwest Water Plant	30.00	30.00	33.00	33.00	33.00	33.00	33.00
Lake Huron Water Plant	30.00	31.00	31.00	31.00	31.00	31.00	31.00

Full-time Equivalents - The table below presents “full-time equivalent” (FTE) staffing. FTE is based on the number of hours that the position is filled, or budgeted for, in a given year based upon a standard of 2,080 hours per year. For this budget area, the Staffing Plan and the FTEs are consistent.

Full-time Equivalents

Team	Prior Year FY 2020 FTEs	Current Year FY 2021 FTEs	FY 2022 FTEs	FY 2023 FTEs	FY 2024 FTEs	FY 2025 FTEs	FY 2026 FTEs
Water System Operations	224.00	226.75	233.75	233.75	233.75	233.75	233.75
Chief Operating Officer - Water Operations & Field Services	2.00	2.75	2.75	2.75	2.75	2.75	2.75
Water Director	9.00	11.00	13.00	13.00	13.00	13.00	13.00
Water Engineering	24.00	23.00	22.00	22.00	22.00	22.00	22.00
Water Quality	26.00	26.00	26.00	26.00	26.00	26.00	26.00
Subtotal Water Treatment Plants	163.00	164.00	170.00	170.00	170.00	170.00	170.00
Water Works Park	37.00	35.00	36.00	36.00	36.00	36.00	36.00
Springwells Water Plant	36.00	36.00	37.00	37.00	37.00	37.00	37.00
Northeast Water Plant	30.00	32.00	33.00	33.00	33.00	33.00	33.00
Southwest Water Plant	30.00	30.00	33.00	33.00	33.00	33.00	33.00
Lake Huron Water Plant	30.00	31.00	31.00	31.00	31.00	31.00	31.00

Personnel Budget - The table below presents the Water Operations personnel budget which consists of the following expense categories: Salaries & Wages, Salaries & Wages – Workforce Development, Overtime, and Employee Benefits. The values for the personnel budget are based on the full-time

equivalents table above using current pay levels. Wage and benefit adjustments are based on merit increases and are included in category 7.0 Unallocated Reserve as shown in the Five-Year Financial Plan below.

Personnel Budget

Team	FY 2021 Adopted Budget	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
Water System Operations	\$ 20,765,100	\$ 20,923,391	\$ 21,018,926	\$ 21,114,462	\$ 21,209,997	\$ 21,305,532
Chief Operating Officer - Water Operations & Field Services	414,400	412,052	413,764	415,476	417,189	418,901
Water Director	1,307,200	1,491,547	1,497,999	1,504,451	1,510,903	1,517,355
Water Engineering	2,645,800	2,569,530	2,580,495	2,591,461	2,602,427	2,613,392
Water Quality	1,690,900	1,728,249	1,737,376	1,746,503	1,755,630	1,764,758
Subtotal Water Treatment Plants	14,706,800	14,722,013	14,789,292	14,856,570	14,923,849	14,991,127
Water Works Park	3,245,800	3,245,455	3,259,920	3,274,385	3,288,850	3,303,315
Springwells Water Plant	3,137,000	3,150,589	3,165,130	3,179,672	3,194,214	3,208,756
Northeast Water Plant	2,848,600	2,764,331	2,777,331	2,790,331	2,803,332	2,816,332
Southwest Water Plant	2,766,200	2,935,267	2,948,438	2,961,609	2,974,780	2,987,951
Lake Huron Water Plant	2,709,200	2,626,371	2,638,472	2,650,572	2,662,673	2,674,774

Five Year Financial Plan

Five-Year Financial Plan by Expense Category

Expense Category	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2022 Dollar Variance	FY 2022 Percent Variance	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
2.0 Personnel	\$ 20,765,100	\$ 5,362,188	\$ 20,923,391	\$ 158,291	0.8%	\$ 21,018,926	\$ 21,114,462	\$ 21,209,997	\$ 21,305,532
3.1 Electric	24,417,800	7,908,564	25,021,000	603,200	2.5%	25,021,000	25,021,000	25,021,000	25,021,000
3.2 Gas	1,082,000	59,597	1,066,600	(15,400)	-1.4%	1,066,600	1,066,600	1,066,600	1,066,600
3.3 Sewage Service	649,000	48,754	577,700	(71,300)	-11.0%	577,700	577,700	577,700	577,700
3.4 Water Service	5,000	98	4,500	(500)	-10.0%	4,500	4,500	4,500	4,500
4.1 Chemicals	5,053,900	1,835,396	6,662,600	1,608,700	31.8%	6,662,600	6,662,600	6,662,600	6,662,600
4.2 Supplies & Other	5,168,800	923,811	4,779,100	(389,700)	-7.5%	4,784,100	4,779,100	4,779,100	4,779,100
4.3 Contractual Services	14,900,700	2,619,003	15,222,300	321,600	2.2%	15,227,300	15,213,800	15,196,800	15,201,800
5.1 Capital Program Allocation	(1,805,200)	(497,412)	(2,002,914)	(197,714)	11.0%	(2,011,317)	(2,019,720)	(2,028,123)	(2,036,526)
7.0 Unallocated Reserve	1,729,300	-	2,722,989	993,689	57.5%	5,119,501	7,282,591	10,421,417	10,421,417
Grand Total	\$ 71,966,400	18,259,999	\$ 74,977,266	\$ 3,010,866	4.2%	\$ 77,470,910	\$ 79,702,633	\$ 82,911,591	\$ 83,003,723

