

GLWA

Great Lakes Water Authority



Monthly Financial Report Binder

June 2022 (Unaudited)

**Presented to the
Great Lakes Water Authority
Audit Committee on September 23, 2022**

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Key Financial Metrics

The table below provides key report highlights and flags the financial risk of a budget shortfall by year-end as follows: No Risk (green) - Potential (yellow) - Likely (red)

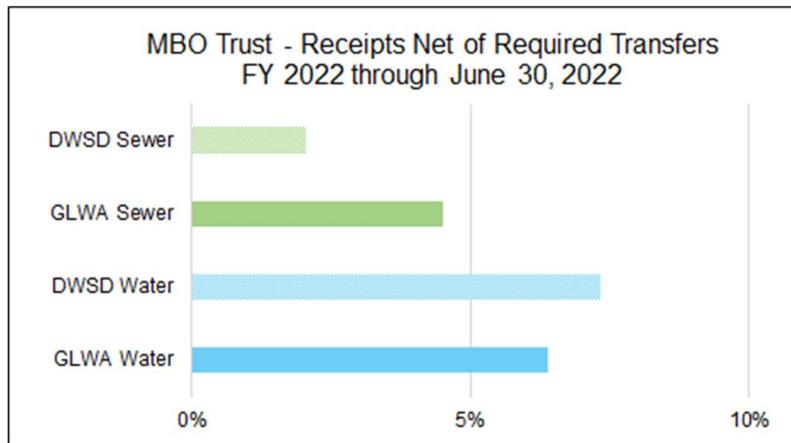
Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Budget amendments are prepared and presented quarterly based on most current information. To address the wholesale water revenue shortfall, a first and fourth quarter budget amendments were approved totaling \$4.9 million.

Capital spend reflects a noticeable variance from budgeted CIP for both the water and sewer funds. For the purposes of this metric, we compare actual spend with the Board-approved budget. For the purposes of managing the financial plan, budget amendments are made to align spending with resources available. The fourth quarter FY 2022 budget amendments were approved by the Board to achieve that alignment.

As of June 30, 2022					
Metric	FY 2022 Budget	FY 2022 Amended Budget	FY 2022 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$329.0	\$324.1	\$325.4	0%	46
Wholesale Water Billed Usage (mcf)	13,589,000	13,139,000	13,161,000	0%	
Wholesale Sewer Billed Revenue (\$M)	\$271.4	\$271.4	\$271.4	0%	48
Wholesale Water Operations & Maintenance (\$M)	\$143.9	\$143.9	\$128.9	-10%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$181.3	\$191.9	\$190.4	-1%	
Investment Income (\$M)	\$3.0	\$3.8	\$3.8	0%	35
Water Prorated Capital Spend w/SRA* (\$M)	\$134.3	\$134.3	\$159.0	18%	26
Sewer Prorated Capital Spend w/SRA* (\$M)	\$79.5	\$79.5	\$70.5	-11%	27

*SRA refers to the capital spending ratio assumption which allows capital program delivery realities to align with the financial plan.

Master Bond Ordinance (MBO) Trust Net Receipts (page 54)



Net cash flow receipts remain positive for GLWA Water and Sewer. This means that all legal commitments of the MBO Trust and the lease payment are fully funded – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water reports a surplus of \$7.5 million and DWSD Sewer reports a surplus of \$6.0

million of net receipts over disbursements through June 2022.

The DWSD loan receivable for fiscal year 2018 has now been paid in full. DWSD is closing fiscal year 2022 with positive net receipts in both Water and Sewer funds and no loan receivable balance.

Budget to Actual Analysis (page 3)

- FY 2022 information includes the fourth quarter budget amendments which were approved by the GLWA Board on June 22, 2022.
- This report is not final. Adjustments related to the fiscal year end 2022 audit will affect the Budget to Actual Analysis.
- The total Revenue Requirements are on target through June 2022.
- The total overall Operations & Maintenance expenses are at 95.1% of budget through June 2022.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for June 2022 is \$87.9 million for the Water fund (25.5% of total revenues) and \$118.2 million for the Sewer fund (25.1 % of total revenues).
- Water Net Position decreased by \$ 4.5 million, and Sewage Disposal Net Position decreased by \$ 5.0 million for the year to date through June 2022.

Capital Improvement Plan Financial Summary (page 28)

- Water systems exceed the 75% Capital Spend Ratio assumption.
- Sewer systems also exceed the 75% Capital Spend Ratio assumption.

Master Bond Ordinance Transfers (page 31)

- For June, transfers of \$13.6 million and \$28.2 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for June, transfers of \$3.9 million and \$7.0 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 35)

- Total cash & investments are \$353 million in the Water fund and \$446 million in the Sewer fund.
- Total, combined, cumulative, FY 2022 investment income through June is \$3.8 million.

DWSD Retail Revenues, Receivables & Collections (page 42)

- Water usage through June 30, 2022 is at 109.41% and revenues at 100.90% of budget.
- Sewer usage through June 30, 2022 is at 104.48% and revenues at 99.98% of budget.
- Combined accounts receivable balances for the water and sewer funds report an increase of \$52.3 million over the prior year.
- Past dues over 180 days make up 69.3% of the total accounts receivable balance. The current bad debt allowance covers 100.5% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 48)

- GLWA accounts receivable past due balance net of Highland Park is 9.40% of the total accounts receivable balance, with the majority of that balance related to one water account dispute currently under discussion.
- The Highland Park past due balance is \$53.4 million. It includes \$40.6 million for wastewater treatment services, \$1.8 million for industrial waste control services, and \$10.9 million for water supply services. Highland Park made a catch-up payment of \$1.7 million on June 3, 2022 and continues to make small, monthly payments since that time.

Questions? Contact the Office of the Chief Financial Officer at CFO@glwater.org



The Monthly Budget to Actual Analysis report includes the following three sections.

1. Revenue Requirement Budget Basis Analysis
2. Operations & Maintenance Budget – Major Budget Categories
3. Alignment of Operations & Maintenance Budget Priorities – Expense Variance Analysis

The FY 2022 information presented in these sections includes the fourth quarter budget amendments approved by the GLWA Board on June 22, 2022.

It is important to note that the tables in these sections are presented in a draft format. Adjustments related to the fiscal year end 2022 audit will affect the Budget to Actual Analysis. This includes the final amendment of the budget to allocate the administrative and centralized budget categories to the *water* and *sewer* categories.

Revenue Requirement Budget Basis Analysis - Draft

GLWA's annual revenue requirement represents the basis for calculating Member Partner charges and aligns with the Master Bond Ordinance flow of funds categories. The budget basis is not the same as the full accrual basis used for financial reporting although the revenues and operations and maintenance expense are largely reported on an accrual basis. The primary difference between the revenue requirement budget basis to the financial reporting basis is the treatment of debt service, legacy pension obligations, and lease related activities. The Revenue Requirement Basis is foundational to GLWA's daily operations, financial plan, and of most interest to key stakeholders.

Table 1A – Water Revenue Requirement Budget and **Table 1B – Sewer Revenue Requirement Budget** presents a year-over-year budget to actual performance report. The revenue requirement budget is accounted for in the operations and maintenance fund for each system. Since this report is for June 2022, the pro-rata benchmark is 100% (12 of 12 months of the fiscal year).

Items noted below are highlighted in gold on Tables 1A (Water) and 1B (Sewer).

1. **Revenues:** For *both* systems, FY 2022 revenues are slightly above target. Detailed schedules related to revenues are provided in the *Wholesale Billings, Collections, and Receivables* section of this financial report binder.

Water revenues presented in Table 1A differ from those presented in *Table 2 – Statement of Revenues, Expenses and Changes in Net Position* found in the *Basic Financial Statement* section of this report. Water Revenues presented in Table 1A for revenue requirement purposes are reduced by the monthly payment to the City of Flint for a license to raw water rights under the Flint Raw Water Contract as documented in Appendix A-2 of the [Flint Water Agreement](#). Through June 30, 2022, these payments total \$6.5 million for FY 2022.

2. **Investment Earnings:** Investment earnings is slightly over the pro-rata benchmark for FY 2022 for the *water* system at 101.1%; while the *sewer* system is slightly below the pro-rata benchmark at 98.2%. Detailed analysis of investment earnings activity to date can be found in the *Cash & Investment Income* section of this financial report binder.
3. **Other Revenues:** These are one-time and unusual items that do not fit an established revenue category. Both the *water* and *sewer* systems actual amount will vary from budget due to the nature of the items recorded in this category.
4. **Operations & Maintenance Expense:** Actual expenses¹ for *both* systems have variances from the pro-rata benchmark. The *water* system is below the pro-rata benchmark for FY 2022 at 89.6%. The *sewer* system O&M expenses, at 99.2%, is slightly below the pro-rata benchmark.
5. **Debt Service:** For both systems, debt service is slightly above the pro-rata benchmark for FY 2022; the *water* system is at 100.7%; while the *sewer* system is at 100.7%. The activity is based on the payment schedules adjusted for the State Revolving Fund loans that are still being drawn down.
6. **Operating Reserve Deposit:** GLWA has established a target balance in the O&M Fund of 45 days of operating expense which works in tandem with the I&E Funds to provide liquidity to the utility. Adequate funding is in place to meet this requirement; therefore, additional transfers to this reserve was not required in FY 2022.
7. **DWSD Budget Shortfall Pending:** To the extent that the local (DWSD) system experiences budgetary shortfalls as defined by the Water & Sewer Services Agreement, the GLWA budget is impacted.² Steps to proactively detect, and ideally prevent, this shortfall scenario were put into place with the 2018 Memorandum of Understanding (dated June 27, 2018). For FY 2021, DWSD management successfully implemented a formal plan to end the year with positive net cash flows for both the DWSD *water* system and the DWSD *sewer* system. For FY 2022, neither the DWSD *water* system nor the DWSD *sewer* system have budgetary shortfalls through June 30, 2022. GLWA and DWSD staff meet regularly to discuss steps to mitigate shortfalls, when they occur, as outlined in the 2018 MOU.
8. **Improvement & Extension (I&E) Fund Transfer Pending:** The contribution to the I&E Fund is for improvements, enlargements, extensions, or betterment of the *water* and *sewer* systems.
9. **Other Revenue Requirements:** The remaining revenue requirements for *both* systems are funded on a 1/12th basis each month in accordance with the Master Bond Ordinance.
10. **Overall:** Total revenue requirements for *both* systems are in line with the benchmark.

¹The tables in this analysis reflect actual amounts spent. If this analysis was on a master bond ordinance (MBO) basis, like that used for calculating debt service coverage, O&M "expense" would equal the pro-rata budget because 1/12 of the O&M budget is transferred monthly outside the MBO trust to an O&M bank account.

² As a reminder, the monthly O&M transfer for MBO purposes is at 1/12 of the budget to a DWSD O&M bank account outside the trust. Actual budget may be less than that amount providing an actual positive variance for DWSD.

Table 1A – Water Revenue Requirement Budget (year-over-year) – (\$000)

	FY2021 AMENDED BUDGET	FY 2021 ACTIVITY THRU 6/30/2021	Percent Year-to- Date	FY 2022 BOARD ADOPTED BUDGET	FY 2022 AMENDED BUDGET	FY 2022 ACTIVITY THRU 6/30/2022	Percent Year-to- Date
Water System							
Revenues							
Suburban Wholesale Customer Charges	\$ 317,034	\$ 315,772	99.6%	\$ 321,111	\$ 315,011	\$ 316,530	100.5%
Retail Service Charges	21,926	21,926	100.0%	21,697	21,697	21,697	100.0%
Investment Earnings	3,956	4,195	106.1%	1,047	1,924	1,946	101.1%
Other Revenues	229	268	116.8%	175	684	775	113.3%
Total Revenues	\$ 343,144	\$ 342,160	99.7%	\$ 344,031	\$ 339,316	\$ 340,948	100.5%
Revenue Requirements							
Operations & Maintenance Expense	\$ 134,127	\$ 118,841	88.6%	\$ 143,934	\$ 143,934	\$ 128,919	89.6%
General Retirement System Legacy Pension	6,048	6,048	100.0%	6,048	6,048	6,048	100.0%
Debt Service	137,436	138,100	100.5%	135,481	135,121	136,040	100.7%
General Retirement System Accelerated Pension	6,268	6,268	100.0%	6,268	6,268	6,268	100.0%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	1,669	1,669	100.0%	1,706	1,706	1,706	100.0%
Regional System Lease	22,500	22,500	100.0%	22,500	22,500	22,500	100.0%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall Pending Improvement & Extension Fund Transfer Pending	-	-	0.0%	-	-	-	0.0%
	35,095	35,095	100.0%	28,094	23,740	23,740	100.0%
Total Revenue Requirements	\$ 343,144	\$ 328,522	95.7%	\$ 344,031	\$ 339,316	\$ 325,220	95.8%
Net Difference		\$ 13,638				\$ 15,728	
<i>Recap of Net Positive Variance</i>							
Revenue Variance		\$ (984)				\$ 1,632	
Revenue Requirement Variance		14,622				14,096	
Overall Variance		\$ 13,638				\$ 15,728	

Table 1B – Sewer Revenue Requirement Budget (year-over-year) – (\$000)

	FY 2021 AMENDED BUDGET	FY 2021 ACTIVITY THRU 6/30/2021	Percent Year-to- Date	FY 2022 BOARD ADOPTED BUDGET	FY 2022 AMENDED BUDGET	FY 2022 ACTIVITY THRU 6/30/2022	Percent Year-to- Date
Sewer System							
Revenues							
Suburban Wholesale Customer Charges	\$ 272,454	\$ 267,568	98.2%	\$ 272,130	\$ 268,130	\$ 268,813	100.3%
Retail Service Charges	187,960	187,960	100.0%	188,662	188,662	188,662	100.0%
Industrial Waste Control Charges	7,685	8,005	104.2%	9,025	8,325	8,300	99.7%
Pollutant Surcharges	6,108	6,720	110.0%	4,189	5,089	5,182	101.8%
Investment Earnings	2,778	2,802	100.9%	1,023	1,876	1,842	98.2%
Other Revenues	2,195	2,217	101.0%	400	538	536	99.6%
Total Revenues	\$ 479,179	\$ 475,272	99.2%	\$ 475,429	\$ 472,620	\$ 473,335	100.2%
Revenue Requirements							
Operations & Maintenance Expense	\$ 182,296	\$ 172,313	94.5%	\$ 181,300	\$ 191,909	\$ 190,380	99.2%
General Retirement System Legacy Pension	10,824	10,824	100.0%	10,824	10,824	10,824	100.0%
Debt Service	201,780	201,945	100.1%	207,210	204,985	206,490	100.7%
General Retirement System Accelerated Pension	11,621	11,621	100.0%	11,621	11,621	11,621	100.0%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	2,415	2,415	100.0%	2,358	2,358	2,358	100.0%
Regional System Lease	27,500	27,500	100.0%	27,500	27,500	27,500	100.0%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall Pending Improvement & Extension Fund Transfer Pending	-	-	0.0%	-	-	-	0.0%
	42,743	42,743	100.0%	34,617	23,424	23,424	100.0%
Total Revenue Requirements	\$ 479,179	\$ 469,360	98.0%	\$ 475,429	\$ 472,620	\$ 472,597	100.0%
Net Difference		\$ 5,911				\$ 738	
<i>Recap of Net Positive Variance</i>							
Revenue Variance		\$ (3,907)				\$ 715	
Revenue Requirement Variance		9,819				23	
Overall Variance		\$ 5,911				\$ 738	

All amounts are unaudited unless otherwise noted.

Operations & Maintenance Budget – Major Budget Categories - Draft

The year-over-year benchmark ratio as of June 30, 2022, is 100% (twelve months). When comparing FY 2022 to FY 2021 in **Table 2 – Operations & Maintenance Budget – Major Budget Categories**, the overall spending is higher in FY 2022.

In addition to the four major budget categories, an internal charge cost center for employee benefits is shown in the table below. If the number is positive, it indicates that the internal cost allocation rate charges to other cost centers is not sufficient. A negative number indicates a surplus in the internal cost center. A moderate surplus is preferred as it provides a hedge for mid-year benefit program cost adjustments (premiums adjust on January 1 each year) as well as managing risk as the program is partially self-insured.

Table 2 – Operations & Maintenance Budget – Major Budget Categories – (\$000)

Major Budget Categories	FY 2021			FY 2022		FY 2022	
	FY 2021 AMENDED BUDGET	ACTIVITY THRU 6/30/2021	Percent Year-to-Date	BOARD ADOPTED BUDGET	FY 2022 AMENDED BUDGET	ACTIVITY THRU 6/30/2022	Percent Year-to-Date
Water	\$ 70,820	\$ 69,289	97.8%	\$ 74,813	\$ 76,422	\$ 74,380	97.3%
Sewer	114,975	106,769	92.9%	111,971	120,971	119,646	98.9%
Centralized	100,339	88,129	87.8%	103,846	103,846	91,882	88.5%
Administrative	30,290	26,967	89.0%	34,603	34,603	33,391	96.5%
Employee Benefits	-	-	0.0%	-	-	-	0.0%
Total O&M Budget	\$ 316,424	\$ 291,154	92.0%	\$ 325,234	\$ 335,842	\$ 319,299	95.1%

Totals may be off due to rounding

Alignment of Operations & Maintenance Budget Priorities – Expense Variance Analysis - Draft

The purpose of **Table 3 – Operations & Maintenance Expense Variance Analysis** is to evaluate whether the actual spend rate within a natural cost category is in alignment with the budget. Given the effort to develop an accurate budget, a variance is a red flag of a *potential* budget amendment or misalignment of priorities.

Total: In total, the overall O&M expenses are at 95.1% which is reasonably within the pro-rata benchmark of 100%. This positive variance equates to a dollar amount of \$16.5 million. The expense category commentary is provided below for items highlighted on Table 3.

Personnel Costs: The overall category is slightly under the pro-rata benchmark; coming in at 95.7% through June 2022.

Utilities: The overall category is slightly above the pro-rata benchmark; coming in at 100.5% through June 2022. Variances within this category, when they occur, are not unexpected as usage varies throughout the year.

- **Electric** is slightly lower than the pro-rata benchmark, coming in at 99.6%. The first three months of GLWA's fiscal year (July, August, and September) are typically peak months for the usage of electricity. June, the last month of GLWA's fiscal year, is typically a peak month as well.
- **Gas** is coming in at 122.4% which is higher than the benchmark of 100%. The cost of natural gas per MMBTU has increased 125% since July 2021. In addition, increased production at the Biosolids Dryer Facility (BDF) and wastewater incineration has led to an increase in natural gas usage.
- **Sewage service** is slightly higher than the benchmark, coming in at 102.3%. Increased usage is being reported at the WRRF (in part due to bills being received for actual meter readings when in the past the bills had been estimated), the Biosolids Dryer Facility (BDF), and the Southwest Water Plant.
- **Water service** is less than the benchmark, coming in at 79.9%. As meters have been repaired or replaced at the WRRF, the billings that previously reported estimated readings have been replaced with actual readings. The actual readings were coming in higher than the estimated billings and the FY 2022 budget was amended to reflect this increase. After the development of the FY 2022 fourth quarter budget amendment, a reversal of a prior year accrual, of \$586,000, for water usage was posted in May 2022. In addition, the actual billings for the fourth quarter water usage came in less than what was estimated for this period.