Five-Year Financial Plan by Team

Expense Category	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2022 Dollar Variance	FY 2022 Percent Variance	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
Administration	\$ 2,187,100	\$ 480,808	\$ 2,286,799	\$ 99,699	4.6%	\$ 2,294,963	\$ 2,303,127	\$ 2,311,291	\$ 2,319,456
Water Treatment Plants	54,029,600	13,453,134	55,858,593	1,828,993	3.4%	55,930,386	55,971,680	56,038,473	56,105,266
Water Engineering	1,360,900	289,875	1,308,236	(52,664)	-3.9%	1,311,284	1,309,332	1,312,379	1,315,427
Water Quality	1,944,700	555,541	1,964,549	19,849	1.0%	1,978,676	1,999,803	1,991,930	2,006,058
Water System Operations									
Unallocated	1,729,300	-	2,722,989	993,689	57.5%	5,119,501	7,282,591	10,421,417	10,421,417
Pumping Stations	10,714,800	3,476,464	10,836,100	121,300	1.1%	10,836,100	10,836,100	10,836,100	10,836,100
Grand Total	\$ 71,966,400	\$ 18,259,999	\$ 74,977,266	\$ 3,010,866	4.2%	\$ 77,470,910	\$ 79,702,633	\$ 82,911,591	\$ 83,003,723

Capital Outlay

Water Operations capital outlay is funded by the Improvement & Extension (I&E) budget.

Five-Year Capital Outlay Plan by Asset Category

In FY 2022, the Heavy Equipment asset category request of \$500,000 is driven by the need to replace several heavy duty outdoor high and low lifts due to the condition of the current equipment.

Asset Category	FY 2021 Adopted Budget	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
Improvement & Extension	\$ 3,796,600	\$ 2,758,600	\$ 2,113,300	\$ 2,614,500	\$ 1,852,500	\$ 1,552,000
Information Technology	5,500	5,500	5,500	5,500	5,500	5,500
Software	5,500	5,500	5,500	5,500	5,500	5,500
Leasehold Improvements	-	-	-	-	158,000	-
Machinery & Equipment	3,764,100	2,691,100	2,100,800	2,547,000	1,682,000	1,484,500
Controls & Communication	1,505,000	25,000	139,000	35,000	52,000	120,000
Furniture & Fixtures	6,000	-	-	-	-	45,000
Heavy Equipment	-	500,000	150,000	105,000	57,000	30,000
Laboratory	254,000	328,000	330,700	280,000	254,000	199,500
Pipes, Gates & Valves	375,000	253,500	137,000	263,000	158,000	210,000
Process Equipment	400,000	452,000	449,000	377,000	305,000	445,000
Pumps & Motors	1,204,100	1,132,600	875,100	1,467,000	846,000	415,000
Tools, Shop & Warehouse	20,000	-	20,000	20,000	10,000	20,000
Vehicles	27,000	62,000	7,000	62,000	7,000	62,000
Trailer & Towable Equipment	20,000	40,000	-	40,000	-	40,000
Utility Vehicle	7,000	22,000	7,000	22,000	7,000	22,000
Grand Total	\$ 3,796,600	\$ 2,758,600	\$ 2,113,300	\$ 2,614,500	\$ 1,852,500	\$ 1,552,000

Five-Year Capital Outlay Plan by Funding Source

Funding Source	FY 2021 Adopted Budget	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
Improvement & Extension	\$ 3,796,600	\$ 2,758,600	\$ 2,113,300	\$ 2,614,500	\$ 1,852,500	\$ 1,552,000
Grand Total	\$ 3,796,600	\$ 2,758,600	\$ 2,113,300	\$ 2,614,500	\$ 1,852,500	\$ 1,552,000

Five-Year Capital Outlay Plan by Team

In FY 2022, the Northeast Water Plant request of \$1,175,000 is driven by the critical need to replace current equipment such as heavy duty outdoor high and low lifts, turbidimeters, chlorinators, valves, and pumps.

Team	FY 2021 Adopted Budget	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
Water Engineering	\$ 11,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500
Water Quality	32,000	20,000	51,000	18,000	30,000	17,500
Water Treatment Plants	3,753,100	2,733,100	2,056,800	2,591,000	1,817,000	1,529,000
Water Works Park	586,100	308,100	373,800	354,000	354,000	633,000
Springwells Water Plant	969,000	510,000	351,000	901,000	350,000	359,000
Northeast Water Plant	920,000	1,175,000	958,000	463,000	628,000	110,000
Southwest Water Plant	615,000	250,000	169,000	265,000	280,000	250,000
Lake Huron Water Plant	663,000	490,000	205,000	608,000	205,000	177,000
Grand Total	\$ 3,796,600	\$ 2,758,600	\$ 2,113,300	\$ 2,614,500	\$ 1,852,500	\$ 1,552,000

Line Item Budget and Financial Plan

The five-year plan with a line item expense budget is reflected on the following pages. The expenses are listed in custom grouping order by cost center.