Chemicals: This category is slightly higher than the pro-rate benchmark; coming in at 102.7% through June 2022. The FY 2022 budget was adjusted for the increase in chemical costs, however, variances within this category are not unexpected as usage varies throughout the year.

Supplies & Other: This category is lower than the benchmark; coming in at 84.8% through June 2022. Given that the nature of the items in this category are subject to one-time expenses that do not occur evenly throughout the year, variances are not unexpected. The effects of the COVID-19 pandemic continue to impact the FY 2022 activity: Training and travel, while resuming in FY 2022, have not returned to the level of spending as planned; and events such as the Town Hall Meetings and the Annual Open House at Water Works Park did not take place. Supply chain issues continue to cause delays in being able to order supplies such as computer equipment. The start times of the following projects experienced delays (although these projects are now underway): Enterprise Asset Management (EAM), Enterprise Resource Planning (ERP), and the Data Center Modernization projects.

Contractual Services: The category is slightly lower than the pro-rata benchmark; coming in at 96.7% through June 2022. Variances in this category, when they occur, are not unexpected as the usage of contracts varies throughout the year (projects scheduled to begin during the latter half of the year as well as contracts that are on an as needed basis).

Capital Program Allocation: This category is slightly lower than the benchmark; coming in at 98.1% through June 2022. The amount in the Capital Program Allocation account is shown as negative as this is a “contra” account which represents an offset to the Personnel Costs section of the Operations & Maintenance (O&M) budget.

Shared Services: This category is lower than the benchmark; coming in at 74.9% through June 2022. This variance is the result of true-up adjusting entries (FY 2018 through FY 2022), of \$394,800, that were posted to June 2022 and a reduction in services for ITS-009A IT Infrastructure for FY 2022 of \$394,000. The shared services reimbursement is comprised of both labor (tracked via BigTime) and expenses, such as annual fees for software licensing. Staff from both GLWA and DWSD have been working together to evaluate and refine the budget for the shared services agreements. Based on these evaluations, adjustments have been made to both the billings and accounting accruals to reflect the forecasted activity more accurately for FY 2022. In addition, it is important to note that some of the shared services agreements are not billed at a monthly rate of 1/12 of the annual budgeted amount.

Table 3 – Operations & Maintenance Expense Variance Analysis – (\$000)

Expense Categories	FY 2021 AMENDED BUDGET	FY 2021 ACTIVITY THRU 6/30/2021	Percent Year-to- Date at 6/30/2021	FY 2022		Percent Year-to- Date 6/30/2022	FY 2022 PRORATED BUDGET	FY 2022 ACTIVITY THRU 6/30/2022	FY 2022 PRORATED BUDGET LESS FY 2022 ACTIVITY
				FY 2022 AMENDED BUDGET	FY 2022 PRORATED BUDGET				
Entity-wide									
Salaries & Wages	\$ 67,306	\$ 64,911	96.4%	\$ 66,113	\$ 66,113	\$ 63,901	96.7%	\$ 2,213	
Workforce Development	895	829	92.7%	869	869	844	97.1%	25	
Overtime	7,537	7,365	97.7%	8,126	8,126	8,114	99.8%	12	
Employee Benefits	26,806	25,448	94.9%	25,956	25,956	24,205	93.3%	1,750	
Transition Services	8,557	8,392	98.1%	10,805	10,805	9,990	92.5%	815	
Employee Benefits Fund	-	-	0.0%	-	-	-	0.0%	-	
Personnel Costs	111,100	106,945	96.3%	111,869	111,869	107,053	95.7%	4,815	
Electric	41,554	41,982	101.0%	43,950	43,950	43,755	99.6%	195	
Gas	5,924	5,706	96.3%	7,081	7,081	8,664	122.4%	(1,583)	
Sewage Service	2,297	2,075	90.3%	2,510	2,510	2,568	102.3%	(57)	
Water Service	2,608	2,987	114.5%	5,841	5,841	4,669	79.9%	1,173	
Utilities	52,383	52,750	100.7%	59,383	59,383	59,656	100.5%	(273)	
Chemicals	14,362	13,982	97.4%	19,842	19,842	20,382	102.7%	(540)	
Supplies & Other	35,595	31,216	87.7%	35,034	35,034	29,710	84.8%	5,324	
Contractual Services	99,977	92,020	92.0%	111,198	111,198	107,527	96.7%	3,671	
Capital Program Allocation	(3,447)	(3,192)	92.6%	(2,684)	(2,684)	(2,632)	98.1%	(52)	
Shared Services	(4,512)	(2,567)	56.9%	(3,202)	(3,202)	(2,398)	74.9%	(804)	
Unallocated Reserve	10,966	-	0.0%	4,402	4,402	-	0.0%	4,402	
Total Expenses	\$ 316,424	\$ 291,154	92.0%	\$ 335,842	\$ 335,842	\$ 319,299	95.1%	\$ 16,544	

Totals may be off due to rounding



The Basic Financial Statements report includes the following four tables.

1. Statement of Net Position - All Funds Combined
2. Statement of Revenues, Expenses and Changes in Net Position – All Funds Combined
3. Supplemental Schedule of Operations & Maintenance Expenses -All Funds Combined
4. Supplemental Schedule of Nonoperating Expenses – All Funds Combined

At a macro level GLWA has two primary funds for financial reporting purposes: *Water Fund* and *Sewage Disposal Fund*. These funds represent the combined total of four sub-funds for each system that are used internally to properly account for sources and uses of funds. Those sub-funds for each system are: *Operations & Maintenance Fund*, *Improvement & Extension Fund*, *Construction Fund*, and *Capital Asset Fund*.

The June 2022 basic financial statements are presented in a draft format. Adjustments related to fiscal year end 2022 audit affect the basic financial statements. The results of these adjustments will be presented in the audited annual report. June 2021 comparative amounts shown in the tables below are presented based on final audited figures.

Statement of Net Position – All Funds Combined - Draft

Explanatory notes follow the Statement of Net Position shown in Table 1 below.

**Table 1 – Statement of Net Position - All Funds Combined - Draft
As of June 30, 2022
(\$000)**

	Water	Sewage Disposal	Total Business- type Activities	Comparative June 30, 2021
Assets				
Cash - unrestricted (a)	\$ 155,465	\$ 203,231	\$ 358,696	\$ 354,351
Cash - restricted (a)	61,272	41,066	102,338	162,646
Investments - unrestricted (a)	91,500	93,709	185,209	322,930
Investments - restricted (a)	40,219	104,227	144,445	70,225
Accounts Receivable	109,441	65,692	175,133	165,059
Due from (to) Other Funds (b)	3,514	(3,514)	-	-
Other Assets (c)	666,747	410,951	1,077,698	1,098,362
Capital Assets, net of Depreciation	1,293,660	2,138,778	3,432,437	3,546,027
Land	294,046	126,704	420,750	417,512
Construction Work in Process (e)	273,368	193,514	466,882	395,973
Total assets	2,989,231	3,374,357	6,363,588	6,533,085
Deferred Outflows (f)	52,808	129,689	182,497	225,074
Liabilities				
Liabilities - Liabilities-ST	177,213	176,842	354,055	329,279
Due to (from) Other Funds (b)	-	-	-	-
Other Liabilities (h)	2,000	5,500	7,500	7,500
Cash Held FBO DWSD (d)	11,371	9,098	20,470	6,064
Liabilities - Long-Term (i)	2,893,701	3,369,810	6,263,510	6,529,068
Total liabilities	3,084,285	3,561,250	6,645,535	6,871,911
Deferred Inflows (f)	59,502	60,655	120,157	96,380
Total net position (j)	\$ (101,748)	\$ (117,859)	\$ (219,607)	\$ (210,132)

Totals may be off due to rounding

In general, the Statement of Net Position reflects a mature organization with no unexpected trends.

An ongoing challenge is the Net Position Deficit. The underlying causes took years to build (largely heavy use of debt to finance capital asset investment versus a strategic blend of debt, state revolving funds, and cash). The effect is reflected in GLWA's high debt interest expense. The GLWA is regularly updating the FY 2032 forecast which helps to provide a pathway to a positive Net Position in the future.

Footnotes to Statement of Net Position

- a. *Cash and Investments* are reported at market value. Investments at June 30, 2021 are also reported at market value. The June 30, 2022 values differ from the Cash and Investment section of this Financial Report Binder due to timing of certain items recognized on a cash versus accrual basis.
- b. *Due from Other Funds* and *Due to Other Funds* are shown at gross for sub-fund activity.
- c. *Other Assets* primarily consists of the contractual obligation receivable from DWSD related to reimbursement of bonded indebtedness for local system improvements.
- d. *Cash Held FBO Advance (for benefit of) DWSD* and *Cash Held FBO DWSD* represents the net difference between DWSD retail cash received from customers and net financial commitments as outlined in the Master Bond Ordinance.
- e. *Construction Work in Process* represents the beginning balance of CWIP plus any construction spending during the fiscal year. The balance will fluctuate based on the level of spend less any capitalizations or write-offs.
- f. *Deferred Inflow* and *Deferred Outflow* relate mainly to financing activity and GLWA's share of the legacy General Retirement System (GRS) pension obligation.
- g. *Liabilities - Short-term* include accounts payable, retainage payable, and certain accrued liabilities. Some items, such as compensated absences and worker's compensation, are reviewed periodically but only adjusted in the interim if there is a material change.
- h. *Other Liabilities* account for the cash receipts set aside for the Budget Stabilization Fund and the Water Residential Assistance Program.
- i. *Liabilities – Long-term* include bonds payable, lease payable, and legacy General Retirement System pension liabilities.
- j. *Net Position Deficit* is defined by accounting standards as the residual of all other elements presented in a statement of financial position. It is the difference between (a) assets and deferred outflows of resources and (b) liabilities and deferred inflows of resources. A net deficit occurs when the liabilities and deferred inflows exceed assets and deferred outflows. GLWA's net deficit is largely driven by an increase in depreciation expense because of the increase in the acquisition valuation approach for recording capital asset values in the opening Statement of Net Position on January 2016. Efforts are underway to evaluate the net operating effect of this matter over the long term.

Statement of Revenues, Expenses and Changes in Net Position

– All Funds Combined - Draft

This statement, shown in Table 2, is presented in summary format. The accrual basis of revenues and operations and maintenance expense vary from the revenue requirement basis presented in the *Budget to Actual Analysis* and the *Wholesale Billings, Receivables & Collections* sections of the June 2022 Financial Report Binder. Prior year ending balances are provided in the June 30, 2021 column as a reference for comparative purposes. Explanatory notes follow this statement.

Water revenues presented below in Table 2 differ from those presented in *Table 1A – Water Revenue Requirement Budget* found in the *Budget to Actual Analysis* section of this report because water revenues presented in Table 1A for revenue requirement purposes are reduced by the monthly payment to the City of Flint for a license to raw water rights.

Table 2 – Statement of Revenues, Expenses and Changes in Net Position
– All Funds Combined - Draft
For the Twelve Months ended June 30, 2022
(\$000)

	Water	Percent of Revenue	Sewage Disposal	Percent of Revenue	Total Business- Type Activities	Comparative June 30, 2021
Revenue						
Wholesale customer charges	\$ 323,026	93.6%	\$ 268,813	57.0%	\$ 591,840	\$ 589,992
Local system charges	21,697	6.3%	188,662	40.0%	210,360	209,885
Industrial waste charges		0.0%	8,300	1.8%	8,300	8,005
Pollutant surcharges		0.0%	5,182	1.1%	5,182	6,720
Other revenues	236	0.1%	432	0.1%	668	767
Total Revenues	344,960	100.0%	471,389	100.0%	816,349	815,369
Operating expenses						
Operations and Maintenance	130,298	37.8%	194,744	41.3%	325,042	301,740
Depreciation	123,196	35.7%	158,014	33.5%	281,210	274,044
Amortization of intangible assets	3,567	1.0%	440	0.1%	4,006	3,677
Total operating expenses	257,061	74.5%	353,197	74.9%	610,258	579,460
Operating Income	87,899	25.5%	118,192	25.1%	206,091	235,909
Total Nonoperating (revenue) expense	92,382	26.8%	123,184	26.1%	215,565	224,464
Increase/(Decrease) in Net Position	(4,483)	-1.3%	(4,992)	-1.1%	(9,475)	11,445
Net Position (deficit), beginning of year	(97,266)		(112,867)		(210,132)	(221,578)
Net position (deficit), end of year	\$ (101,748)		\$ (117,859)		\$ (219,607)	\$ (210,132)

Totals may be off due to rounding

Water Fund

- ✓ The decrease in Water Fund Net Position is \$4.5 million.
- ✓ Wholesale water customer charges of \$323.0 million account for 93.6% of Water System revenues.
- ✓ Operating expenses of \$257.1 million represent 74.5% of total operating revenue. Depreciation is the largest operating expense at \$123.2 million or 47.9% of operating expense.
- ✓ Amortization of intangible assets represents activity for raw water rights.
- ✓ Operating income after operating expenses (including depreciation) equals \$87.9 million or 25.5% of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$78.5 million (this equates to the bonded debt interest expense less the offset from DWSD contractual obligation income).

Sewage Disposal Fund

- ✓ The decrease in the Sewage Disposal Fund Net Position is \$5.0 million.
- ✓ Wholesale customer charges of \$268.8 million account for 57.0% of Sewer System revenues. Wholesale customer charges are billed one-twelfth each month based on an agreed-upon historical average “share” of each customer’s historical flows which are formally revisited on a periodic basis. The result is no revenue shortfall or overestimation.
- ✓ Local system (DWSD) charges of \$188.7 million account for 40.0% of total operating revenues. These are also billed at one-twelfth of the annual revenue requirement.
- ✓ Operating expenses of \$353.2 million represent 74.9% of total operating revenue. Depreciation is the largest operating expense at \$158.0 million or 44.7% of total operating expense.
- ✓ Amortization of intangible assets represents activity for a warehouse lease.
- ✓ Operating income after operating expenses (including depreciation) equals \$118.2 million or 25.1% of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$91.6 million (this equates to the bonded debt interest expense less the offset from DWSD contractual obligation income).

Supplemental Schedule of Operations & Maintenance Expenses – All Funds Combined - Draft

This Supplemental Schedule of Operations & Maintenance Expenses (O&M) schedule is shown below in Table 3. This accrual basis of operations and maintenance expense may vary from the revenue requirement basis presented in the *Budget to Actual Analysis* section of the June 2022 Financial Report Binder. Explanatory notes follow this schedule.

**Table 3 – Supplemental Schedule of Operations & Maintenance Expenses
– All Funds Combined - Draft
For the Twelve Months ended June 30, 2022
(\$000)**

	Water	Percent of Total	Sewage Disposal	Percent of Total	Total Business- Type Activities	Percent of Total
Operating Expenses						
Personnel						
Salaries & Wages	21,342	16.4%	53,392	27.4%	74,734	23.0%
Overtime	5,181	4.0%	2,932	1.5%	8,114	2.5%
Benefits	16,744	12.9%	7,461	3.8%	24,205	7.4%
Total Personnel	\$ 43,267	33.2%	\$ 63,786	32.8%	\$ 107,053	32.9%
Utilities						
Electric	26,502	20.3%	17,253	8.9%	43,755	13.5%
Gas	1,480	1.1%	7,184	3.7%	8,664	2.7%
Sewage	740	0.6%	1,828	0.9%	2,568	0.8%
Water	4	0.0%	4,665	2.4%	4,669	1.4%
Total Utilities	\$ 28,725	22.0%	\$ 30,930	15.9%	\$ 59,656	18.4%
Chemicals	7,789	6.0%	12,593	6.5%	20,382	6.3%
Supplies and other	8,136	6.2%	20,933	10.7%	29,069	8.9%
Contractual services	45,812	35.2%	68,589	35.2%	114,402	35.2%
Capital Adjustment	-	0.0%	-	0.0%	-	0.0%
Capital program allocation	(1,618)	-1.2%	(1,014)	-0.5%	(2,632)	-0.8%
Intergovernmental Agreement	(187)	-0.1%	(303)	-0.2%	(490)	-0.2%
Shared services allocation	(1,627)	-1.2%	(771)	-0.4%	(2,398)	-0.7%
Operations and Maintenance Expenses	\$ 130,298	100.0%	\$ 194,744	100.0%	\$ 325,042	100.0%

Totals may be off due to rounding

- ✓ Core expenses for water and sewage disposal systems are utilities (18.4% of total O&M expenses) and chemicals (6.3% of total O&M expenses).
- ✓ Personnel costs (32.9% of total O&M expenses) include all salaries, wages, and benefits for employees as well as staff augmentation contracts that fill a vacant position (contractual transition services).
- ✓ Contractual services (35.2%) includes:
 - Water System costs of sludge removal and disposal services at the Northeast, Southwest and Springwells Water Treatment Plants (approximately \$7.7 million);
 - Sewage Disposal System costs for the operation and maintenance of the biosolids dryer facility (approximately \$16.5 million); and
 - Centralized and administrative contractual costs allocated to both systems for information technology, building maintenance, field, planning and other services.
- ✓ The Capital Program Allocation, Intergovernmental Agreement and Shared Services Allocation are shown as negative amounts because they are 'contra' expense accounts representing offsets to associated costs in other Operations and Maintenance expense categories.

Supplemental Schedule of Nonoperating Expenses – All Funds Combined - Draft

The Supplemental Schedule of Nonoperating Expenses – All Funds Combined is shown in Table 4. Explanatory notes follow this schedule.