Water Operations
Budget & Five-Year Plan
FY 2022 through FY 2026

Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
882001 - COO - Water Operations & Field Services	\$ 454,600	\$ 462,900	\$ 128,352	\$ 486,052	\$ 487,764	\$ 489,476	\$ 491,189	\$ 492,901
2.1 Salaries & Wages	328,900	329,300	82,907	326,446	326,446	326,446	326,446	326,446
2.4 Employee Benefits	81,700	85,100	18,810	85,607	87,319	89,031	90,743	92,455
4.2 Supplies & Other	44,000	38,500	26,635	69,000	69,000	69,000	69,000	69,000
Memberships, Licenses & Subscriptions	26,200	25,600	26,195	53,500	53,500	53,500	53,500	53,500
Office Supplies	200	500	-	500	500	500	500	500
Training and Internal Meetings	10,100	2,400	440	5,000	5,000	5,000	5,000	5,000
Travel	7,500	10,000	-	10,000	10,000	10,000	10,000	10,000
4.3 Contractual Services	-	10,000	-	5,000	5,000	5,000	5,000	5,000
Contractual Professional Services	-	10,000	-	5,000	5,000	5,000	5,000	5,000
882101 - Water Director	1,388,100	1,724,200	352,456	1,800,747	1,807,199	1,813,651	1,820,103	1,826,555
2.1 Salaries & Wages	867,000	982,100	229,432	1,128,943	1,128,943	1,128,943	1,128,943	1,128,943
2.3 Overtime	29,900	40,000	10,137	40,000	40,000	40,000	40,000	40,000
2.4 Employee Benefits	220,100	285,100	62,700	322,604	329,056	335,508	341,960	348,412
4.2 Supplies & Other	268,900	402,000	50,186	303,200	303,200	303,200	303,200	303,200
Employee Uniform Expense	106,600	85,000	19,130	85,000	85,000	85,000	85,000	85,000
Inspection and Permit Fees	-	5,500	288	-	-	-	-	-
Memberships, Licenses & Subscriptions	900	2,300	-	1,000	1,000	1,000	1,000	1,000
Mileage and Parking	14,400	5,000	2,848	5,000	5,000	5,000	5,000	5,000
Miscellaneous Expense	-	-	-	-	-	-	-	-
Office Supplies	13,800	7,200	19,979	7,200	7,200	7,200	7,200	7,200
Operating Supplies	700	-	-	-	-	-	-	-
Training and Internal Meetings	105,700	246,000	7,942	175,000	175,000	175,000	175,000	175,000
Travel	26,800	50,000	-	30,000	30,000	30,000	30,000	30,000
Tuition Refund	-	1,000	-	-	-	-	-	-
4.3 Contractual Services	2,200	15,000	-	6,000	6,000	6,000	6,000	6,000
Contractual Professional Services	2,200	15,000	-	6,000	6,000	6,000	6,000	6,000
882111 - Water Engineering	1,460,000	1,360,900	289,875	1,308,236	1,311,284	1,309,332	1,312,379	1,315,427
2.1 Salaries & Wages	2,005,300	1,963,500	496,214	1,901,251	1,901,251	1,901,251	1,901,251	1,901,251
2.3 Overtime	134,200	100,000	34,634	120,000	120,000	120,000	120,000	120,000
2.4 Employee Benefits	539,700	582,300	137,940	548,278	559,244	570,210	581,175	592,141
4.2 Supplies & Other	151,200	92,800	9,536	79,300	79,300	74,300	74,300	74,300
Capital Outlay less than \$5,000	80,600	5,000	-	5,000	5,000	-	-	-
Employee Uniform Expense	5,600	12,000	1,465	10,000	10,000	10,000	10,000	10,000
Memberships, Licenses & Subscriptions	1,900	9,700	1,874	6,700	6,700	6,700	6,700	6,700
Mileage and Parking	21,000	18,000	3,330	18,000	18,000	18,000	18,000	18,000
Office Supplies	7,900	13,000	328	13,000	13,000	13,000	13,000	13,000
Operating Supplies	3,300	3,500	-	3,500	3,500	3,500	3,500	3,500
Postage	-	100	-	100	100	100	100	100
Rentals-Miscellaneous	3,000	-	-	-	-	-	-	-
Supplies & Other - Covid19	200	-	-	-	-	-	-	-
Training and Internal Meetings	9,600	18,500	2,540	10,000	10,000	10,000	10,000	10,000
Travel	12,100	10,000	-	10,000	10,000	10,000	10,000	10,000
Tuition Refund	6,000	3,000	-	3,000	3,000	3,000	3,000	3,000
4.3 Contractual Services	549,600	290,000	90,426	550,000	550,000	550,000	550,000	550,000
Contractual Professional Services	549,600	290,000	90,426	550,000	550,000	550,000	550,000	550,000
5.1 Capital Program Allocation	(1,920,000)	(1,667,700)	(478,875)	(1,890,594)	(1,898,511)	(1,906,429)	(1,914,347)	(1,922,265)

Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
882121 - Water Quality	2,107,800	1,944,700	555,541	1,964,549	1,978,676	1,999,803	1,991,930	2,006,058
2.1 Salaries & Wages	1,123,100	1,186,800	307,405	1,221,097	1,221,097	1,221,097	1,221,097	1,221,097
2.3 Overtime	129,200	50,800	20,206	50,800	50,800	50,800	50,800	50,800
2.4 Employee Benefits	555,500	453,300	148,390	456,352	465,479	474,606	483,733	492,860
4.1 Chemicals	89,200	60,000	30,144	103,500	103,500	103,500	103,500	103,500
4.2 Supplies & Other	91,400	114,300	22,202	80,300	80,300	80,300	80,300	80,300
Capital Outlay less than \$5,000	12,700	15,000	395	-	-	-	-	-
Memberships, Licenses & Subscriptions	300	500	-	500	500	500	500	500
Mileage and Parking	-	200	-	200	200	200	200	200
Office Supplies	14,100	10,000	6,084	10,000	10,000	10,000	10,000	10,000
Operating Supplies	64,300	86,600	15,723	67,600	67,600	67,600	67,600	67,600
Printing	-	2,000	-	2,000	2,000	2,000	2,000	2,000
4.3 Contractual Services	61,800	79,500	27,194	52,500	57,500	69,500	52,500	57,500
Contractual Operating Services	61,800	79,000	27,194	52,000	57,000	69,000	52,000	57,000
Contractual Professional Services	-	500	-	500	500	500	500	500
5.2 Shared Services	57,600	-	-	-	-	-	-	-
Shared Services : Salaries & Wages Reimb	11,900	-	-	-	-	-	-	-
Shared Services Reimbursement	40,900	-	-	-	-	-	-	-
Shared Services: Employee Benefit Reimb	4,800	-	-	-	-	-	-	-
882131 - Water Works Park	8,792,800	8,729,500	1,868,562	9,053,055	9,067,520	9,066,685	9,081,150	9,095,615
2.1 Salaries & Wages	1,793,500	1,888,200	479,063	1,974,567	1,974,567	1,974,567	1,974,567	1,974,567
2.2 Workforce Development	109,500	94,500	9,485	36,525	36,525	36,525	36,525	36,525
2.3 Overtime	486,400	500,000	114,103	511,111	511,111	511,111	511,111	511,111
2.4 Employee Benefits	804,400	763,100	209,000	723,253	737,718	752,183	766,648	781,113
3.1 Electric	2,114,600	2,000,000	461,586	2,050,000	2,050,000	2,050,000	2,050,000	2,050,000
3.2 Gas	223,400	250,000	11,484	240,000	240,000	240,000	240,000	240,000
3.3 Sewage Service	25,700	95,000	4,831	25,000	25,000	25,000	25,000	25,000
4.1 Chemicals	1,170,600	936,900	308,466	1,165,700	1,165,700	1,165,700	1,165,700	1,165,700
4.2 Supplies & Other	639,000	822,000	58,643	655,000	655,000	655,000	655,000	655,000
Capital Outlay less than \$5,000	43,000	50,000	1,890	30,000	30,000	30,000	30,000	30,000
Inspection and Permit Fees	700	2,500	1,881	1,500	1,500	1,500	1,500	1,500
Memberships, Licenses & Subscriptions	700	1,000	190	1,000	1,000	1,000	1,000	1,000
Mileage and Parking	-	1,000	-	-	-	-	-	-
Office Supplies	14,200	9,000	4,574	10,000	10,000	10,000	10,000	10,000
Operating Supplies	131,600	129,500	18,561	129,500	129,500	129,500	129,500	129,500
Operating Supplies-Janitorial	10,900	15,000	1,648	15,000	15,000	15,000	15,000	15,000
Repairs & Maintenance-Equipment	435,200	613,500	29,369	468,000	468,000	468,000	468,000	468,000
Supplies & Other - Covid19	2,700	-	530	-	-	-	-	-
Tuition Refund	-	500	-	-	-	-	-	-
4.3 Contractual Services	1,425,700	1,379,800	211,902	1,671,900	1,671,900	1,656,600	1,656,600	1,656,600
Contract Services-Information Technology	202,500	191,000	-	316,000	316,000	301,000	301,000	301,000
Contractual Buildings & Grounds Maint	519,300	576,000	69,208	585,100	585,100	584,800	584,800	584,800
Contractual Operating Services	481,800	315,800	19,075	468,800	468,800	468,800	468,800	468,800
Contractual Professional Services	212,700	295,000	123,618	295,000	295,000	295,000	295,000	295,000
Telecom, Managed Security & Network Svcs	9,400	2,000	-	7,000	7,000	7,000	7,000	7,000



Water Operations
Budget & Five-Year Plan
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Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
882141 - Springwells Water Plant	12,537,000	13,631,400	4,258,676	13,616,489	13,631,030	13,642,272	13,656,814	13,671,356
2.1 Salaries & Wages	1,913,600	1,855,600	496,584	1,891,219	1,891,219	1,891,219	1,891,219	1,891,219
2.2 Workforce Development	108,300	128,300	27,903	143,395	143,395	143,395	143,395	143,395
2.3 Overtime	491,600	400,000	125,543	388,889	388,889	388,889	388,889	388,889
2.4 Employee Benefits	824,700	753,100	219,450	727,085	741,627	756,169	770,711	785,252
3.1 Electric	2,935,100	3,100,000	1,126,752	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
3.2 Gas	263,800	280,200	23,168	280,300	280,300	280,300	280,300	280,300
4.1 Chemicals	1,322,700	1,600,000	648,718	1,981,000	1,981,000	1,981,000	1,981,000	1,981,000
4.2 Supplies & Other	430,500	612,400	123,672	478,400	478,400	478,400	478,400	478,400
Capital Outlay less than \$5,000	15,700	10,400	-	20,000	20,000	20,000	20,000	20,000
Inspection and Permit Fees	200	4,100	288	1,500	1,500	1,500	1,500	1,500
Memberships, Licenses & Subscriptions	500	500	190	500	500	500	500	500
Mileage and Parking	1,000	1,000	-	1,000	1,000	1,000	1,000	1,000
Office Supplies	14,600	11,200	1,782	11,200	11,200	11,200	11,200	11,200
Operating Supplies	150,200	124,100	4,952	156,100	156,100	156,100	156,100	156,100
Operating Supplies-Janitorial	13,800	10,000	521	10,000	10,000	10,000	10,000	10,000
Repairs & Maintenance-Equipment	232,800	449,100	115,779	276,100	276,100	276,100	276,100	276,100
Supplies & Other - Covid19	200	-	-	-	-	-	-	-
Tuition Refund	1,500	2,000	161	2,000	2,000	2,000	2,000	2,000
4.3 Contractual Services	4,246,700	4,901,800	1,466,887	4,726,200	4,726,200	4,722,900	4,722,900	4,722,900
Contract Services-Information Technology	46,100	95,000	43,363	120,000	120,000	117,000	117,000	117,000
Contractual Buildings & Grounds Maint	890,400	365,000	61,865	411,100	411,100	410,800	410,800	410,800
Contractual Operating Services	3,202,600	4,165,400	1,291,425	3,944,500	3,944,500	3,944,500	3,944,500	3,944,500
Contractual Professional Services	107,600	276,400	70,234	250,600	250,600	250,600	250,600	250,600
882151 - Northeast Water Plant	9,302,700	10,229,900	2,300,437	10,786,358	10,799,252	10,809,845	10,822,738	10,835,631
2.1 Salaries & Wages	1,621,300	1,885,900	430,939	1,793,973	1,793,973	1,793,973	1,793,973	1,793,973
2.2 Workforce Development	47,900	33,800	11,088	70,346	70,346	70,346	70,346	70,346
2.3 Overtime	398,400	250,000	125,481	250,001	250,001	250,001	250,001	250,001
2.4 Employee Benefits	671,900	678,900	186,010	650,012	663,012	676,013	689,013	702,013
3.1 Electric	3,069,400	2,800,000	940,868	2,800,000	2,800,000	2,800,000	2,800,000	2,800,000
3.2 Gas	161,400	153,100	10,901	153,100	153,100	153,100	153,100	153,100
3.3 Sewage Service	127,000	130,000	23,527	130,000	130,000	130,000	130,000	130,000
3.4 Water Service	-	2,000	-	2,000	2,000	2,000	2,000	2,000
4.1 Chemicals	1,136,300	1,000,000	342,745	1,518,500	1,518,500	1,518,500	1,518,500	1,518,500
4.2 Supplies & Other	552,200	365,000	75,011	364,100	364,100	364,100	364,100	364,100
Capital Outlay less than \$5,000	34,800	10,000	14,576	10,000	10,000	10,000	10,000	10,000
Inspection and Permit Fees	7,500	4,200	275	3,200	3,200	3,200	3,200	3,200
Memberships, Licenses & Subscriptions	1,400	1,500	285	1,500	1,500	1,500	1,500	1,500
Mileage and Parking	100	1,000	-	500	500	500	500	500
Office Supplies	8,100	5,200	1,501	5,200	5,200	5,200	5,200	5,200
Operating Supplies	140,300	115,400	25,785	116,000	116,000	116,000	116,000	116,000
Operating Supplies-Janitorial	15,300	12,000	1,952	12,000	12,000	12,000	12,000	12,000
Postage	100	100	-	100	100	100	100	100
Repairs & Maintenance-Equipment	342,800	215,600	28,577	215,600	215,600	215,600	215,600	215,600
Supplies & Other - Covid19	1,800	-	60	-	-	-	-	-
Tuition Refund	-	-	2,000	-	-	-	-	-
4.3 Contractual Services	1,537,700	2,996,800	150,948	3,078,100	3,078,100	3,075,800	3,075,800	3,075,800
Contract Services-Information Technology	5,700	66,600	2,734	86,600	86,600	84,600	84,600	84,600
Contractual Buildings & Grounds Maint	440,500	318,300	43,311	379,400	379,400	379,100	379,100	379,100
Contractual Operating Services	976,300	2,385,900	34,669	2,386,100	2,386,100	2,386,100	2,386,100	2,386,100
Contractual Professional Services	115,200	226,000	70,234	226,000	226,000	226,000	226,000	226,000
5.1 Capital Program Allocation	(20,800)	(65,600)	2,918	(23,772)	(23,879)	(23,986)	(24,094)	(24,201)