Table 4 – Supplemental Schedule of Nonoperating Expenses – All Funds Combined - Draft
For the Twelve Months ended June 30, 2022
(\$000)

	Water	Sewage Disposal	Total Business-type Activities	Comparative June 30, 2021
Nonoperating (Revenue)/Expense				
Interest income contractual obligation	\$ (25,107)	\$ (17,013)	\$ (42,120)	\$ (43,087)
Interest income DWSD Shortfall	-	(145)	(145)	(635)
Investment earnings	(1,946)	(1,842)	(3,788)	(7,040)
Net (incr) decr in fair value of invstmt	4,307	4,865	9,172	5,781
Other nonoperating revenue	(377)	186	(190)	476
Interest Expense				
Bonded debt	103,646	108,638	212,284	218,857
Lease obligation	17,026	20,810	37,836	38,332
Other obligations	4,415	1,662	6,077	6,296
Total interest expense	125,086	131,110	256,197	263,485
Other non-capital expense	-	-	-	-
Memorandum of Understanding	-	-	-	-
Capital Contribution	-	(7,273)	(7,273)	(5,960)
Amortization, issuance costs, debt	(15,610)	2,292	(13,318)	(12,966)
(Gain) loss on disposal of capital assets	(10)	332	322	365
Loss on impairment of capital assets	-	-	-	-
Water Residential Assistance Program	1,050	1,743	2,793	1,517
Legacy pension expense	4,988	8,927	13,915	22,528
Total Nonoperating (Revenue)/Expense	\$ 92,382	\$ 123,184	\$ 215,565	\$ 224,464

Totals may be off due to rounding

- ✓ Interest income on contractual obligation relates to the portion of the total GLWA debt obligation attributable to DWSD. This interest income offsets the total debt interest expense paid by GLWA on behalf of both entities monthly.
- ✓ Interest income DWSD shortfall represents interest from a budgetary shortfall loan from fiscal years 2016, 2017 and 2018 and is paid in accordance with the 2018 Memorandum of Understanding (MOU).
- ✓ Investment earnings in this report are reflected at book value. Any differences between the Basic Financial report and Cash and Investment section of this Financial Report binder are due to accrued interest. FY 2021 market value

adjustments for Water and Sewer totaled \$1.5 million and \$1.0 million, respectively. FY 2022 market value adjustments for Water and Sewer totaled \$2.8 million and \$3.9 million, respectively.

- ✓ Interest expense, the largest category of nonoperating expenses, is made up of three components:
 - Bonded debt;
 - Lease obligation for the regional assets from the City of Detroit; and
 - Other obligations such as an obligation payable to the City of Detroit for an allocation BC Notes related to assumed DWSD liabilities; acquisition of raw water rights related to the KWA Pipeline.
- ✓ The FY 2022 capital contribution in Nonoperating (revenue) expense represents \$0.3 million from DTE for Freud upgrades and \$7.0m from Oakland Macomb Interceptor Drainage District for assets placed in service during FY 2022.
- ✓ The FY 2021 capital contribution in Nonoperating (revenue) expense represents one-half of an \$11.92 million payment made by Oakland Macomb Interceptor Drainage District (OMIDD). The payment was part of an amendment to the OMIDD Wastewater Disposal Services Contract and was split between FY 2020 and FY 2021 based on budgeted revenue requirements for those respective years.

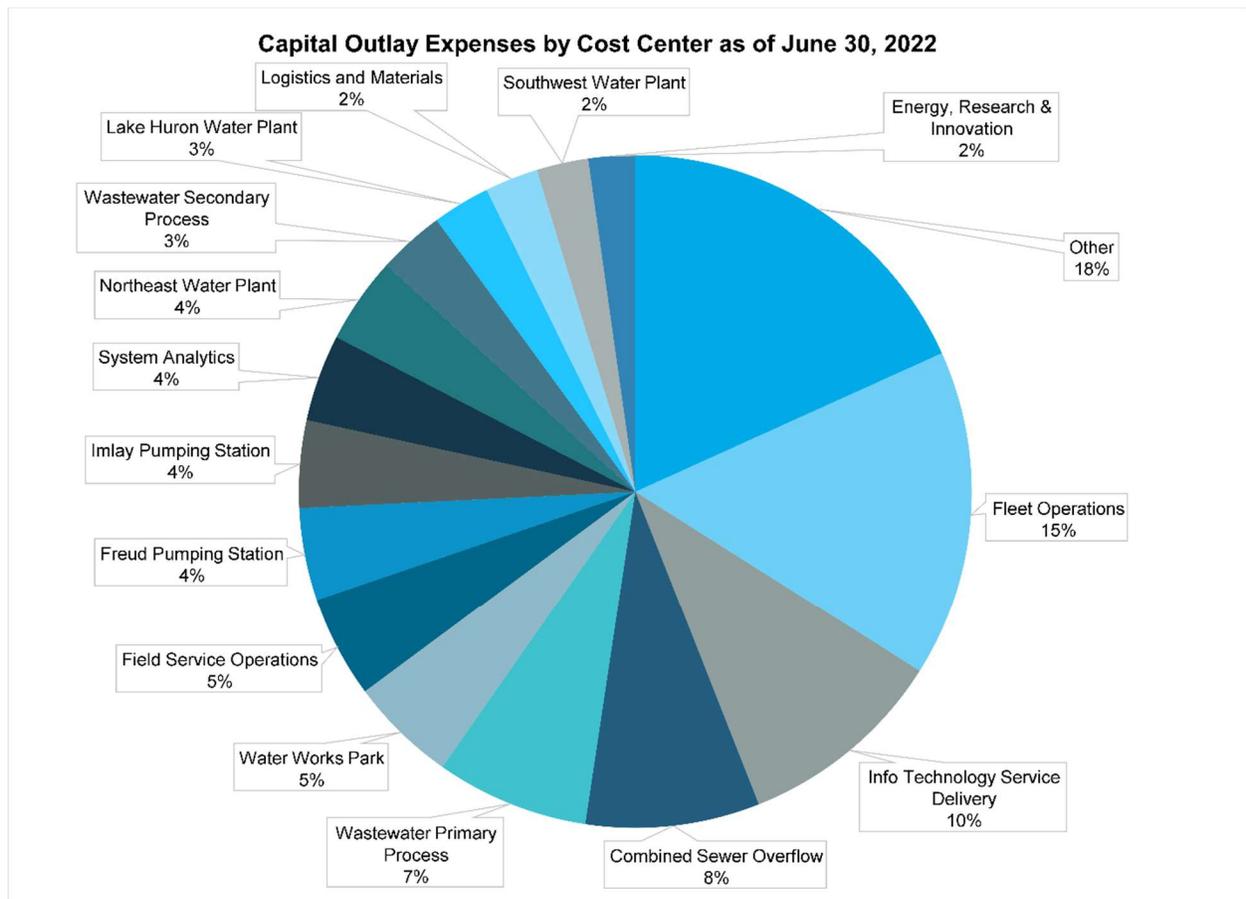


Financial Activity Charts

Chart 1 – Capital Outlay – Water and Sewer System Combined

Capital Outlay represents purchases of equipment, software, and small facility improvement projects. It *excludes* any capital investment which is included in the monthly construction work-in-progress report related to the Capital Improvement Program. Some items span several months so the entire cost may not have been incurred yet. In addition, items are capitalized only if they meet GLWA’s capitalization policy.

Through June 30, 2022, total capital outlay spend is \$9.4 million. Following this chart is a sample list of projects and purchases from the total spend of \$9.4 million:



Note: Due to rounding totals may not equal 100%.

Water Operations: Imlay pump station motor (\$359k); 14 Mile Water Main Assessment (\$350k); buoy system (\$178k); high pressure water tank (\$174k); Turbidmeter at Northeast Water Plant (\$173k); Water Works Park furniture (\$132k); multiple pumping

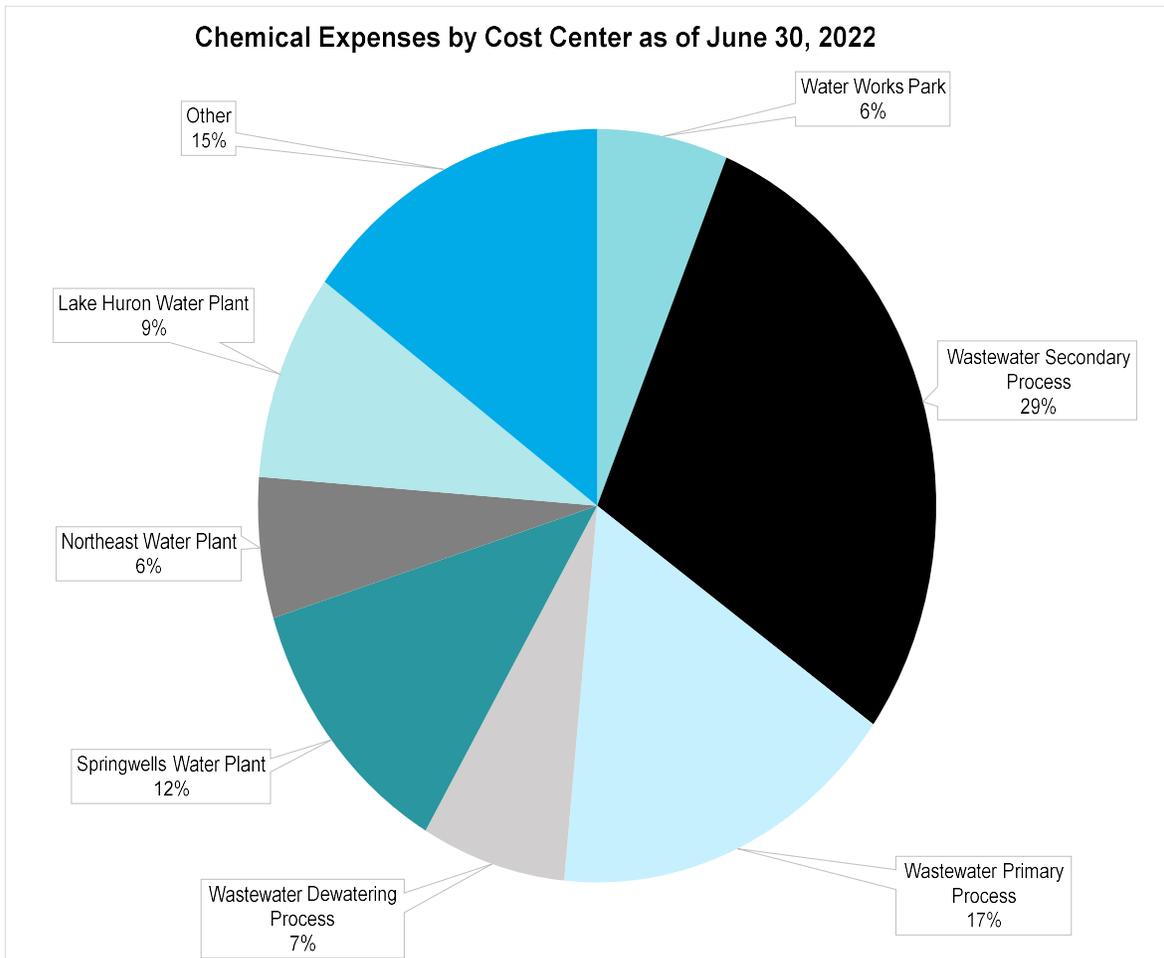
station circuit breakers (\$101k); power inverter (\$85k); slurry feed system (82k) and Southwest Water Plant furniture (\$75k).

Wastewater Operations: PQM Meters for CSO Facilities (\$787k); Freud electric backup service installation (\$320k); pull out assembly refurbishment (\$300k); flygt pump (\$182k); B-houses (\$167k); wastewater pump (\$161k); Puritan-Fenkell courtyard/safety improvements (\$146k); Main Lift Pump emergency repair (\$139k); 7 Mile CSO repairs (\$132k); sludge pump (\$97k); water champ (\$65k); Leib CSO accuasonic flow meters (\$60k); VFD replacement (\$60k); Freud meter station (\$57k) and rotork repairs (\$50k).

Centralized & Administrative Facilities: Trucks and vehicles (\$1.5m); IT computers and hardware (\$845k); sewer meter support (\$393k); IT software (\$248k); Rialto Security (\$240k); IT equipment disposal (\$116k); mag meters (\$101k); chemical monitoring equipment (\$78k) and Water Works Park UPS system (\$76k).

Chart 2 – Chemical Expenses – Water and Sewer System Combined

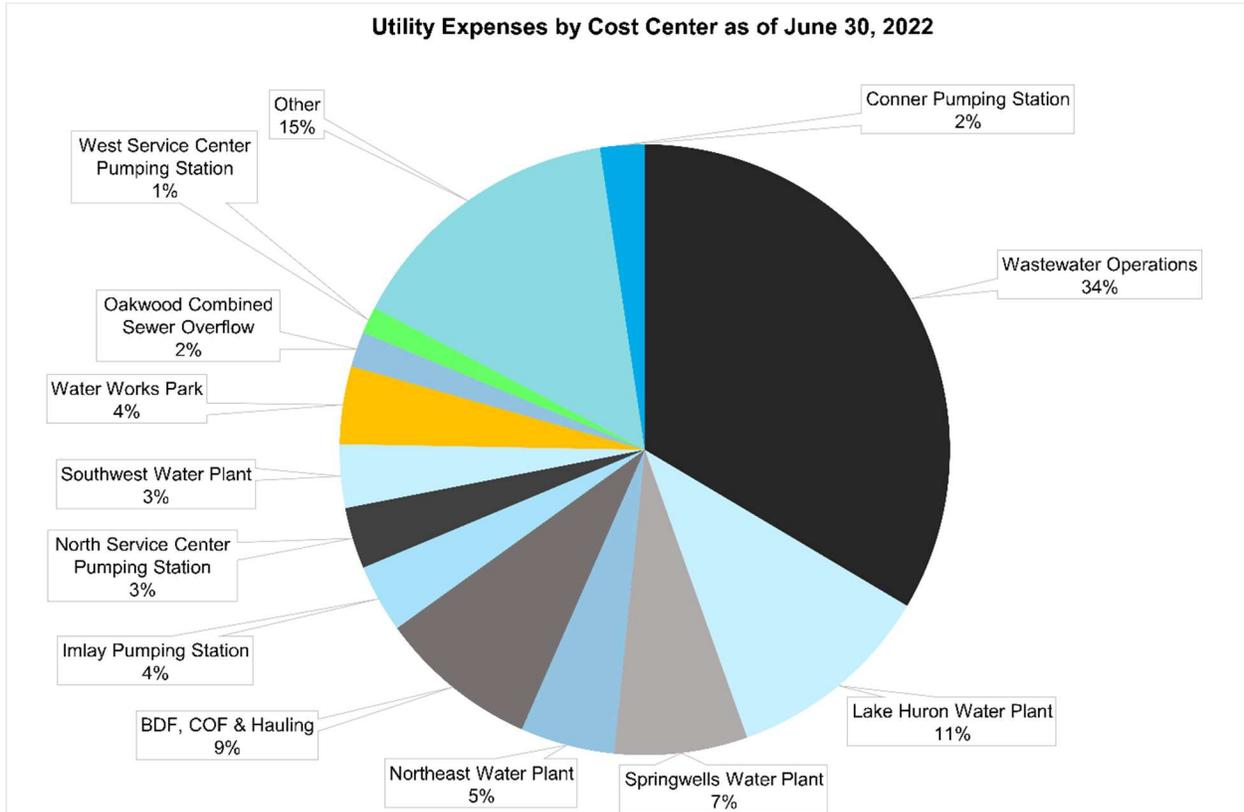
Chemical expenses are \$20.4 million through June 30, 2022. The allocation is shown in the chart below and remains consistent with prior periods.



Note: “Other” includes Combined Sewer Overflow (CSO), portions of the Wastewater process and two departments from Water. Due to rounding totals may not equal 100%.

Chart 3 – Utility Expenses – Water and Sewer System Combined

Utility expenses are \$59.7 million through June 30, 2022. The allocation is shown in the chart below and consistent with prior periods.



Note: Due to rounding totals may not equal 100%.



Financial Operations KPI

This key performance indicator shown in **Chart 1 – Bank Reconciliation Completion Status** below provides a measure of the progress made in the month-end close process which includes bank reconciliations with a completed status at month end. Through June 30, 2022 all reconciliations are up-to-date and complete.

There was an increase of eight general ledger accounts since May 2022. These new accounts relate to the debt pooling accounts.

Chart 1 – Bank Reconciliation Completion Status

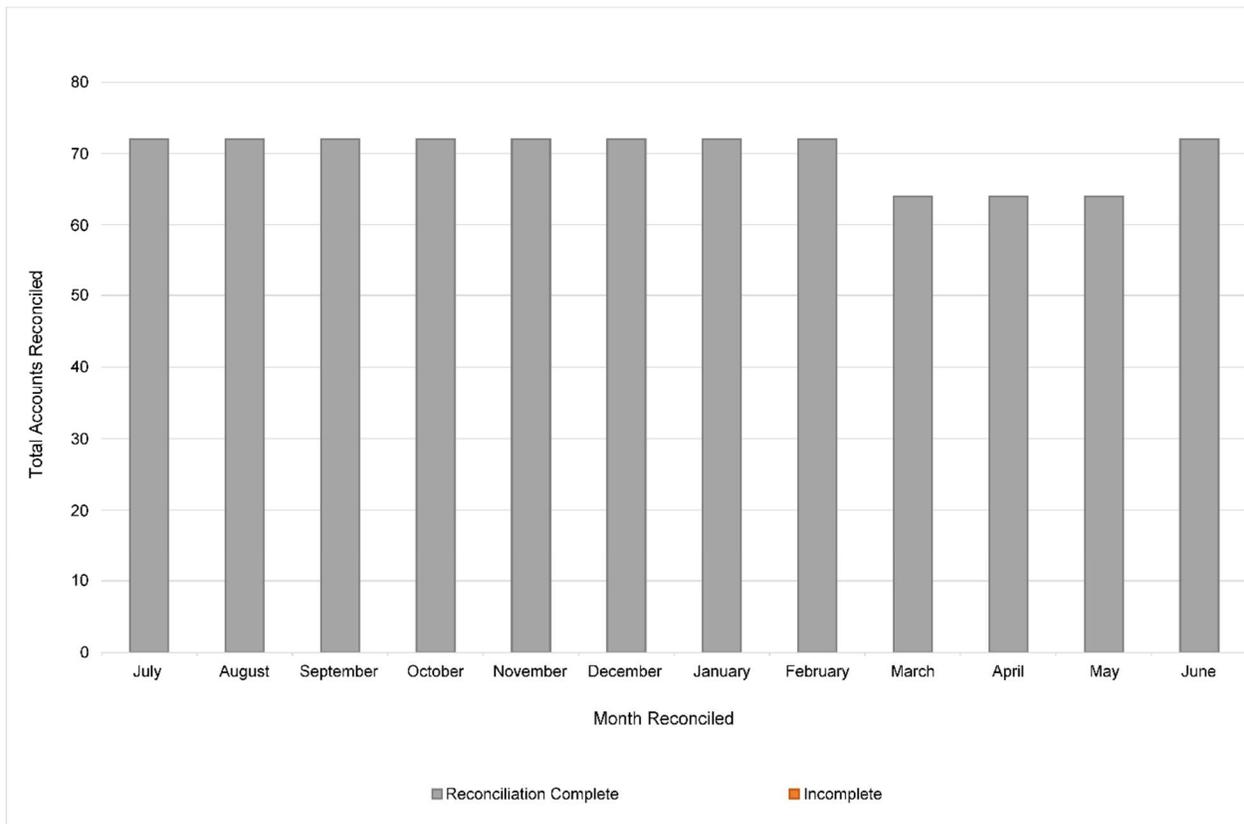


Table 1 – Fiscal Year 2022 GL Cash Account Rollforward

Total GL Cash accounts as of July 1, 2021	72
New GL Cash accounts	10
Inactivated GL Cash accounts	(10)
Total GL Cash accounts as of June 30, 2022	72