Water Operations
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Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
882161 - Southwest Water Plant	9,257,200	9,407,500	2,123,622	9,807,919	9,825,712	9,836,205	9,848,998	9,861,791
2.1 Salaries & Wages	1,627,400	1,714,600	403,200	1,753,673	1,753,673	1,753,673	1,753,673	1,753,673
2.2 Workforce Development	26,400	-	18,399	73,050	73,050	73,050	73,050	73,050
2.3 Overtime	518,400	400,000	113,998	450,000	450,000	450,000	450,000	450,000
2.4 Employee Benefits	666,000	651,600	177,650	658,545	671,716	684,887	698,057	711,228
3.1 Electric	1,436,600	1,270,000	384,350	1,270,000	1,270,000	1,270,000	1,270,000	1,270,000
3.2 Gas	154,000	140,000	7,886	140,000	140,000	140,000	140,000	140,000
3.3 Sewage Service	319,200	350,000	8,626	350,000	350,000	350,000	350,000	350,000
3.4 Water Service	600	500	(0)	500	500	500	500	500
4.1 Chemicals	648,300	451,700	231,635	693,600	693,600	693,600	693,600	693,600
4.2 Supplies & Other	397,900	731,900	278,952	724,400	729,400	729,400	729,400	729,400
Capital Outlay less than \$5,000	62,000	25,000	17,513	35,000	35,000	35,000	35,000	35,000
Inspection and Permit Fees	700	3,000	1,675	3,000	3,000	3,000	3,000	3,000
Memberships, Licenses & Subscriptions	-	1,500	95	800	800	800	800	800
Mileage and Parking	-	1,000	-	100	100	100	100	100
Office Supplies	12,100	9,000	643	9,000	9,000	9,000	9,000	9,000
Operating Supplies	86,400	129,200	4,983	129,300	129,300	129,300	129,300	129,300
Operating Supplies-Janitorial	14,600	10,000	1,963	10,000	10,000	10,000	10,000	10,000
Property Taxes	2,200	260,200	240,791	245,200	250,200	250,200	250,200	250,200
Rentals-Miscellaneous	-	3,000	-	3,000	3,000	3,000	3,000	3,000
Repairs & Maintenance-Equipment	219,900	289,000	7,702	289,000	289,000	289,000	289,000	289,000
Supplies & Other - Covid19	-	-	3,587	-	-	-	-	-
Tuition Refund	-	1,000	-	-	-	-	-	-
4.3 Contractual Services	3,551,800	3,769,100	520,382	3,782,700	3,782,700	3,780,400	3,780,400	3,780,400
Contract Services-Information Technology	12,000	90,000	17,353	107,000	107,000	105,000	105,000	105,000
Contractual Buildings & Grounds Maint	355,800	527,000	42,283	533,100	533,100	532,800	532,800	532,800
Contractual Operating Services	3,066,900	2,905,100	389,513	2,895,600	2,895,600	2,895,600	2,895,600	2,895,600
Contractual Professional Services	117,100	247,000	71,234	247,000	247,000	247,000	247,000	247,000
5.1 Capital Program Allocation	(89,400)	(71,900)	(21,455)	(88,548)	(88,926)	(89,304)	(89,682)	(90,060)



Water Operations
Budget & Five-Year Plan
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Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
882171 - Lake Huron Water Plant	12,435,000	12,031,300	2,906,015	12,594,771	12,606,872	12,616,672	12,628,773	12,640,874
2.1 Salaries & Wages	1,650,900	1,709,400	413,047	1,671,342	1,671,342	1,671,342	1,671,342	1,671,342
2.3 Overtime	246,700	350,000	62,279	350,000	350,000	350,000	350,000	350,000
2.4 Employee Benefits	725,400	649,800	190,190	605,029	617,129	629,230	641,331	653,431
3.1 Electric	6,466,400	6,100,000	1,752,703	6,500,000	6,500,000	6,500,000	6,500,000	6,500,000
3.2 Gas	145,100	180,000	5,244	180,000	180,000	180,000	180,000	180,000
3.3 Sewage Service	68,300	70,000	11,380	70,000	70,000	70,000	70,000	70,000
3.4 Water Service	-	1,000	-	1,000	1,000	1,000	1,000	1,000
4.1 Chemicals	1,202,300	1,005,300	273,689	1,200,300	1,200,300	1,200,300	1,200,300	1,200,300
4.2 Supplies & Other	939,700	557,100	46,219	677,200	677,200	677,200	677,200	677,200
Capital Outlay less than \$5,000	31,000	15,000	8,619	15,000	15,000	15,000	15,000	15,000
Inspection and Permit Fees	800	3,000	-	1,000	1,000	1,000	1,000	1,000
Memberships, Licenses & Subscriptions	800	1,500	-	1,000	1,000	1,000	1,000	1,000
Mileage and Parking	2,000	3,000	-	3,000	3,000	3,000	3,000	3,000
Office Supplies	9,400	9,000	3,810	9,000	9,000	9,000	9,000	9,000
Operating Supplies	213,900	202,000	30,632	211,500	211,500	211,500	211,500	211,500
Operating Supplies-Automotive	8,900	9,600	-	-	-	-	-	-
Operating Supplies-Janitorial	7,100	6,500	3,335	6,500	6,500	6,500	6,500	6,500
Postage	-	500	-	200	200	200	200	200
Property Taxes	6,400	8,000	-	8,000	8,000	8,000	8,000	8,000
Repairs & Maintenance-Equipment	659,200	297,000	(175)	422,000	422,000	422,000	422,000	422,000
Supplies & Other - Covid19	200	-	-	-	-	-	-	-
Tuition Refund	-	2,000	-	-	-	-	-	-
4.3 Contractual Services	990,200	1,408,700	151,263	1,339,900	1,339,900	1,337,600	1,337,600	1,337,600
Contract Services-Information Technology	-	65,000	8,734	88,000	88,000	86,000	86,000	86,000
Contractual Buildings & Grounds Maint	140,500	285,000	12,760	311,100	311,100	310,800	310,800	310,800
Contractual Operating Services	701,300	824,700	52,035	706,800	706,800	706,800	706,800	706,800
Contractual Professional Services	148,400	234,000	77,734	234,000	234,000	234,000	234,000	234,000
882321 - Ford Rd Pumping Station	470,700	423,700	188,812	423,700	423,700	423,700	423,700	423,700
3.1 Electric	442,000	400,000	114,023	400,000	400,000	400,000	400,000	400,000
3.2 Gas	3,400	3,700	112	3,700	3,700	3,700	3,700	3,700
4.2 Supplies & Other	25,300	20,000	74,677	20,000	20,000	20,000	20,000	20,000
Repairs & Maintenance-Equipment	25,300	20,000	74,677	20,000	20,000	20,000	20,000	20,000
882322 - Eastside Pumping Station	35,100	53,000	8,972	53,500	53,500	53,500	53,500	53,500
3.1 Electric	24,000	30,000	7,015	30,000	30,000	30,000	30,000	30,000
3.2 Gas	4,100	3,000	76	3,500	3,500	3,500	3,500	3,500
4.2 Supplies & Other	7,000	20,000	1,880	20,000	20,000	20,000	20,000	20,000
Repairs & Maintenance-Equipment	7,000	20,000	1,880	20,000	20,000	20,000	20,000	20,000
882323 - Northwest Pumping Station	41,300	27,000	7,719	35,700	35,700	35,700	35,700	35,700
3.1 Electric	34,500	10,000	6,025	25,000	25,000	25,000	25,000	25,000
3.3 Sewage Service	200	500	69	200	200	200	200	200
3.4 Water Service	400	500	83	500	500	500	500	500
4.2 Supplies & Other	6,200	16,000	1,541	10,000	10,000	10,000	10,000	10,000
Repairs & Maintenance-Equipment	6,200	16,000	1,541	10,000	10,000	10,000	10,000	10,000

Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
882324 - West Service Center Pumping Station								
Station	756,200	799,300	216,504	798,700	798,700	798,700	798,700	798,700
3.1 Electric	678,700	650,000	214,966	650,000	650,000	650,000	650,000	650,000
3.2 Gas	6,200	8,000	82	7,000	7,000	7,000	7,000	7,000
4.2 Supplies & Other	71,300	141,300	1,456	141,700	141,700	141,700	141,700	141,700
Repairs & Maintenance-Equipment	71,300	141,300	1,456	141,700	141,700	141,700	141,700	141,700
882325 - Michigan Ave Pumping Station								
3.1 Electric	98,900	85,000	21,815	90,000	90,000	90,000	90,000	90,000
3.3 Sewage Service	100	1,000	12	200	200	200	200	200
3.4 Water Service	200	1,000	15	500	500	500	500	500
4.2 Supplies & Other	20,400	15,000	3,487	15,000	15,000	15,000	15,000	15,000
Repairs & Maintenance-Equipment	20,400	15,000	3,487	15,000	15,000	15,000	15,000	15,000
882326 - West Chicago Rd Pumping Station								
3.1 Electric	24,700	30,000	3,262	30,000	30,000	30,000	30,000	30,000
4.2 Supplies & Other	10,400	6,000	336	7,000	7,000	7,000	7,000	7,000
Repairs & Maintenance-Equipment	10,400	6,000	336	7,000	7,000	7,000	7,000	7,000
882327 - Electric Ave Pumping Station								
3.1 Electric	17,000	16,000	2,341	16,000	16,000	16,000	16,000	16,000
4.2 Supplies & Other	11,600	3,500	213	5,500	5,500	5,500	5,500	5,500
Repairs & Maintenance-Equipment	11,600	3,500	213	5,500	5,500	5,500	5,500	5,500
882328 - Orion Township Pumping Station								
3.1 Electric	77,800	70,000	24,284	70,000	70,000	70,000	70,000	70,000
3.2 Gas	200	2,000	63	1,000	1,000	1,000	1,000	1,000
4.2 Supplies & Other	100	2,500	2,455	2,500	2,500	2,500	2,500	2,500
Repairs & Maintenance-Equipment	100	2,500	2,455	2,500	2,500	2,500	2,500	2,500
882329 - North Service Center Pumping Station								
Station	2,372,700	2,416,000	651,687	2,461,000	2,461,000	2,461,000	2,461,000	2,461,000
3.1 Electric	2,105,800	1,950,000	631,710	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
3.2 Gas	25,600	30,000	55	25,000	25,000	25,000	25,000	25,000
4.2 Supplies & Other	241,300	436,000	19,922	436,000	436,000	436,000	436,000	436,000
Repairs & Maintenance-Equipment	241,300	436,000	19,922	436,000	436,000	436,000	436,000	436,000
882330 - Adams Road Pumping Station								
3.1 Electric	551,600	500,000	206,957	500,000	500,000	500,000	500,000	500,000
4.2 Supplies & Other	103,800	105,000	5,700	105,000	105,000	105,000	105,000	105,000
Repairs & Maintenance-Equipment	103,800	105,000	5,700	105,000	105,000	105,000	105,000	105,000
882331 - Newburgh Pumping Station								
3.1 Electric	351,200	365,000	112,972	365,000	365,000	365,000	365,000	365,000
4.2 Supplies & Other	7,600	25,000	3,840	15,000	15,000	15,000	15,000	15,000
Repairs & Maintenance-Equipment	7,600	25,000	3,840	15,000	15,000	15,000	15,000	15,000
882332 - Franklin Road Pumping Station								
3.1 Electric	816,600	750,000	208,134	750,000	750,000	750,000	750,000	750,000
4.2 Supplies & Other	82,300	165,000	20,963	125,000	125,000	125,000	125,000	125,000
Repairs & Maintenance-Equipment	82,300	165,000	20,963	125,000	125,000	125,000	125,000	125,000
882333 - Roseville Pumping Station								
3.3 Sewage Service	200	-	-	300	300	300	300	300
	200	-	-	300	300	300	300	300