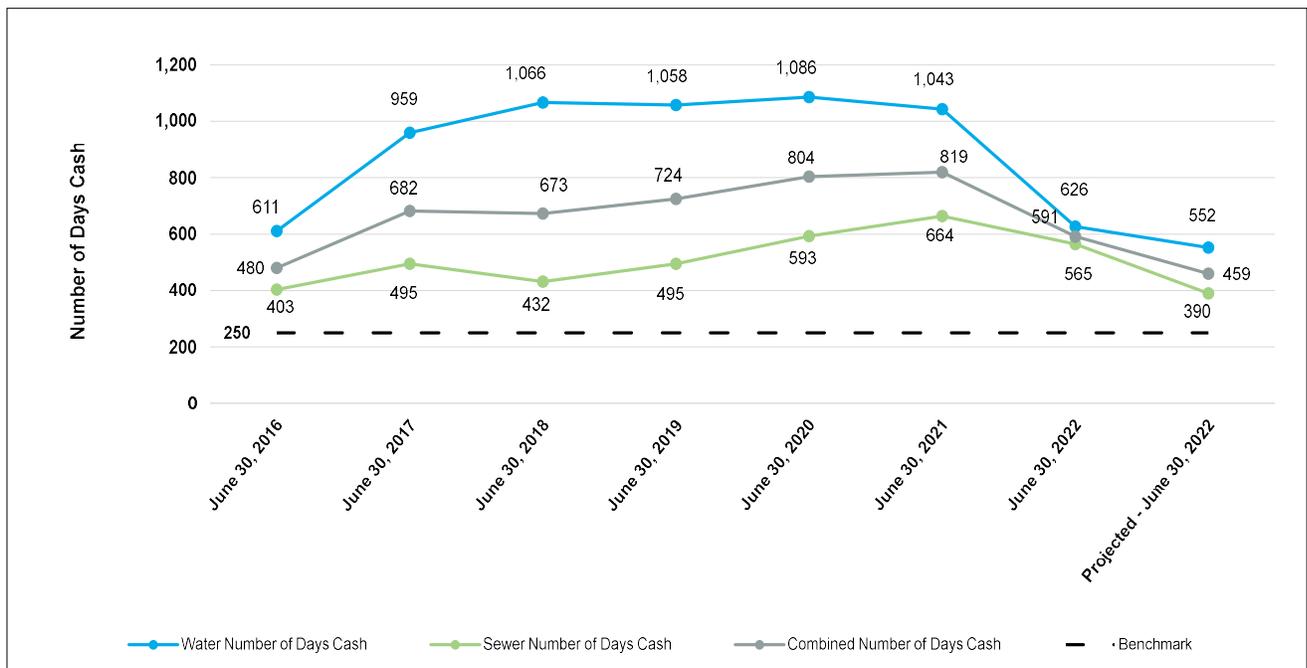


Financial Operations KPI - Liquidity

This key performance indicator shown in **Chart 1 – Historical Schedule of Days Cash on Hand – Liquidity – Regional System** and **Table 1 – Schedule of Days Cash on Hand – Liquidity – Regional System** below provides a measure of a utility’s ability to meet expenses, cope with emergencies and navigate business interruptions. Liquidity is one of several key metrics monitored by bond rating agencies reflecting an organization’s financial strength. A best practice benchmark for this key performance indicator is greater than 250 days cash on hand as shown by the dashed line in Chart 1 below.

Both GLWA Water and Sewer funds continue to exceed this target with Water at 626 and Sewer at 565 days cash on hand as of June 30, 2022. These balances remain strong for the regional system in large part due to the need to fund CIP projects with I&E funds but drop in the FY 2022 projection as these funds are depleted and GLWA transitions to a planned bond issue. The FY 2022 projection is calculated based on values from the GLWA FY 2022 – 2026 Budget & Five-Year Plan.

Chart 1 – Historical Schedule of Days Cash on Hand – Liquidity – Regional System



Note: The GLWA Annual Comprehensive Financial Reports are the source of all historic data referenced. Refer to these reports for detailed calculations by fiscal year.

Table 1 – Schedule of Days Cash on Hand – Liquidity – Regional System

	<u>June 30, 2021</u>	<u>June 30, 2022</u>	<u>Projected June 30, 2022</u>
Water Fund			
Cash and Investments - Unrestricted	\$ 353,308,000	\$ 246,965,000	\$ 217,600,000
Operating Expense			
Operating Expense (a)	\$ 250,476,000	\$ 276,400,000	\$ 276,400,000
Less: Depreciation (a)	(123,272,000)	(128,900,000)	(128,900,000)
Less: Amortization of Intangible Asset (a)	(3,567,000)	(3,567,000)	(3,567,000)
Net Operating Expense	\$ 123,638,000	\$ 143,934,000	\$ 143,934,000
Operating Expense per Day	\$ 339,000	\$ 394,000	\$ 394,000
Days Cash			
Number of Days Cash	1,043	626	552
Sewage Disposal Fund			
Cash and Investments - Unrestricted	\$ 323,973,000	\$ 296,940,000	\$ 205,000,000
Operating Expense			
Operating Expense (a)	\$ 328,983,000	\$ 338,709,000	\$ 338,709,000
Less: Depreciation (a)	(150,772,000)	(146,800,000)	(146,800,000)
Less: Amortization of Intangible Asset (a)	(110,000)	-	-
Net Operating Expense	\$ 178,101,000	\$ 191,909,000	\$ 191,909,000
Operating Expense per Day	\$ 488,000	\$ 526,000	\$ 526,000
Days Cash			
Number of Days Cash	664	565	390
Combined			
Cash and Investments - Unrestricted	\$ 677,281,000	\$ 543,905,000	\$ 422,600,000
Operating Expense			
Operating Expense (a)	\$ 579,460,000	\$ 615,109,000	\$ 615,109,000
Less: Depreciation (a)	(274,044,000)	(275,700,000)	(275,700,000)
Less: Amortization of Intangible Asset (a)	(3,677,000)	(3,567,000)	(3,567,000)
Net Operating Expense	\$ 301,740,000	\$ 335,843,000	\$ 335,843,000
Operating Expense per Day	\$ 827,000	\$ 920,000	\$ 920,000
Days Cash			
Number of Days Cash	819	591	459
<i>Totals may be off due to rounding</i>			

(a) Current year expenses are expressed as a proration of the annual budget for the purposes of this metric.



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The Monthly Capital Improvement Plan Financial Summary includes the following.

1. Water System Capital Improvement Plan Spend Incurred to date
2. Sewer System Capital Improvement Plan Spend Incurred to date

Capital Improvement Plan Financial Summary

Great Lakes Water Authority (GLWA) capital improvement projects generally span two or more years due to size and complexity. Therefore, the GLWA Board of Directors adopts a five-year capital improvement plan (CIP). The CIP is a five-year, rolling plan which is updated annually and formally adopted by the GLWA Board of Directors. In addition, the Board of Directors adopts a capital spending ratio assumption (SRA) which allows the realities of capital program delivery to align with the financial plan. The SRA is an analytical approach to bridge the total dollar amount of projects in the CIP with what can realistically be spent due to limitations beyond GLWA's control and/or delayed for nonbudgetary reasons. Those limitations, whether financial or non-financial, necessitate the SRA for budgetary purposes, despite the prioritization established.

This report presents quarterly and monthly CIP spending against the prorated CIP in total and the CIP adjusted for the SRA. The prorated CIP is calculated by dividing the total fiscal year 2022 board-approved CIP plan by twelve equal months. It should be noted that for operational purposes, GLWA utilizes Primavera P6 for refined monthly projections for cash management and project management.

Beginning January 1, 2021, GLWA has intentionally depleted Bond funds and has moved to solely using I&E and State Revolving Loans to fund CIP expenditures to lower the cost of debt. It is expected that the I&E funds will be sufficient to fund the capital program through FY 2022. A bond transaction is planned for the first quarter of FY 2023.

Capital spend reflects a noticeable variance from budgeted CIP for both the water and sewer funds. For the purposes of this metric, we compare actual spend with the Board-approved budget. For the purposes of managing the financial plan, budget amendments are made to align spending with resources available. The fourth quarter FY 2022 budget amendments were approved by the Board to achieve that alignment.

Chart 1 – Water System Capital Improvement Plan Spend Incurred to Date

As of June 2022, the Water system incurred nearly \$159 million of construction costs to date. This is 89% of the fiscal year 2022 CIP through June and 118% of the financial plan which is labeled as the FY 2022 CIP w/SRA in the chart below.

Chart 1 – Water System Capital Improvement Plan Spend Incurred to Date

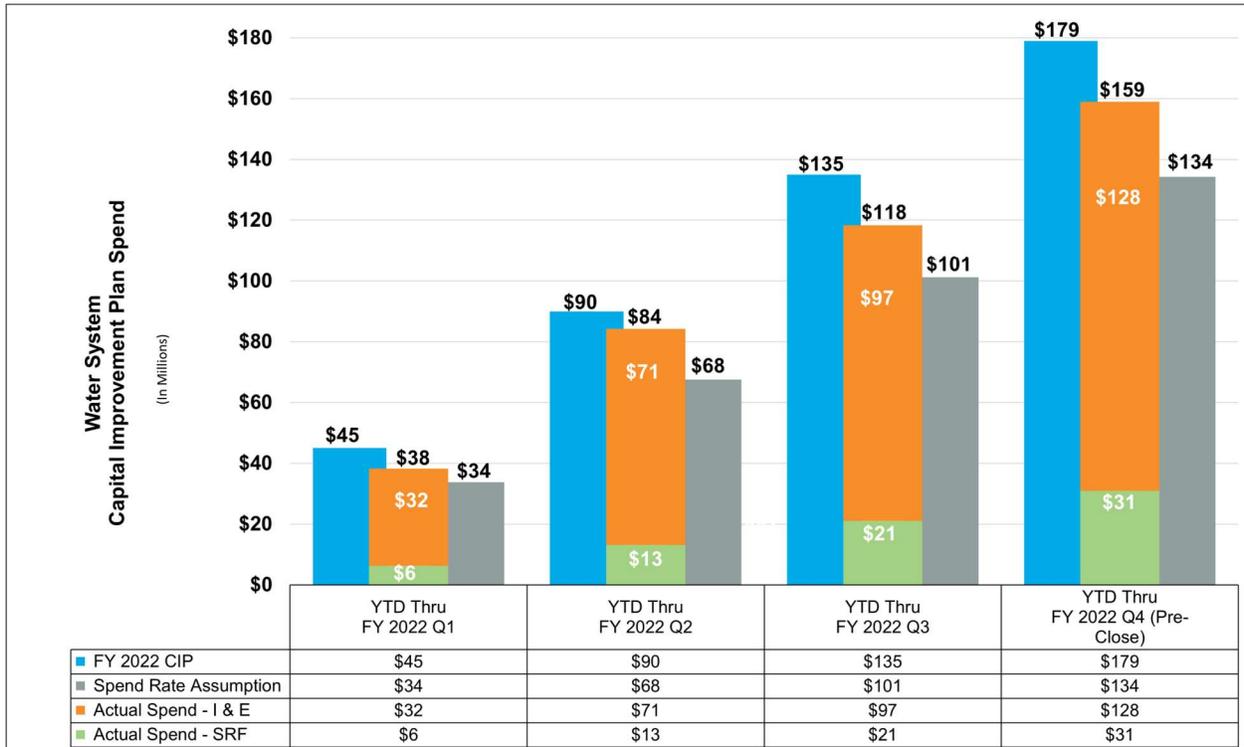


Chart 2 – Sewer System Capital Improvement Plan Spend Incurred to Date

As of June 2022, the Sewer system incurred nearly \$71 million of construction costs to date. This is 67% of the fiscal year 2022 CIP through June and 89% of the financial plan which is labeled as the FY 2022 CIP w/SRA in the chart below.

Chart 2 – Sewer System Capital Improvement Plan Spend Incurred to Date





This report includes the following.

1. Master Bond Ordinance (MBO) Required Transfers to Accounts Held by GLWA
2. Master Bond Ordinance (MBO) Required Transfers to Accounts Held by DWSD

MBO Transfers to Accounts Held by GLWA

GLWA Transfers: The Treasury team completes required MBO transfers on the first business day of each month. These transfers are completed in accordance with the Great Lakes Water Authority (GLWA) and Detroit Water & Sewerage Department (DWSD) budgets as approved and adopted by the GLWA Board of Directors and DWSD Board of Water Commissioners annually.

Monthly transfers for Operations & Maintenance (O&M), Pension, and Water Residential Assistance Program (WRAP) are one-twelfth of the annual, budgeted amount. Budget stabilization should not require additional funding due to new, baseline funding levels established as part of the June 2018 Memorandum of Understanding but is included to reflect historical activity. Transfers to the Extraordinary Repair & Replacement (ER&R) fund are completed annually based on budget and year-end fund status.

Table 1 – GLWA FY 2022 Water MBO Transfers reflects the required transfers for FY 2022 completed through June 1, 2022. MBO transfers for water totaling \$163.1 million have been transferred to GLWA accounts.

Table 2 – GLWA FY 2022 Sewer MBO Transfers reflects the required transfers for FY 2022 completed through June 1, 2022. MBO transfers for sewer totaling \$221.3 million have been transferred to GLWA accounts.

Table 3 – GLWA MBO Transfer History reflects historical transfers for FY 2016 through FY 2022 to date.

Table 1 – GLWA FY 2022 Water MBO Transfers

	WATER						
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Water
FY 2022							
July 2021	\$ 11,994,483	\$504,000	\$921,308	\$198,050	-	-	\$13,617,841
August 2021	11,994,483	504,000	921,308	198,050	-	-	13,617,841
September 2021	11,994,483	504,000	831,488	198,050	-	-	13,528,021
October 2021	11,994,483	504,000	921,308	198,050	-	-	13,617,841
November 2021	11,994,483	504,000	861,308	198,050	-	-	13,557,841
December 2021	11,994,483	504,000	891,308	198,050	-	-	13,587,841
January 2022	11,994,483	504,000	891,308	198,050	-	-	13,587,841
February 2022	11,994,483	504,000	891,308	198,050	-	-	13,587,841
March 2022	11,994,483	504,000	891,308	198,050	-	-	13,587,841
April 2022	11,994,483	504,000	891,308	198,050	-	-	13,587,841
May 2022	11,994,483	504,000	891,308	198,050	-	-	13,587,841
June 2022	11,994,487	504,000	891,132	198,050	-	-	13,587,669
Total FY 2022	\$ 143,933,800	\$6,048,000	\$10,695,700	\$2,376,600	\$ -	\$ -	\$163,054,100

Table 2 – GLWA FY 2022 Sewer MBO Transfers

	SEWER						
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Sewer
FY 2022							
July 2021	\$ 15,108,317	\$902,000	\$1,223,950	\$322,392	-	-	\$17,556,659
August 2021	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
September 2021	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
October 2021	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
November 2021	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
December 2021	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
January 2022	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
February 2022	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
March 2022	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
April 2022	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
May 2022	15,108,317	902,000	1,223,950	322,392	-	-	17,556,659
June 2022	15,108,313	902,000	1,223,950	\$322,388	-	-	17,556,651
June 2022*	10,608,800	-	-	-	-	-	10,608,800
Total FY 2022	\$191,908,600	\$10,824,000	\$14,687,400	\$3,868,700	\$ -	\$ -	\$221,288,700

*A second O&M transfer occurred in June 2022 following the approval of the 4th Quarter Budget amendments to align final budgeted transfers with actual transfers.

Table 3 – GLWA MBO Transfer History

GLWA MBO Transfer History							
WATER							
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Water
Total FY 2016	\$71,052,000	\$6,037,100	\$10,297,200	\$1,983,300	\$2,326,900	\$606,000	\$92,302,500
Total FY 2017	111,879,600	6,037,200	10,297,200	2,077,200	360,000	-	130,651,200
Total FY 2018	121,562,604	6,048,000	10,695,696	2,159,400	-	-	140,465,700
Total FY 2019	121,562,604	6,048,000	10,695,696	2,061,000	-	-	140,367,300
Total FY 2020	126,840,204	6,048,000	10,695,683	1,980,804	-	-	145,564,691
Total FY 2021	134,127,300	6,048,000	10,695,700	2,324,200	-	-	153,195,200
Total FY 2022 (12 months)	143,933,800	6,048,000	10,695,700	2,376,600	-	-	163,054,100
Life to Date	\$830,958,112	\$42,314,300	\$74,072,875	\$14,962,504	\$2,686,900	\$606,000	\$965,600,691
SEWER							
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Sewer
Total FY 2016	\$100,865,600	\$10,838,400	\$14,025,800	\$2,523,400	\$5,591,700	\$779,600	\$134,624,500
Total FY 2017	175,858,800	10,838,400	14,026,800	2,654,400	2,654,400	-	206,032,800
Total FY 2018	191,079,396	10,824,000	14,687,496	2,760,804	-	-	219,351,696
Total FY 2019	191,079,396	10,824,000	14,687,496	2,870,992	-	-	219,461,884
Total FY 2020	181,925,800	10,824,000	14,687,517	2,887,300	-	-	210,324,617
Total FY 2021	182,296,000	10,824,000	14,687,500	3,764,300	-	-	211,571,800
Total FY 2022 (12 months)	191,908,600	10,824,000	14,687,400	3,868,700	-	-	221,288,700
Life to Date	\$1,215,013,592	\$75,796,800	\$101,490,009	\$21,329,896	\$8,246,100	\$779,600	\$1,422,655,997

MBO Required and Lease Payment Transfers to DWSD

DWSD Transfers: The GLWA Treasury team completes the required MBO transfers on the first business day of each month. These transfers are completed in accordance with the GLWA and DWSD budgets as approved and adopted by the GLWA Board of Directors and DWSD Board of Water Commissioners annually. Transfers are coordinated with other areas of GLWA Financial Services in advance of the first business day of each month. GLWA Treasury sends confirmation of transfers made to DWSD Treasury.