Water Operations
Budget & Five-Year Plan
FY 2022 through FY 2026

Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
882334 - Wick Road Pumping Station	628,400	589,500	185,801	605,500	605,500	605,500	605,500	605,500
3.1 Electric	515,700	494,000	165,757	500,000	500,000	500,000	500,000	500,000
3.2 Gas	2,800	5,000	105	5,000	5,000	5,000	5,000	5,000
3.3 Sewage Service	400	500	39	500	500	500	500	500
4.2 Supplies & Other	109,500	90,000	19,901	100,000	100,000	100,000	100,000	100,000
Repairs & Maintenance-Equipment	109,500	90,000	19,901	100,000	100,000	100,000	100,000	100,000
882335 - Joy Road Pumping Station	650,300	657,500	186,645	662,500	662,500	662,500	662,500	662,500
3.1 Electric	596,000	525,000	174,818	550,000	550,000	550,000	550,000	550,000
3.2 Gas	3,000	3,000	108	3,000	3,000	3,000	3,000	3,000
3.3 Sewage Service	400	500	59	500	500	500	500	500
4.2 Supplies & Other	50,900	129,000	11,660	109,000	109,000	109,000	109,000	109,000
Repairs & Maintenance-Equipment	50,900	129,000	11,660	109,000	109,000	109,000	109,000	109,000
882336 - Schoolcraft Pumping Station	463,000	416,000	118,452	433,000	433,000	433,000	433,000	433,000
3.1 Electric	381,500	370,000	107,637	380,000	380,000	380,000	380,000	380,000
3.2 Gas	3,300	3,000	50	3,000	3,000	3,000	3,000	3,000
4.2 Supplies & Other	78,200	43,000	10,765	50,000	50,000	50,000	50,000	50,000
Repairs & Maintenance-Equipment	78,200	43,000	10,765	50,000	50,000	50,000	50,000	50,000
882337 - Ypsilanti Pumping Station	414,300	406,800	130,762	384,000	384,000	384,000	384,000	384,000
3.1 Electric	396,300	332,800	130,388	350,000	350,000	350,000	350,000	350,000
3.2 Gas	3,800	5,000	101	5,000	5,000	5,000	5,000	5,000
4.2 Supplies & Other	14,200	19,000	273	19,000	19,000	19,000	19,000	19,000
Repairs & Maintenance-Equipment	14,200	19,000	273	19,000	19,000	19,000	19,000	19,000
4.3 Contractual Services	-	50,000	-	10,000	10,000	10,000	10,000	10,000
Contractual Professional Services	-	50,000	-	10,000	10,000	10,000	10,000	10,000
882338 - Inlay Pumping Station	2,624,100	2,305,000	875,269	2,405,000	2,405,000	2,405,000	2,405,000	2,405,000
3.1 Electric	2,523,500	2,200,000	822,323	2,300,000	2,300,000	2,300,000	2,300,000	2,300,000
4.2 Supplies & Other	100,600	105,000	52,945	105,000	105,000	105,000	105,000	105,000
Repairs & Maintenance-Equipment	100,600	105,000	52,945	105,000	105,000	105,000	105,000	105,000
882339 - Rochester Pumping Station	245,100	231,000	189,832	218,000	218,000	218,000	218,000	218,000
3.1 Electric	218,600	170,000	189,653	185,000	185,000	185,000	185,000	185,000
3.2 Gas	8,200	6,000	119	7,000	7,000	7,000	7,000	7,000
3.3 Sewage Service	500	500	60	500	500	500	500	500
4.2 Supplies & Other	17,800	54,500	-	25,500	25,500	25,500	25,500	25,500
Repairs & Maintenance-Equipment	17,800	54,500	-	25,500	25,500	25,500	25,500	25,500
882340 - Haggerty Road Pumping Station	278,700	248,000	99,157	257,500	257,500	257,500	257,500	257,500
3.1 Electric	235,500	200,000	98,221	210,000	210,000	210,000	210,000	210,000
3.2 Gas	6,400	10,000	43	10,000	10,000	10,000	10,000	10,000
3.3 Sewage Service	500	1,000	151	500	500	500	500	500
4.2 Supplies & Other	36,300	37,000	741	37,000	37,000	37,000	37,000	37,000
Repairs & Maintenance-Equipment	36,300	37,000	741	37,000	37,000	37,000	37,000	37,000
887601 - Water System Operations								
Unallocated	-	1,729,300	-	2,722,989	5,119,501	7,282,591	10,421,417	10,421,417
7.0 Unallocated Reserve	-	1,729,300	-	2,722,989	5,119,501	7,282,591	10,421,417	10,421,417
Grand Total	\$ 68,889,800	\$ 71,966,400	\$ 18,259,999	\$ 74,977,266	\$ 77,470,910	\$ 79,702,633	\$ 82,911,591	\$ 83,003,723