Monthly transfers for O&M and O&M Pension are one-twelfth of the annual, budgeted amount. The annual lease payment, as stated in the Water & Sewer Lease Agreements, is \$22,500,000 for Water and \$27,500,000 for Sewer. The monthly lease transfer is one-twelfth of the amount as stated in the Lease agreements unless otherwise designated by DWSD. Per Section 3.5 of the Lease, the Lease payment may be used for (a) bond principal and interest for Local System Improvements, (b) bond principal and interest for the City's share of common-to-all System Improvements, and (c) Local System improvements.

Table 4 – DWSD FY 2022 Water MBO Transfers reflects the required transfers for FY 2022 completed through June 1, 2022. MBO transfers for Water totaling \$47.8 million have been transferred to accounts held by DWSD. For FY 2022, DWSD originally requested that \$6,690,600 of the lease payment be utilized to offset a portion of debt service. Beginning with the October transfers, DWSD amended budget required an additional portion of the lease payment be directed to offset debt service. Additionally, corrections were made to the MBO transfer calculations which resulted in a change in the amounts transferred to I&E for May and June.

Table 5 – DWSD FY 2022 Sewer MBO Transfers reflects the required transfers for FY 2022 completed through June 1, 2022. MBO transfers for Sewer totaling \$86.1 million have been transferred to accounts held by DWSD. For FY 2022, DWSD has requested that \$5,529,300 of the lease payment be utilized to offset a portion of debt service. Additionally, corrections were made to the MBO transfer calculations which resulted in a change in the amounts transferred to I&E for May and June.

Table 6 – DWSD Water MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2022 to date.

Table 7 – DWSD Sewer MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2022 to date.

Table 4 – DWSD FY 2022 Water MBO Transfers

WATER				
	Operations & Maintenance	Pension	Lease Payment (I&E Fund)	Total Water
FY 2022				
July 2021	\$2,887,383	\$356,000	\$1,317,450	\$4,560,833
August 2021	2,887,383	356,000	1,317,450	4,560,833
September 2021	2,887,383	356,000	1,317,450	4,560,833
October 2021	2,369,650	356,000	479,983	3,205,633
November 2021	2,369,650	356,000	479,983	3,205,633
December 2021	2,369,650	356,000	479,983	3,205,633
January 2022	2,369,650	356,000	479,983	3,205,633
February 2022	2,369,650	356,000	479,983	3,205,633
March 2022	2,369,650	356,000	479,983	3,205,633
April 2022	2,369,650	356,000	479,983	3,205,633
April 2022*	-	-	3,999,936	3,999,936
May 2022	2,369,650	356,000	1,131,217	3,856,867
June 2022	2,369,651	356,000	1,131,216	3,856,867
Total FY 2022	\$29,989,000	\$4,272,000	\$13,574,600	\$47,835,600

Table 5 – DWSD FY 2022 Sewer MBO Transfers

SEWER				
	Operations & Maintenance	Pension	Lease Payment (I&E Fund)	Total Sewer
FY 2022				
July 2021	\$5,769,417	\$238,000	\$2,291,667	\$8,299,084
August 2021	5,769,417	238,000	2,291,667	8,299,084
September 2021	5,769,417	238,000	2,291,667	8,299,084
October 2021	4,888,083	238,000	2,291,667	7,417,750
November 2021	4,888,083	238,000	2,291,667	7,417,750
December 2021	4,888,083	238,000	2,291,667	7,417,750
January 2022	4,888,083	238,000	2,291,667	7,417,750
February 2022	4,888,083	238,000	2,291,667	7,417,750
March 2022	4,888,083	238,000	2,291,667	7,417,750
April 2022	4,888,083	238,000	2,291,667	7,417,750
April 2022*	-	-	(4,607,750)	(4,607,750)
May 2022	4,888,083	238,000	1,830,892	6,956,975
June 2022	4,888,085	238,000	1,830,891	6,956,976
Total FY 2022	\$61,301,000	\$2,856,000	\$21,970,703	\$86,127,703

Table 6 – DWSD Water MBO and Lease Payment Transfer History

Transfers to DWSD				
WATER				
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Water
FY 2016 *				
MBO/Lease Requirement	\$26,185,600	\$4,262,700	\$22,500,000	\$52,948,300
Offset to Debt Service	-	-	(2,326,900)	(2,326,900)
Net MBO Transfer	26,185,600	4,262,700	20,173,100	50,621,400
FY 2017				
MBO/Lease Requirement	33,596,400	4,262,400	22,500,000	60,358,800
Offset to Debt Service	-	-	-	-
Net MBO Transfer	33,596,400	4,262,400	22,500,000	60,358,800
FY 2018				
MBO/Lease Requirement	35,059,704	4,272,000	22,500,000	61,831,704
Offset to Debt Service	-	-	(1,875,000)	(1,875,000)
Net MBO Transfer	35,059,704	4,272,000	20,625,000	59,956,704
FY 2019				
MBO/Lease Requirement	35,484,300	4,272,000	22,500,000	62,256,300
Offset to Debt Service	-	-	(3,972,200)	(3,972,200)
Net MBO Transfer	35,484,300	4,272,000	18,527,800	58,284,100
FY 2020				
MBO/Lease Requirement	34,662,400	4,272,000	22,500,000	61,434,400
Offset to Debt Service	-	-	(3,548,000)	(3,548,000)
Net MBO Transfer	34,662,400	4,272,000	18,952,000	57,886,400
FY 2021				
MBO/Lease Requirement	35,833,900	4,272,000	22,500,000	62,605,900
Offset to Debt Service	-	-	(8,278,300)	(8,278,300)
Net MBO Transfer	35,833,900	4,272,000	14,221,700	54,327,600
FY 2022 (12 months)				
MBO/Lease Requirement	29,989,000	4,272,000	22,500,000	56,761,000
Offset to Debt Service	-	-	(8,925,400)	(8,925,400)
Net MBO Transfer	29,989,000	4,272,000	13,574,600	47,835,600
Life-to-Date				
MBO/Lease Requirement	230,811,304	29,885,100	157,500,000	418,196,404
Offsets	-	-	(28,925,800)	(28,925,800)
Total Water	230,811,304	29,885,100	128,574,200	389,270,604

Table 7 – DWSD Sewer MBO and Lease Payment Transfer History

SEWER				
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Sewer
FY 2016 *				
MBO/Lease Requirement	\$19,774,300	\$2,861,800	\$27,500,000	\$50,136,100
Offset to Debt Service	-	-	(19,991,500)	(19,991,500)
Total MBO Transfer	19,774,300	2,861,800	7,508,500	30,144,600
FY 2017				
MBO/Lease Requirement	41,535,600	2,862,000	27,500,000	71,897,600
Offset to Debt Service	-	-	-	-
Total MBO Transfer	41,535,600	2,862,000	27,500,000	71,897,600
FY 2018				
MBO/Lease Requirement	60,517,992	2,856,000	27,500,000	90,873,992
Offset to Debt Service	-	-	(9,166,664)	(9,166,664)
Total MBO Transfer	60,517,992	2,856,000	18,333,336	81,707,328
FY 2019				
MBO/Lease Requirement	56,767,920	2,856,000	27,500,000	87,123,920
Offset to Debt Service	-	-	(4,415,000)	(4,415,000)
Total MBO Transfer	56,767,920	2,856,000	23,085,000	82,708,920
FY 2020				
MBO/Lease Requirement	62,343,500	2,856,000	27,500,000	92,699,500
Offset to address shortfall	(7,100,000)	-	-	(7,100,000)
Offset to Debt Service	-	-	(5,032,700)	(5,032,700)
Total MBO Transfer	55,243,500	2,856,000	22,467,300	80,566,800
FY 2021				
MBO/Lease Requirement	69,915,700	2,856,000	27,500,000	100,271,700
Offset to Debt Service	-	-	(3,257,200)	(3,257,200)
Total MBO Transfer	69,915,700	2,856,000	24,242,800	97,014,500
FY 2022 (12 months)				
MBO/Lease Requirement	61,301,000	2,856,000	26,578,453	90,735,453
Offset to Debt Service	-	-	(4,607,750)	-
Total MBO Transfer	61,301,000	2,856,000	21,970,703	86,127,703
Life-to-Date				
MBO/Lease Requirement	372,156,012	20,003,800	191,578,453	583,738,265
Offsets	(7,100,000)	-	(46,470,814)	(48,963,064)
Total Sewer	365,056,012	20,003,800	145,107,639	530,167,451

* Note: FY 2016 lease transfer amounts shown do not include prepayment on the lease amount for the 6 months period before bifurcation.



This report includes the following:

1. Monthly Cash Balances Compared to Investment Income
2. Cash Balance Detail

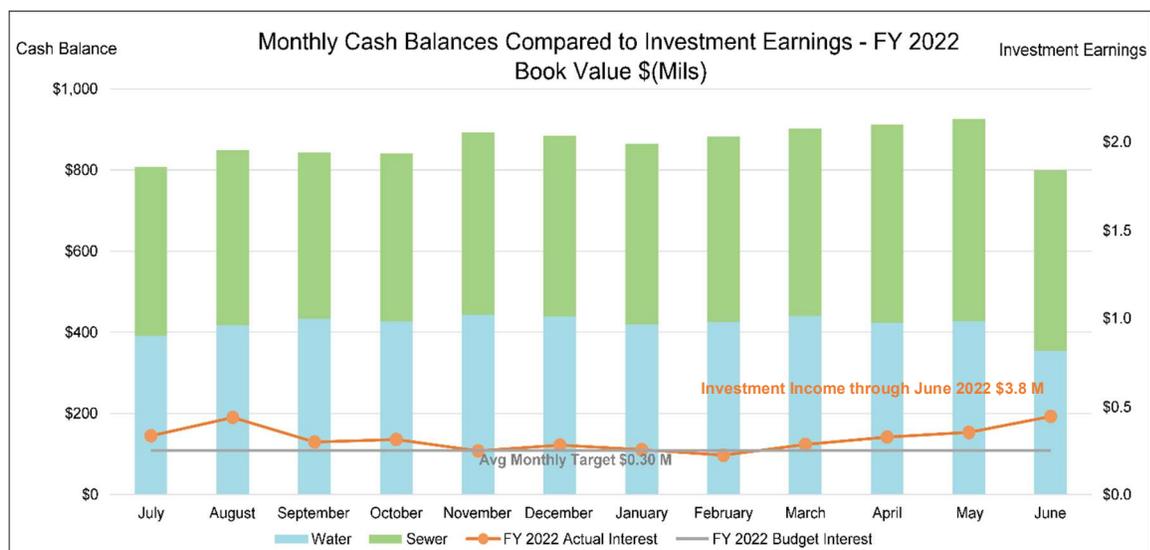
Monthly Cash Balances Compared to Investment Income

GLWA's investment holdings comply with the requirements of Public Act 20 of 1948, as amended and the GLWA Investment Policy. The cash balances shown in this report include bank deposits, money market funds, a local government investment pool, U.S. Treasuries, Federal Agencies, and commercial paper.

Cash and investment balances change each month based on Master Bond Ordinance (MBO) funding requirements, operational needs, capital spending pace, and mandatory debt payments. Investment income fluctuates monthly based on cash and investment balances as well as market conditions and investment strategy. For the month of June 2022, GLWA earned investment income of \$0.4 million and the cumulative FY 2022 earnings through June 2022 is \$3.8 million. Total investment income reported includes earnings from revenue requirement funds as well as construction bond funds.

GLWA continues to refine cash flows and work with its investment advisor to identify strategies to maximize future investment income while meeting the objectives of safety and liquidity.

Chart 1 – Monthly Cash Balances Compared to Investment Income – Through June 2022



\$(Mils)	July	August	September	October	November	December	January	February	March	April	May	June
Water	\$391	\$416	\$433	\$426	\$443	\$439	\$418	\$425	\$440	\$423	\$427	\$353
Sewer	\$417	\$432	\$410	\$414	\$450	\$445	\$446	\$458	\$463	\$488	\$499	\$446
Total	\$808	\$848	\$844	\$840	\$893	\$884	\$864	\$883	\$902	\$911	\$925	\$799
Investment Income	\$0.3	\$0.4	\$0.3	\$0.3	\$0.2	\$0.3	\$0.3	\$0.2	\$0.3	\$0.3	\$0.4	\$0.4

Cash Balance Detail

Funds Held By GLWA: GLWA cash balances are held in accounts as defined by the Master Bond Ordinance. The accounts are funded by monthly transfers, as stipulated in the MBO, on the first business day of each month. The “operations and maintenance” (O&M) fund transfer amounts are based upon the annual O&M budget approved by the GLWA Board of Directors for the regional systems and by the Board of Water Commissioners for the Detroit Water & Sewerage Department (DWSD) local system budgets. The water and sewer funds held by GLWA and their purpose, as defined by the MBO, are listed below.

Funds Held Within Trust:

- Receiving – all retail and wholesale revenues collected which are distributed in subsequent month(s)
- Debt Service – funds set aside for debt service and debt reserve requirements
- Pension Obligation – funds set aside to meet GLWA’s annual funding requirements for the legacy General Retirement System Pension Plan
- Water Residential Assistance Program (WRAP) – funds set aside to be used to provide financial assistance to qualified residents throughout the local and regional water system as directed by program guidelines
- Budget Stabilization – funds held by GLWA on behalf of DWSD that can be applied against shortfalls in retail revenues
- Emergency Repair & Replacement (ER&R) – funds set aside to pay the costs for major unanticipated repairs and replacements of the local and regional systems
- Improvement & Extension (I&E) – funds set aside to be used for the improvements, enlargements, and extensions of the regional system

Funds Held Outside Trust:

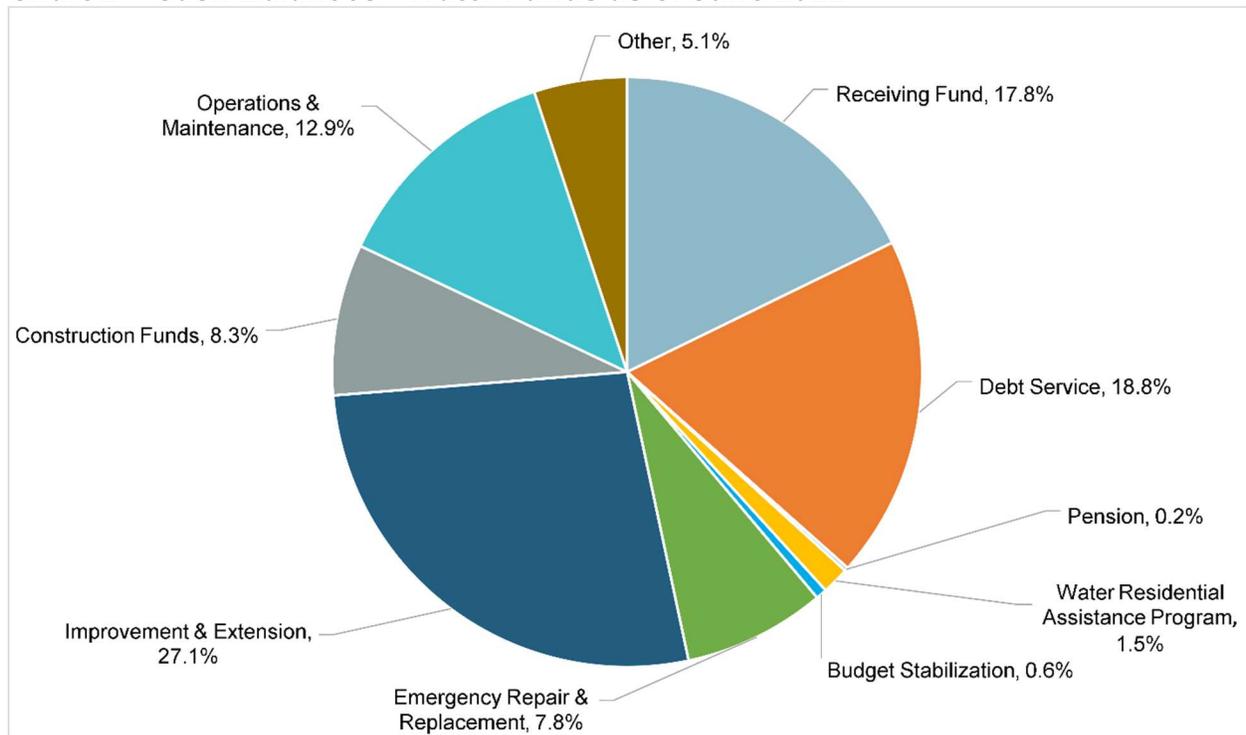
- Bond Proceeds – funds raised from debt issuance used for costs of repairs, construction, and improvements of the regional system
- Operations & Maintenance (O&M) – funds used to meet the operational and maintenance requirements of the regional system
- Other – retainage funds held on behalf of contractors and security deposit funds held on behalf of the City of Flint

A [chart](#) depicting the follow of funds is online at glwater.org as well as the [MBO](#) documents.

Chart 2 – Cash Balances - Water Funds as of June 2022 - Shows the allocation of the balance among the different categories defined in the section above. The total cash balance for Water Funds as of June 30, 2022 is \$353 million. The allocation of balances among the I&E, bond proceeds, and debt service reserve funds reflects GLWA’s commitment to funding capital improvements and meeting debt reserve requirements while simultaneously increasing I&E resources to fund pay-as-you-go capital funding to reduce long-term debt in the future.

It should be noted existing proceeds from revenue bonds are depleted. This means that all capital projects will now be funded with Improvement & Extension (I&E) funds, except for SRF funded projects. It is expected that the I&E funds supplemented with SRF low-interest loan funding will be sufficient to fund the capital program through FY 2022. A bond transaction is currently planned for the first quarter of FY 2023.

Chart 2 – Cash Balances - Water Funds as of June 2022

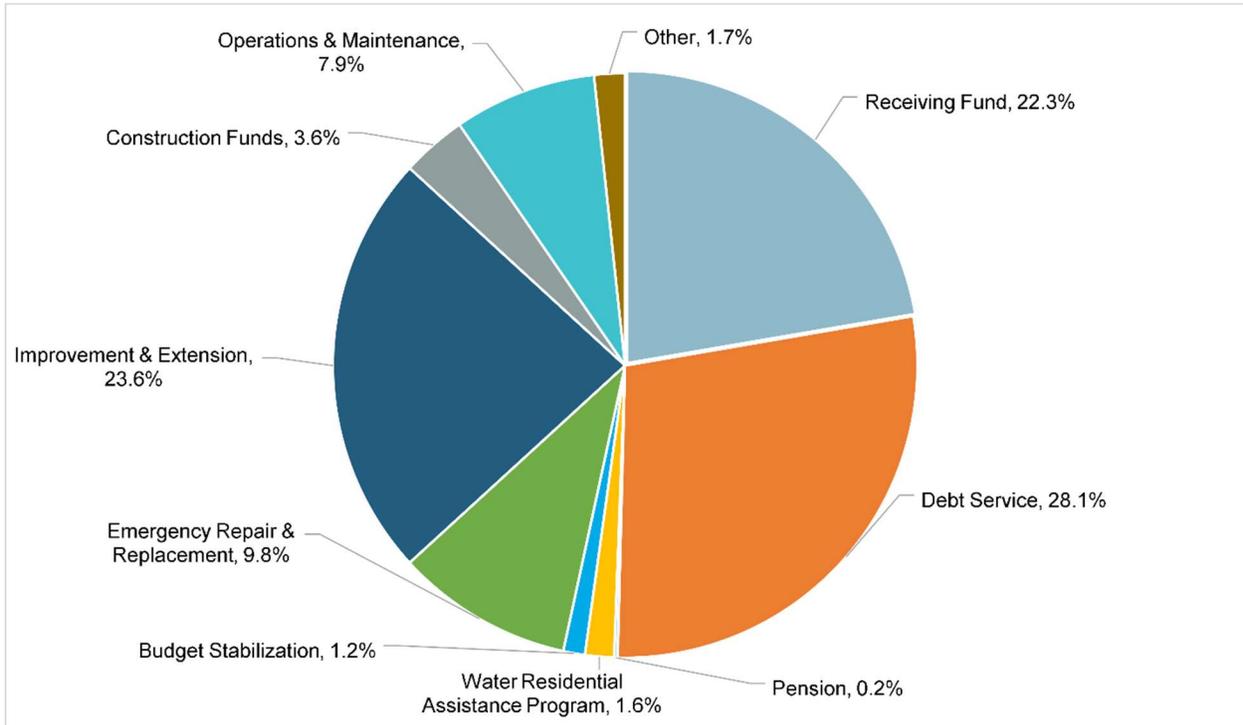


Note: Due to rounding totals may not equal 100%.

Chart 3 – Cash Balances - Sewer Funds as of June 2022 - Shows the allocation of the balance among the different funds defined in the section above. The total cash balance for Sewer Funds as of June 30, 2022 is \$446 million. Like the Water Funds, the allocation of balances among the I&E, bond proceeds, and debt service reserve funds reflects GLWA’s commitment to funding capital improvements and meeting debt reserve requirements while simultaneously increasing I&E resources to fund pay-as-you-go capital funding to reduce long-term debt in the future.

It should be noted existing proceeds from revenue bonds are depleted. This means that all capital projects will now be funded with Improvement & Extension (I&E) funds, except for SRF funded projects. It is expected that the I&E funds supplemented with SRF low-interest loan funding will be sufficient to fund the capital program through FY 2022. A bond transaction is currently planned for the first quarter of FY 2023.

Chart 3 – Cash Balances - Sewer Funds as of June 2022



Note: Due to rounding totals may not equal 100%.



Retail Revenues, Receivables, and Collections: Pursuant to the terms of the lease agreement between the City of Detroit and the Great Lakes Water Authority (GLWA), the Detroit Water & Sewerage Department (DWSD) serves as GLWA's agent for billing activities for the City of Detroit retail customer class. All water and sewer service collections from DWSD customers are deposited in a trust account and are administered in accordance with the GLWA Master Bond Ordinance.

The Monthly Retail Revenues, Receivables, & Collections Report includes the following.

1. DWSD Retail Water Revenue Billings and Collections
2. DWSD Retail Sewer Revenue Billings and Collections
3. DWSD Retail Water & Sewer System Accounts Receivable Aging Report

Note: Wholesale customer revenues are billed by the Great Lakes Water Authority.

DWSD Retail Water Billings and Collections

Retail Billing Basis: DWSD bills retail customers monthly. Customers are billed throughout the month in cycles based on a meter reading schedule beginning with residential accounts and ending with commercial and industrial customers.

Table 1 - DWSD Retail Billings shows the FY 2022 water usage and billed revenue which are provided by DWSD staff. As of June 30, 2022, the DWSD usage was at 109.41% of the budget and billed revenue was at 100.90% of budget.

DWSD Retail Water Collections: The collections represent payments made by DWSD retail customers. These receipts are deposited directly into a lockbox with a trustee for administration of the flow of funds defined by GLWA's Master Bond Ordinance.

Table 2 - Retail Water Collections shows collections by month for the past 12 months compared to collections for the prior year as well as the calculated difference between the periods.

Table 1 – DWSD Retail Water Billing

RETAIL WATER CUSTOMERS								
Month (1)	FY 2022 - Original Budget		FY 2022 - Actual		FY 2022 - Variance		FY 2021 - Actuals	
	Volume	Revenue	Volume	Revenue (2)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	245,000	9,963,800	266,704	10,064,683	21,704	100,883	265,796	9,747,518
August	235,000	9,697,500	264,644	9,994,589	29,644	297,089	250,308	9,378,385
September	210,000	9,032,500	232,348	9,169,300	22,348	136,800	218,840	8,544,457
October	195,000	8,633,500	204,290	8,422,092	9,290	(211,408)	197,362	7,978,833
November	195,000	8,633,500	209,830	8,544,611	14,830	(88,889)	194,648	7,952,436
December	195,000	8,633,500	204,072	8,442,152	9,072	(191,348)	197,125	7,985,955
January	190,000	8,500,500	221,369	8,819,430	31,369	318,930	190,289	7,827,536
February	190,000	8,500,500	204,489	8,438,300	14,489	(62,200)	191,180	7,895,496
March	200,080	8,768,700	233,190	9,221,716	33,110	453,016	205,631	8,242,563
April	210,000	9,032,500	192,495	8,305,331	(17,505)	(727,169)	214,288	8,438,333
May	210,000	9,032,500	245,471	9,530,928	35,471	498,428	214,232	8,519,154
June	240,000	9,830,500	272,811	10,281,954	32,811	451,454	243,301	9,249,694
Total	2,515,080	108,259,500	2,751,713	109,235,086	236,633	975,586	2,583,000	101,760,360
Subtotals ytd	2,515,080	108,259,500	2,751,713	109,235,086	236,633	975,586		
Achievement of Budget			109.41%	100.90%				

(1) Figures are stated as "Service Months"; that is, July figures represent bills issued in August, etc.

(2) Retail Revenues include Miscellaneous Revenues and Penalties

Table 2 – DWSD Retail Water Collections

Water				
Month	Current Year	Prior Year	Variance	Ratio
July	8,387,705	8,017,490	370,215	4.62%
August	8,588,507	7,135,456	1,453,051	20.36%
September	8,041,683	9,031,966	(990,283)	-10.96%
October	8,512,614	9,079,199	(566,585)	-6.24%
November	7,926,331	10,803,009	(2,876,678)	-26.63%
December	8,121,586	7,409,888	711,698	9.60%
January	6,919,040	7,884,889	(965,849)	-12.25%
February	10,156,126	6,426,553	3,729,573	58.03%
March	11,093,125	8,458,827	2,634,298	31.14%
April	7,431,900	7,536,272	(104,372)	-1.38%
May	7,660,852	7,365,204	295,648	4.01%
June	9,123,179	8,917,831	205,348	2.30%
Rolling, 12-Month Total	101,962,648	98,066,584		
Rolling, 12-Month Average	8,496,887	8,172,215		

DWSD Retail Sewer Billings and Collections

Retail billing basis: DWSD bills retail customers monthly. Customers are billed throughout the month in cycles based on a meter reading schedule beginning with residential accounts and ending with commercial and industrial customers.

Table 3 - DWSD Retail Sewer Billings shows the FY 2022 sewer billed revenue which are provided by DWSD staff. As of June 30, 2022, the DWSD usage was at 104.48% of the budget and billed revenue was at 99.98% of budget.

DWSD Retail Sewer Collections: The collections represent payments made by DWSD retail customers. These receipts are deposited directly into a lockbox with a trustee for administration of the flow of funds defined by GLWA's Master Bond Ordinance.

Table 4 – DWSD Retail Sewer Collections shows collections by month for the past 12 months compared to collections for the prior year as well as the calculated difference between the periods.

Table 3 - DWSD Retail Sewer Billings

RETAIL SEWER CUSTOMERS								
Month (1)	FY 2022 - Original Budget		FY 2022 - Actual		FY 2022 - Variance		FY 2021 - Actuals	
	Volume	Revenue	Volume	Revenue (2)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	233,100	30,779,300	219,791	29,462,804	(13,309)	(1,316,496)	252,929	29,802,377
August	225,700	30,357,000	249,522	31,231,624	23,822	874,624	240,390	29,261,344
September	198,500	28,805,000	215,748	29,401,234	17,248	596,234	206,880	27,232,400
October	186,000	28,091,700	190,483	27,936,280	4,483	(155,420)	188,816	26,230,683
November	186,000	28,091,700	194,135	28,032,939	8,135	(58,761)	184,240	25,933,888
December	186,000	28,091,700	189,283	27,836,982	3,283	(254,718)	187,397	26,628,891
January	178,700	27,675,200	203,526	28,493,782	24,826	818,582	179,115	26,098,738
February	184,600	28,011,800	189,525	27,837,984	4,925	(173,816)	185,696	26,370,674
March	192,030	28,435,800	212,176	29,032,277	20,146	596,477	197,486	27,090,940
April	199,600	28,867,800	179,291	27,196,557	(20,309)	(1,671,243)	203,684	27,447,662
May	200,100	28,896,300	220,082	29,382,758	19,982	486,458	204,107	27,765,537
June	228,500	30,516,800	242,746	30,704,517	14,246	187,717	231,627	29,058,129
Total	2,398,830	346,620,100	2,506,308	346,549,738	107,478	(70,362)	2,462,367	328,921,263
Subtotals ytd	2,398,830	346,620,100	2,506,308	346,549,738		(70,362)		
Achievement of Budget/Goal			104.48%	99.98%				

(1) Figures are stated as "Service Months"; that is, July figures represent bills issued in August, etc.

(2) Retail Revenues include Miscellaneous Revenues and Penalties

Table 4 – DWSD Retail Sewer Collections

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
July	24,185,252	20,652,159	3,533,093	17.11%
August	25,036,198	22,395,220	2,640,978	11.79%
September	22,635,796	26,463,387	(3,827,591)	-14.46%
October	25,119,240	26,683,109	(1,563,869)	-5.86%
November	23,505,249	28,730,139	(5,224,890)	-18.19%
December	24,880,743	22,856,217	2,024,526	8.86%
January	23,020,491	22,057,276	963,215	4.37%
February	24,495,922	22,777,467	1,718,455	7.54%
March	29,410,086	25,002,508	4,407,578	17.63%
April	22,115,076	21,196,170	918,906	4.34%
May	20,952,592	21,888,687	(936,095)	-4.28%
June	25,922,279	32,508,249	(6,585,970)	-20.26%
Rolling 12-Month Total	291,278,924	293,210,588		
Rolling, 12-Month Average	24,273,244	24,434,216		

DWSD Retail Water and Sewer Accounts Receivable Aging Report

The DWSD detailed accounts receivable aging is categorized by customer category.

Table 5 is a summary of the monthly sales, total receivables, bad debt allowance and net Water and Sewer receivables as of June 30, 2022 with comparative totals from June 30, 2021 and June 30, 2020. This table does not include past due accounts that have been transferred to the City of Detroit for collection as tax liens.

The table provides a comparison of days in accounts receivable calculated as net receivables divided by daily sales and confirms that over time days in AR is declining due in large part to a consistent practice of recognizing past due amounts over 60 days as bad debt expense. To the extent this allowance is adjusted, and bad debt expense is recognized in the DWSD budget, it does not impact GLWA.

Table 6 is a summary of the total, current and non-current Water and Sewer receivables by category as of June 30, 2022 with comparative totals from June 30, 2021. This table does not include past due accounts that have been transferred to the City of Detroit for collection as tax liens.

The Total Balance and Total Bad Debt Allowance as of June 30, 2022 are reflective of the values in both the Table 5 Summary and Table 6 breakdown.

Table 5 – DWSD Retail Accounts Receivable Aging Report – Summary

Summary					
Period Ending	Monthly Sales	Receivables			Days in AR (1)
		Total	Allowance	Net	
June 30, 2020	\$ 33,061,000	\$ 213,846,000	\$ (142,882,000)	\$ 70,964,000	64
June 30, 2021	\$ 36,335,000	\$ 248,055,000	\$ (200,146,000)	\$ 47,909,000	40
June 30, 2022	\$ 39,022,000	\$ 300,346,000	\$ (253,924,000)	\$ 46,422,000	36

Totals may be off due to rounding

(1) Days in AR is calculated as net receivables divided by daily sales (monthly sales/30 days)

**Table 6 – DWSD Retail Accounts Receivable Aging Report – Water & Sewer
Combined**

Sales Class	# of Accounts	Avg. Balance	Current	> 30 Days	> 60 Days	> 180 Days	Balance
Residential	211,668	\$ 768.50	\$ 14,663,000	\$ 8,296,000	\$ 27,825,000	\$ 111,883,000	\$ 162,667,000
			9.0%	5.1%	17.1%	68.8%	100.0%
Commercial	21,272	1,433.61	8,409,000	1,948,000	6,573,000	13,566,000	30,496,000
			27.6%	6.4%	21.6%	44.5%	100.0%
Industrial	3,562	4,177.28	4,724,000	898,000	1,899,000	7,358,000	14,879,000
			31.8%	6.0%	12.8%	49.4%	100.0%
Tax Exempt	3,844	823.79	570,000	180,000	496,000	1,921,000	3,167,000
			18.0%	5.7%	15.7%	60.7%	100.0%
Government	51,360	424.20	2,650,000	1,011,000	2,466,000	15,661,000	21,787,000
			12.2%	4.6%	11.3%	71.9%	100.0%
Drainage	43,369	744.67	2,683,000	1,403,000	4,578,000	23,631,000	32,295,000
			8.3%	4.3%	14.2%	73.2%	100.0%
Subtotal - Active Accounts	335,075	\$ 791.74	\$ 33,699,000	\$ 13,735,000	\$ 43,838,000	\$ 174,020,000	\$ 265,291,000
			12.7%	5.2%	16.5%	65.6%	100.0%
Inactive Accounts	314,756	111.37	58,000	78,000	692,000	34,226,000	35,055,000
			0.2%	0.2%	2.0%	97.6%	100.0%
Total	649,831	\$ 462.19	\$ 33,757,000	\$ 13,813,000	\$ 44,530,000	\$ 208,246,000	\$ 300,346,000
% of Total A/R			11.2%	4.6%	14.8%	69.3%	100.0%
Water Fund	239,341	236.81	\$ 7,929,000	\$ 2,530,000	\$ 7,988,000	\$ 38,231,000	\$ 56,678,000
Sewer Fund	276,647	880.79	\$ 25,828,000	\$ 11,283,000	\$ 36,542,000	\$ 170,015,000	\$ 243,668,000
Total June 30, 2022 (a)	649,831	462.19	\$ 33,757,000	\$ 13,813,000	\$ 44,530,000	\$ 208,246,000	\$ 300,346,000
Water Fund- Allowance							\$ (46,703,000)
Sewer Fund- Allowance							\$ (207,221,000)
Total Bad Debt Allowance							\$ (253,924,000)
Comparative - June 2021 (b)							\$ 47,135,000
Difference (a) - (b)	649,831	462.19	\$ 33,757,000	\$ 13,813,000	\$ 44,530,000	\$ 208,246,000	\$ 253,211,000



The Monthly Wholesale Billings, Receivables, & Collections Report includes the following.

1. Wholesale Water Billings and Collections
2. Wholesale Sewer Billings and Collections
3. City of Highland Park Billings and Collections
4. Wholesale Water & Sewer Accounts Receivable Aging Report

Wholesale Water Billings and Collections

Wholesale Water Contracts: Great Lakes Water Authority (GLWA) provides wholesale water service to 87 member-partners through a variety of service arrangements.

Service Arrangement Type

Model Contract	84
Emergency	1
Older Contracts	<u>2</u>
Total	<u>87</u>

Note: Services are provided to the Detroit Water & Sewerage Department (DWSD) via a Water and Sewer Services Agreement (WSSA). See the “Retail Revenues, Receivables, and Collections Report” section of this monthly report.

Wholesale Water Billing Basis: Beginning with FY 2016, wholesale water charges were restructured to create a more stable revenue stream by using a historical rolling average to project customer volumes which accounts for 40% of the monthly charges and 60% of the annual customer revenue requirement as a monthly fixed charge.

Table 1 - Wholesale Water Billings shows the FY 2022 water billed usage and revenues. As of June 30, 2022, the billed usage was at 96.69% of the original plan and billed revenue at 98.74% of the original plan. Billings and usage from the City of Flint are included as they were assumed in the FY 2022 Budget.

This table also reflects the positive impact of approved FY 2022 budget amendments and known billing adjustments on the original plan.

Wholesale Water Collections: The collections represent payments made by wholesale customers. These receipts are deposited directly into a lockbox with a trustee for administration of the flow of funds defined by GLWA’s Master Bond Ordinance.

Table 2 - Wholesale Water Collections shows collections by month for the past 12 months compared to collections for the prior year as well as the calculated difference between the periods. Current year collections are trending slightly above prior year for the twelve-month period ending June 30, 2022.

Table 1 – FY 2022 Wholesale Water Billings Report

WHOLESALE WATER CHARGES								
Month (1)	FY 2022 Charges (3)		FY 2022 - Actual		FY 2022 - Variance		FY 2021 - Actuals	
	Volume	Revenue	Volume	Revenue (2)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	1,677,100	33,302,700	1,342,686	29,642,785	(334,414)	(3,659,915)	1,862,791	33,583,619
August	1,509,200	31,598,500	1,417,142	30,604,230	(92,058)	(994,270)	1,622,324	31,230,027
September	1,316,400	29,141,000	1,298,750	29,065,588	(17,650)	(75,412)	1,313,440	27,836,560
October	1,034,000	26,280,800	1,006,217	26,123,483	(27,783)	(157,317)	1,070,660	25,454,840
November	896,800	25,001,500	905,525	25,117,181	8,725	115,681	956,542	24,390,303
December	972,100	25,612,000	958,879	25,542,432	(13,221)	(69,568)	981,770	24,600,202
January	972,000	25,650,600	979,803	25,791,405	7,803	140,805	969,483	25,235,130
February	884,400	24,852,700	875,553	24,800,493	(8,847)	(52,207)	920,467	24,794,259
March	979,500	25,678,200	963,825	25,592,186	(15,675)	(86,014)	1,001,073	25,450,418
April	914,000	25,117,700	912,124	25,139,078	(1,876)	21,378	954,308	25,140,003
May	1,059,200	26,721,900	1,094,002	27,116,529	34,802	394,629	1,181,186	27,569,969
June	1,374,300	30,029,900	1,385,287	30,301,351	10,987	271,451	1,424,230	30,066,884
Total	13,589,000	328,987,500	13,139,793	324,836,740	(449,207)	(4,150,760)	14,258,274	325,352,214
Subtotals ytd	13,589,000	328,987,500	13,139,793	324,836,740	(449,207)	(4,150,760)	14,258,274	325,352,214
Achievement of Original Plan			96.69%	98.74%				
Budget Amendments	(450,000)	(4,900,000)			450,000	4,900,000		
PY Billing Adjustments			21,488	544,190	21,488	544,190		
Revised Subtotal	13,139,000	324,087,500	13,161,281	325,380,930	22,281	1,293,430		
Achievement of Amended Plan			100.17%	100.40%				

(1) Figures are stated as "Service Months"; that is, July figures represent bills issued in August, etc.

(2) Water Revenues differ from Table 1A because amounts are reduced by the monthly payment to the City of Flint for a license to raw water rights under the Flint Raw Water Contract in Table 1A

(3) Charges are based on the approved FY 2022 water supply system charge schedule.

Table 2 - Wholesale Water Collections

Water				
Month	Current Year	Prior Year	Variance	Ratio
July	23,709,847	25,080,575	(1,370,728)	-5.47%
August	31,668,492	26,241,018	5,427,474	20.68%
September	23,849,618	26,078,015	(2,228,397)	-8.55%
October	29,212,277	29,292,690	(80,413)	-0.27%
November	25,265,770	32,218,822	(6,953,052)	-21.58%
December	25,302,369	29,609,061	(4,306,692)	-14.55%
January	31,280,599	20,716,948	10,563,651	50.99%
February	24,919,847	25,694,176	(774,329)	-3.01%
March	22,123,572	20,854,506	1,269,066	6.09%
April	21,726,941	23,545,123	(1,818,182)	-7.72%
May	27,717,969	24,878,479	2,839,490	11.41%
June	26,379,503	25,403,968	975,535	3.84%
Rolling 12-Month Total	313,156,804	309,613,381		
Rolling, 12-Month Average	26,096,400	25,801,115		

Wholesale Sewer Billings and Collections

Wholesale Sewer Contracts: GLWA provides wholesale sewer service to 18 member-partners via multiple service arrangements.

Service Arrangement Type

Model Contract	11
Emergency	0
Older Contracts	<u>7</u>
Total	<u>18</u>

Note: Services are provided to the Detroit Water & Sewerage Department via a Water and Sewer Services Agreement (WSSA). See the “Retail Revenues, Receivables, and Collections Report” section of the monthly report.

Wholesale Sewer Billing Basis: Beginning in FY 2015, the “sewer rate simplification” initiative was applied which provides for a stable revenue stream and predictability for our member partners. Wholesale sewer customers are billed a fixed monthly fee based upon the annual revenue requirement.

Table 3 - Wholesale Sewer Billings shows the FY 2022 sewer billed revenue. As of June 30, 2022 the billed revenue is at 100.00% of the original plan.

Wholesale Sewer Collections: The collections represent payments made by wholesale customers. These receipts are deposited directly into a lockbox with a trustee for administration of the flow of funds defined by GLWA’s Master Bond Ordinance.

Table 4 - Wholesale Sewer Collections shows collections by month for the past 12 months compared to collections for the prior year as well as the calculated difference between the periods.

The shift in wholesale sewer collection patterns is largely attributable to the timing of payments received. There are several large accounts whose payments swing between the end of the current month and the beginning of the next month. Current year collections are trending on par with prior year for the twelve-month period ending June 30, 2022.

Table 3 – FY 2022 Wholesale Sewer Billings Report

WHOLESALE SEWER CHARGES								
Month (1)	FY 2022 Charges		FY 2022 - Actual		FY 2022 - Variance		FY 2021 - Actuals	
	Volume (2)	Revenue	Volume (2)	Revenue	Volume (2)	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,323,183
August	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,323,183
September	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,323,183
October	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,323,183
November	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,323,183
December	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,323,183
January	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,633,025
February	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,633,025
March	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,633,025
April	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,633,025
May	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,633,025
June	N/A	22,615,000	N/A	22,615,000	N/A	-	N/A	22,633,025
Total		271,380,000		271,380,000		-		269,737,248
Subtotals ytd		271,380,000		271,380,000		-		
Achievement of Budget				100.00%				

(1) Figures are stated as "Service Months"; that is, July figures represent bills issued in August, etc.

(2) Not tracked as part of the wholesale sewer charges.

Table 4 - Wholesale Sewer Collections

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
July	21,842,125	22,297,737	(455,612)	-2.04%
August	22,191,725	25,354,280	(3,162,555)	-12.47%
September	26,706,558	19,593,613	7,112,945	36.30%
October	22,176,058	16,853,983	5,322,075	31.58%
November	16,534,758	18,966,208	(2,431,450)	-12.82%
December	21,765,958	25,232,649	(3,466,691)	-13.74%
January	26,436,258	25,968,849	467,409	1.80%
February	23,937,258	16,872,900	7,064,358	41.87%
March	24,713,158	22,368,124	2,345,034	10.48%
April	19,937,558	28,128,933	(8,191,375)	-29.12%
May	10,226,700	15,972,800	(5,746,100)	-35.97%
June	29,659,245	28,523,650	1,135,595	3.98%
Rolling 12-Month Total	266,127,359	266,133,726		
Rolling, 12-Month Average	22,177,280	22,177,811		

City of Highland Park Billings and Collections

The City of Highland Park is provided water service pursuant to an emergency service basis. Sewer service is provided pursuant to a 1982 amended contract which indicates that the parties are guided in their legal relationship by a Michigan Supreme Court decision from 1949.

As of June 30, 2022, Highland Park had a delinquent balance of \$53.4 million, including \$40.6 million for wastewater treatment services, \$1.8 million for industrial waste control services, and \$10.9 million for water supply services.

Table 5 - City of Highland Park Billings and Collections provides a life-to-date balance summary of the billing and collection history for Highland Park with detail provided for fiscal year 2022 through June 30, 2022. Please note the numbers below reflect the month the billing was sent and not the month the service was provided. A life-to-date summary is provided as an appendix to this monthly financial report.

Table 5 - City of Highland Park Billings and Collections

	Water	Sewer	IWC	Total
July 31, 2021 Balance	9,821,920	37,509,475	1,773,735	49,105,130
August 2021 Billing	109,067	446,400	4,067	559,534
August 2021 Payments	-	-	-	-
August 31, 2021 Balance	9,930,987	37,955,875	1,777,802	49,664,664
September 2021 Billing	110,440	446,400	4,062	560,902
September 2021 Payments	-	-	-	-
September 30, 2021 Balance	10,041,427	38,402,275	1,781,864	50,225,566
October 2021 Billing	109,853	446,400	4,053	560,306
October 2021 Payments	-	-	-	-
October 31, 2021 Balance	10,151,280	38,848,675	1,785,917	50,785,872
November 2021 Billing	103,417	446,400	4,069	553,886
November 2021 Payments	-	-	-	-
November 30, 2021 Balance	10,254,697	39,295,075	1,789,986	51,339,758
December 2021 Billing	100,908	446,400	4,075	551,383
December 2021 Payments	-	-	-	-
December 31, 2021 Balance	10,355,605	39,741,475	1,794,061	51,891,141
January 2022 Billing	96,633	446,400	4,002	547,035
January 2022 Payments	-	-	-	-
January 31, 2022 Balance	10,452,238	40,187,875	1,798,063	52,438,176
February 2022 Billing	97,203	446,400	4,002	547,605
February 2022 Payments	-	-	-	-
February 28, 2022 Balance	10,549,441	40,634,275	1,802,065	52,985,781
March 2022 Billing	96,540	446,400	4,000	546,940
March 2022 Payments	-	-	-	-
March 31, 2022 Balance	10,645,981	41,080,675	1,806,065	53,532,721
April 2022 Billing	98,395	446,400	4,009	548,804
April 2022 Payments	-	-	-	-
April 30, 2022 Balance	10,744,376	41,527,075	1,810,074	54,081,525
May 2022 Billing	96,254	446,400	4,009	546,663
May 2022 Payments	-	-	-	-
May 31, 2022 Balance	10,840,630	41,973,475	1,814,083	54,628,188
June 2022 Billing	100,820	446,400	4,002	551,222
June 2022 Payments	-	(1,788,828)	-	(1,788,828)
June 30, 2022 Balance	10,941,450	40,631,047	1,818,085	53,390,582

Wholesale Water & Sewer Accounts Receivable Aging Report

The detailed accounts receivable aging is in the Appendix to this monthly report. This report reflects the wholesale receivables only and does not include DWSD.

Table 6 - Wholesale Accounts Receivable Aging Report Summary is a summary of the total, current and non-current receivables by category as of June 30, 2022.

Table 7 - Wholesale Accounts Receivable Aging Report, Net of Highland Park is the same summary *without* the past due balances for the City of Highland Park. One member partner contract dispute accounts for \$5.74 million of the current water past due balance. The remaining water past due relates mainly to one account that was paid current in early July.

The small IWC past due balance related to two accounts that were paid in full in September. Pollutant surcharge past dues generally consist of smaller account holders that GLWA staff continue to communicate with.

Table 6 - Wholesale Accounts Receivable Aging Report Summary

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 54,169,640.04	\$ 37,267,249.73	\$ 1,242,764.94	\$ 1,004,318.50	\$ 14,655,306.87
Sewer	\$ 61,880,721.58	\$ 21,696,074.70	\$ 446,400.00	\$ 446,400.00	\$ 39,291,846.88
IWC	\$ 2,315,237.34	\$ 504,015.46	\$ 4,891.05	\$ 4,265.70	\$ 1,802,065.13
Pollutant Surcharge	\$ 602,197.36	\$ 595,056.34	\$ 3,048.14	\$ 1,514.27	\$ 2,578.61
Total	\$ 118,967,796.32	\$ 60,062,396.23	\$ 1,697,104.13	\$ 1,456,498.47	\$ 55,751,797.49
	100.00%	50.49%	1.43%	1.22%	46.86%

Table 7 - Wholesale Accounts Receivable Aging Report, Net of Highland Park

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 43,228,190.76	\$ 37,070,176.78	\$ 1,144,369.21	\$ 907,778.44	\$ 4,105,866.33
Sewer	\$ 21,249,674.70	\$ 21,249,674.70	\$ -	\$ -	\$ -
IWC	\$ 497,151.94	\$ 496,004.44	\$ 882.00	\$ 265.50	\$ -
Pollutant Surcharge	\$ 602,197.36	\$ 595,056.34	\$ 3,048.14	\$ 1,514.27	\$ 2,578.61
Total	\$ 65,577,214.76	\$ 59,410,912.26	\$ 1,148,299.35	\$ 909,558.21	\$ 4,108,444.94
	100.00%	90.60%	1.75%	1.39%	6.27%

Note: percentages vary from 100% due to rounding.



The Monthly Trust Receipts & Disbursements Report includes the following.

1. GLWA Trust Receipts & Disbursements – Net Cash Flows and Receipts
2. DWSD Trust Receipts & Disbursements – Net Cash Flows, Receipts & Loan Receivable
3. Combined System Trust Receipts & Disbursements – Net Cash Flows

GLWA Trust Receipts & Disbursements

Net Cash Flows and Receipts Basis: The trusts established pursuant to the Master Bond Ordinance (MBO) outline a flow of funds that governs the priority of the application of cash receipts from both the regional wholesale (i.e., Great Lakes Water Authority or GLWA) and local retail (i.e., Detroit Water & Sewerage Department or DWSD) activities which are further separated by the water system and the sewage disposal system.

This report provides an ongoing status of the net cash flow of both organizations (GLWA and DWSD) to fund their allocated share of Master Bond Ordinance requirements in accordance with the leases for the regional systems.

Table 1 – GLWA Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2022 reflects twelve months of activity to date.

Water fund receipts exceeded required disbursements by 7% through June 30, 2022 compared to the four-year historical average ratio of required receipts exceeding disbursements by 13% since July 1, 2017.

Sewer fund receipts exceeded required disbursements by 5% through June 30, 2022 compared to the four-year historical average ratio of required receipts exceeding disbursements by 6% since July 1, 2017.

Chart 1 – GLWA 12-Month Net Receipts – Water outlines monthly cash receipt trends across two points of reference for the regional water system—current year and prior year. The black line at the zero highlights the minimum goal for net receipts.

Chart 2 – GLWA 12-Month Net Receipts – Sewer outlines monthly cash receipt trends across two points of reference for the regional sewer system—current year and prior year. The black line at the zero highlights the minimum goal for net receipts.

Table 1 – GLWA Net Cash Flows from Trust Receipts & Disbursements

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022 Thru June 30
Water					
1 Receipts	\$ 338,452,001	\$ 336,594,234	\$ 332,606,196	\$ 336,642,021	\$ 338,117,694
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	338,452,001	336,594,234	332,606,196	336,642,021	338,117,694
4 Disbursements	(297,064,810)	(289,230,481)	(296,190,425)	(308,713,407)	(316,495,360)
5 Receipts Net of Required	41,387,191	47,363,753	36,415,771	27,928,614	21,622,334
6 I&E Transfer	(25,739,700)	(47,695,000)	(25,719,751)	(31,991,687)	(26,622,862)
7 Net Receipts	\$ 15,647,491	\$ (331,247)	\$ 10,696,020	\$ (4,063,073)	\$ (5,000,528)
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	114%	116%	112%	109%	107%
Sewer					
9 Receipts	\$ 476,269,761	\$ 467,743,744	\$ 490,461,356	\$ 472,871,853	\$ 471,979,297
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	476,269,761	467,743,744	490,461,356	472,871,853	471,979,297
12 Disbursements	(458,903,335)	(453,406,636)	(445,604,952)	(436,600,883)	(450,701,751)
13 Receipts Net of Required	17,366,426	14,337,108	44,856,404	36,270,970	21,277,546
14 I&E Transfer	(22,698,100)	(22,547,700)	(19,096,200)	(40,504,727)	(37,651,788)
15 DWSD Shortfall Advance	(24,113,034)	-	-	-	-
16 Shortfall Repayment (principal)	-	9,367,355	17,542,669	18,206,431	8,296,578
17 Net Receipts	\$ (29,444,708)	\$ 1,156,763	\$ 43,302,873	\$ 13,972,674	\$ (8,077,664)
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	104%	103%	110%	108%	105%
Combined					
19 Receipts	\$ 814,721,762	\$ 804,337,978	\$ 823,067,552	\$ 809,513,874	\$ 810,096,991
20 MOU Adjustments	-	-	-	-	-
21 Adjusted Receipts	814,721,762	804,337,978	823,067,552	809,513,874	810,096,991
22 Disbursements	(755,968,145)	(742,637,117)	(741,795,377)	(745,314,290)	(767,197,111)
23 Receipts Net of Required	58,753,617	61,700,861	81,272,175	64,199,584	42,899,880
24 I&E Transfer	(48,437,800)	(70,242,700)	(44,815,951)	(72,496,414)	(64,274,650)
25 Shortfall Advance	(24,113,034)	-	-	-	-
26 Shortfall Repayment	-	9,367,355	17,542,669	18,206,431	8,296,578
27 Net Receipts	\$ (13,797,217)	\$ 825,516	\$ 53,998,893	\$ 9,909,601	\$ (13,078,192)
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	108%	108%	111%	109%	106%

Chart 1 – GLWA 12-Month Net Receipts – Water

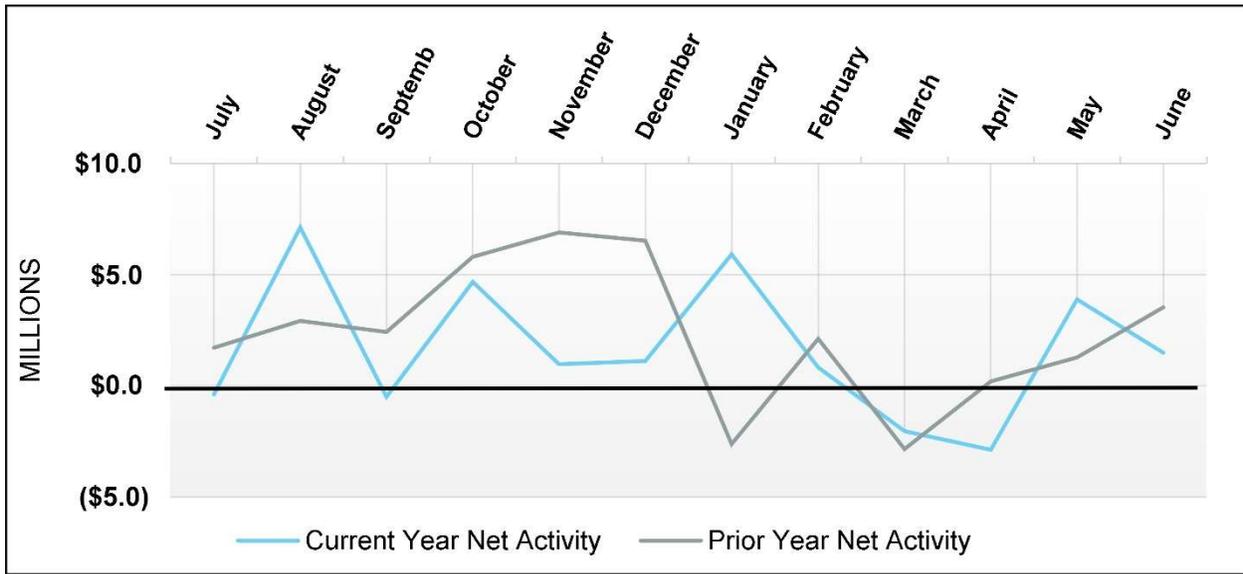
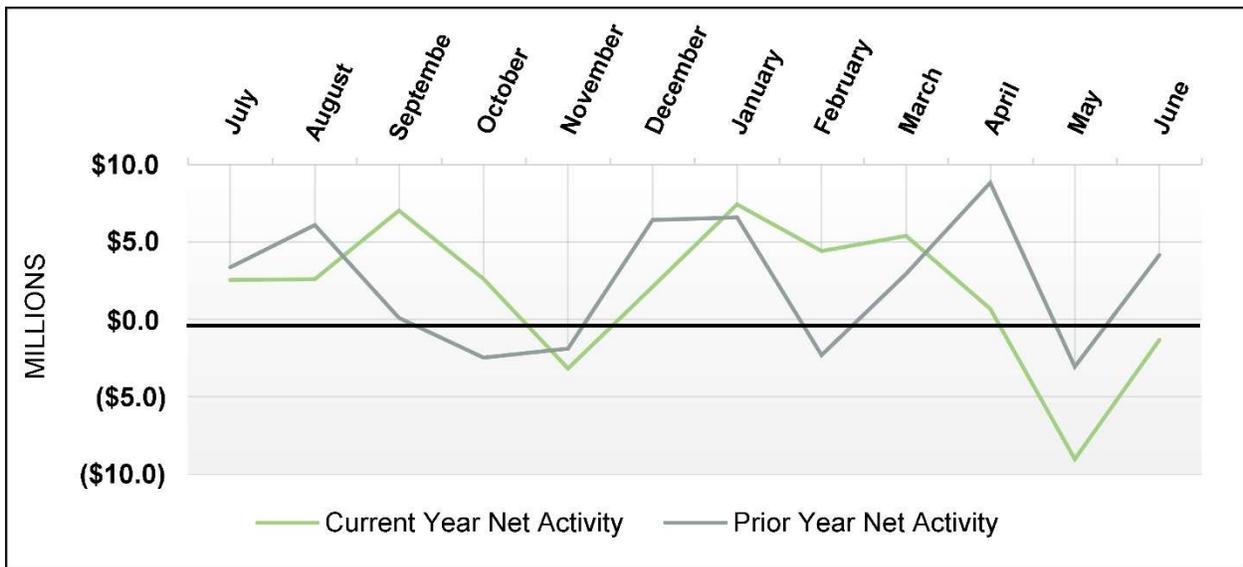


Chart 2 – GLWA 12-Month Net Receipts – Sewer



DWSD Trust Receipts & Disbursements

Net Cash Flows and Receipts Basis: The trusts established pursuant to the Master Bond Ordinance (MBO) outline a flow of funds that governs the priority of the application of cash receipts from both the regional wholesale (i.e. Great Lakes Water Authority or GLWA) and local retail (i.e. Detroit Water & Sewerage Department or DWSD) activities which are further separated by the water system and the sewage disposal system.

This report provides an ongoing status of the net cash flow of both organizations (GLWA and DWSD) to fund their allocated share of Master Bond Ordinance requirements in accordance with the leases for the regional systems.

Table 2 – DWSD Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2022 reflects twelve months of activity to date.

Water fund receipts exceeded required disbursements by 8% through June 30, 2022 compared to the four-year historical average ratio of required receipts exceeding disbursements by 3% since July 1, 2017.

Sewer fund receipts exceeded required disbursements by 2% through June 30, 2022 consistent with the four-year historical average ratio of required receipts falling short of disbursements by 2% since July 1, 2017.

Table 3 – FY 2018 DWSD Loan Receivable - Sewer provides an activity summary of the loan receivable established under the terms of the April 2018 MOU addressing the cash shortfall from FY 2018.

Table 4 – FY 2018 DWSD Loan Receivable Payments - Sewer provides an activity summary of loan receivable payments to date on the FY 2018 Sewer Loan Receivable including the interest on the loan. This payment is transferred directly to GLWA Sewer Improvement & Extension fund monthly.

The Reconciliation Committee monitors this balance and repayment progress as part of its quarterly meetings.

Chart 3 – DWSD 12-Month Net Receipts – Water outlines monthly activity trends across two points of reference for the local water system—current year and prior year. The black line at the zero highlights the breakeven goal for net receipts.

Chart 4 – DWSD 12-Month Net Receipts – Sewer outlines monthly activity trends across two points of reference for the local sewer system—current year and prior year. The black line at the zero highlights the breakeven goal for net receipts.

Table 2 – DWSD Net Cash Flows from Trust Receipts & Disbursements

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022 Thru June 30
Water					
1 Receipts	\$ 101,233,147	\$ 99,868,219	\$ 96,885,723	\$ 102,067,423	\$ 101,964,963
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	101,233,147	99,868,219	96,885,723	102,067,423	101,964,963
4 Disbursements	(93,049,457)	(97,694,600)	(97,823,097)	(100,707,200)	(94,495,601)
5 Receipts Net of Required	8,183,690	2,173,619	(937,374)	1,360,223	7,469,362
6 I&E Transfer	-	(8,407,080)	-	-	-
7 Net Receipts	\$ 8,183,690	\$ (6,233,461)	\$ (937,374)	\$ 1,360,223	\$ 7,469,362
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	109%	102%	99%	101%	108%
Sewer					
9 Receipts	\$ 242,104,791	\$ 265,339,797	\$ 264,689,559	\$ 308,210,767	\$ 291,280,896
10 MOU Adjustments	-	6,527,200	-	-	-
11 Adjusted Receipts	242,104,791	271,866,997	264,689,559	308,210,767	291,280,896
12 Disbursements	(266,217,825)	(271,018,306)	(275,507,374)	(295,100,771)	(285,256,000)
13 Receipts Net of Required	(24,113,034)	848,691	(10,817,815)	13,109,996	6,024,896
14 I&E Transfer	-	-	-	-	-
15 Shortfall Advance from GLWA	24,113,034	-	-	-	-
16 Net Receipts	\$ -	\$ 848,691	\$ (10,817,815)	\$ 13,109,996	\$ 6,024,896
17 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	91%	100%	96%	104%	102%
Combined					
18 Receipts	\$ 343,337,938	\$ 365,208,016	\$ 361,575,282	\$ 410,278,190	\$ 393,245,859
19 MOU Adjustments	-	6,527,200	-	-	-
20 Adjusted Receipts	343,337,938	371,735,216	361,575,282	410,278,190	393,245,859
21 Disbursements	(359,267,282)	(368,712,906)	(373,330,471)	(395,807,971)	(379,751,601)
22 Receipts Net of Required	(15,929,344)	3,022,310	(11,755,189)	14,470,219	13,494,258
23 I&E Transfer	-	(8,407,080)	-	-	-
24 Shortfall Advance from GLWA	24,113,034	-	-	-	-
25 Net Receipts	\$ 8,183,690	\$ (5,384,770)	\$ (11,755,189)	\$ 14,470,219	\$ 13,494,258
26 <i>Ratio of Receipts to Required Disbursements (Line 20/Line 21)</i>	96%	101%	97%	104%	104%

Table 3 – FY 2018 DWSD Loan Receivable – Sewer

Date	Transaction	Amount	Balance
06-30-19	Record Loan Receivable		24,113,034
07-15-19	Payment for July 2019	638,978	23,474,056
08-08-19	Payment for August 2019	640,686	22,833,370
09-06-19	Payment for September 2019	642,400	22,190,970
10-02-19	Payment for October 2019	644,118	21,546,852
11-04-19	Payment for November 2019	645,840	20,901,012
12-03-19	Payment for December 2019	647,567	20,253,445
01-06-20	Payment for January 2020	649,299	19,604,146
02-04-20	Payment for February 2020	651,035	18,953,111
03-03-20	Payment for March 2020	652,776	18,300,335
04-15-20	Payment for April 2020	654,522	17,645,813
05-06-20	Payment for May 2020	656,272	16,989,541
06-02-20	Payment for June 2020	658,027	16,331,514
07-07-20	Payment for July 2020	659,787	15,671,727
08-04-20	Payment for August 2020	661,551	15,010,176
09-02-20	Payment for September 2020	663,320	14,346,855
10-05-20	Payment for October 2020	665,094	13,681,761
11-03-20	Payment for November 2020	666,873	13,014,888
12-03-20	Payment for December 2020	668,656	12,346,232
01-05-21	Payment for January 2021	670,444	11,675,788
02-02-21	Payment for February 2021	672,237	11,003,551
03-03-21	Payment for March 2021	674,035	10,329,517
04-05-21	Payment for April 2021	675,837	9,653,679
05-04-21	Payment for May 2021	677,644	8,976,035
06-03-21	Payment for June 2021	679,457	8,296,578
07-02-21	Payment for July 2021	681,274	7,615,305
08-03-21	Payment for August 2021	683,095	6,932,209
09-03-21	Payment for September 2021	684,922	6,247,287
10-05-21	Payment for October 2021	686,754	5,560,534
11-03-21	Payment for November 2021	688,590	4,871,944
12-06-21	Payment for December 2021	690,432	4,181,512
01-05-22	Payment for January 2022	692,278	3,489,234
02-04-22	Payment for February 2022	694,129	2,795,105
03-03-22	Payment for March 2022	695,985	2,099,119
04-03-22	Payment for April 2022	697,847	1,401,273
05-03-22	Payment for May 2022	699,713	701,560
06-07-22	Payment for June 2022	701,560	0
		24,113,034	0

Table 4 – FY 2018 DWSD Loan Receivable Payments – Sewer

Date	Transaction	Principal	Interest	Total Paid
07-15-19	Payment for July 2019	638,978	64,482	703,460
08-08-19	Payment for August 2019	640,686	62,774	703,460
09-06-19	Payment for September 2019	642,400	61,060	703,460
10-02-19	Payment for October 2019	644,118	59,342	703,460
11-04-19	Payment for November 2019	645,840	57,620	703,460
12-03-19	Payment for December 2019	647,567	55,893	703,460
01-06-20	Payment for January 2020	649,299	54,161	703,460
02-04-20	Payment for February 2020	651,035	52,425	703,460
03-03-20	Payment for March 2020	652,776	50,684	703,460
04-15-20	Payment for April 2020	654,522	48,938	703,460
05-06-20	Payment for May 2020	656,272	47,188	703,460
06-02-20	Payment for June 2020	658,027	45,433	703,460
07-07-20	Payment for July 2020	659,787	43,673	703,460
08-04-20	Payment for August 2020	661,551	41,909	703,460
09-02-20	Payment for September 2020	663,320	40,140	703,460
10-05-20	Payment for October 2020	665,094	38,366	703,460
11-03-20	Payment for November 2020	666,873	36,587	703,460
12-03-20	Payment for December 2020	668,656	34,804	703,460
01-05-21	Payment for January 2021	670,444	33,016	703,460
02-02-21	Payment for February 2021	672,237	31,223	703,460
03-03-21	Payment for March 2021	674,035	29,425	703,460
04-05-21	Payment for April 2021	675,837	27,623	703,460
05-04-21	Payment for May 2021	677,644	25,816	703,460
06-03-21	Payment for June 2021	679,457	24,003	703,460
07-02-21	Payment for July 2021	681,274	22,186	703,460
08-03-21	Payment for August 2021	683,095	20,365	703,460
09-03-21	Payment for September 2021	684,922	18,538	703,460
10-05-21	Payment for October 2021	686,754	16,706	703,460
11-03-21	Payment for November 2021	688,590	14,870	703,460
12-06-21	Payment for December 2021	690,432	13,028	703,460
01-05-22	Payment for January 2022	692,278	11,182	703,460
02-04-22	Payment for February 2022	694,129	9,331	703,460
03-03-22	Payment for March 2022	695,985	7,475	703,460
04-04-22	Payment for April 2022	697,847	5,613	703,460
05-03-22	Payment for May 2022	699,713	3,747	703,460
06-07-22	Payment for June 2022	701,560	1,876	703,436
		24,113,034	1,211,503	25,324,536

Chart 3 – DWSD 12-Month Net Receipts – Water

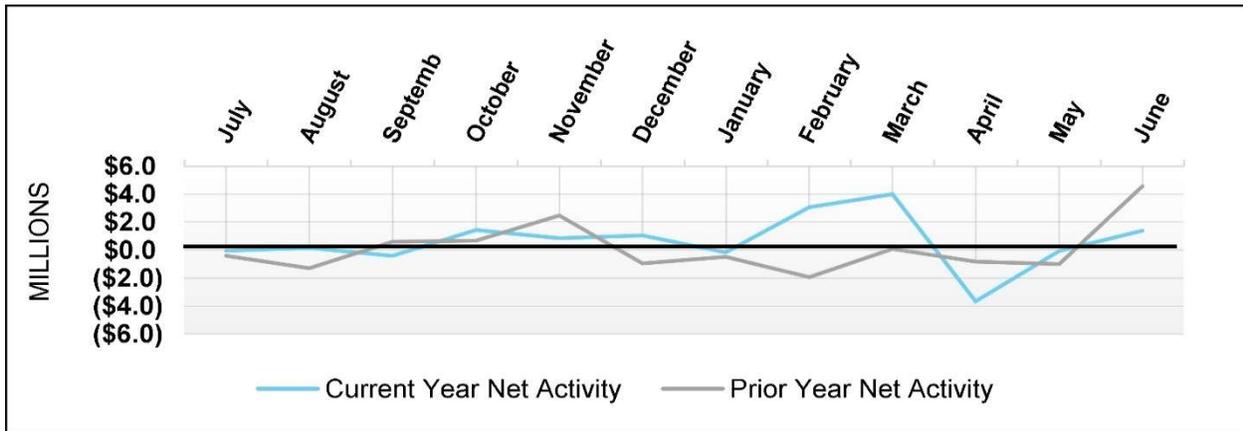
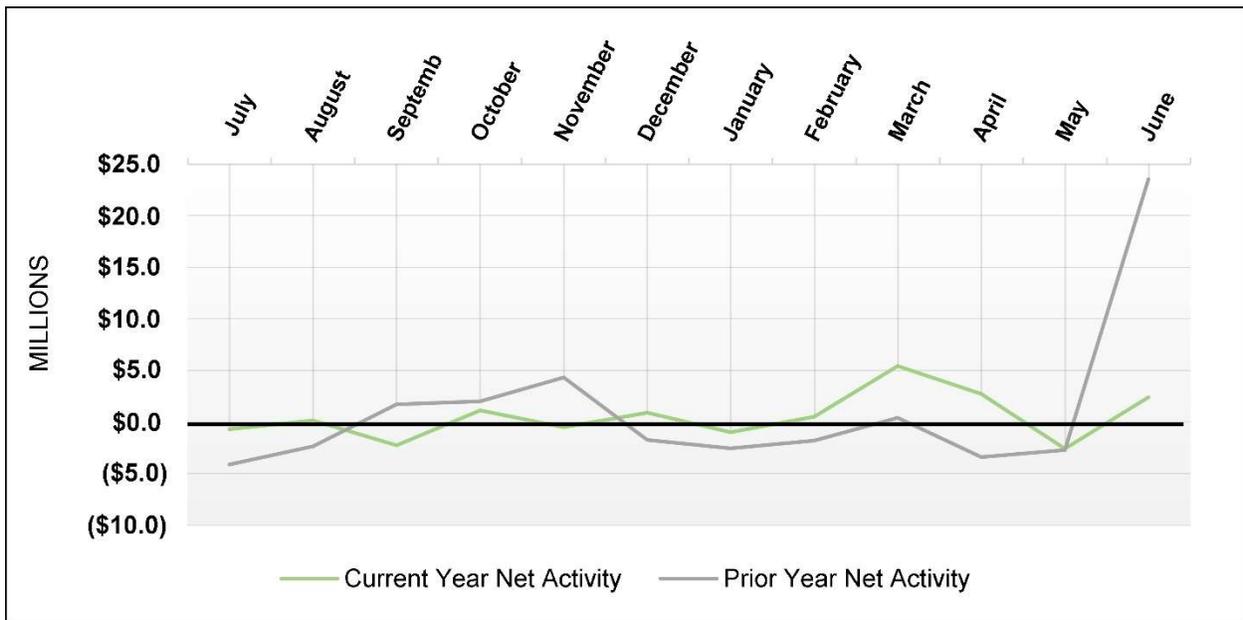


Chart 4 – DWSD 12-Month Net Receipts – Sewer



Combined System Trust Receipts & Disbursements

Net Cash Flows and Receipts Basis: The trusts established pursuant to the Master Bond Ordinance (MBO) outline a flow of funds that governs the priority of the application of cash receipts from both the regional wholesale (i.e., Great Lakes Water Authority or GLWA) and local retail (i.e. Detroit Water & Sewerage Department or DWSD) activities which are further separated by the water system and the sewage disposal system.

Table 5 – Combined Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2022 reflects twelve months of activity to date.

Water fund net receipts exceeded required disbursements by 7% through June 30, 2022 consistent with the four-year historical average ratio of required receipts exceeding disbursements by 10% since July 1, 2017.

Sewer fund receipts exceeded required disbursements by 4% through June 30, 2022 compared to the four-year historical average ratio of required receipts exceeding disbursements by 3% since July 1, 2017.

Table 5 – Combined Net Cash Flows from Trust Receipts & Disbursements

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022 Thru June 30
Water					
1 Receipts	\$ 439,685,148	\$ 436,462,453	\$ 429,491,919	\$ 438,709,444	\$ 440,082,657
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	439,685,148	436,462,453	429,491,919	438,709,444	440,082,657
4 Disbursements	(390,114,267)	(386,925,081)	(394,013,522)	(409,420,607)	(410,990,961)
5 Receipts Net of Required	49,570,881	49,537,372	35,478,397	29,288,837	29,091,696
6 I&E Transfer	(25,739,700)	(56,102,080)	(25,719,751)	(31,991,687)	(26,622,862)
7 Net Receipts	\$ 23,831,181	\$ (6,564,708)	\$ 9,758,646	\$ (2,702,850)	\$ 2,468,834
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	113%	113%	109%	107%	107%
Sewer					
9 Receipts	\$ 718,374,552	\$ 733,083,541	\$ 755,150,915	\$ 781,082,620	\$ 763,260,193
10 MOU Adjustments	-	6,527,200	-	-	-
11 Adjusted Receipts	718,374,552	739,610,741	755,150,915	781,082,620	763,260,193
12 Disbursements	(725,121,160)	(724,424,942)	(721,112,326)	(731,701,654)	(735,957,751)
13 Receipts Net of Required	(6,746,608)	15,185,799	34,038,589	49,380,966	27,302,442
14 I&E Transfer	(22,698,100)	(22,547,700)	(19,096,200)	(40,504,727)	(37,651,788)
15 Shortfall Advance	-	-	-	-	-
16 Shortfall Repayment (principal)	-	9,367,355	17,542,669	18,206,431	8,296,578
17 Net Receipts	\$ (29,444,708)	\$ (7,361,901)	\$ 32,485,058	\$ 27,082,670	\$ (2,052,768)
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	99%	102%	105%	107%	104%
Combined					
19 Receipts	\$1,158,059,700	\$1,169,545,994	\$1,184,642,834	\$1,219,792,064	\$ 1,203,342,850
20 MOU Adjustments	-	6,527,200	-	-	-
21 Adjusted Receipts	1,158,059,700	1,176,073,194	1,184,642,834	1,219,792,064	1,203,342,850
22 Disbursements	(1,115,235,427)	(1,111,350,023)	(1,115,125,848)	(1,141,122,261)	(1,146,948,712)
23 Receipts Net of Required	42,824,273	64,723,171	69,516,986	78,669,803	56,394,138
24 I&E Transfer	(48,437,800)	(78,649,780)	(44,815,951)	(72,496,414)	(64,274,650)
25 Shortfall Advance	-	-	-	-	-
26 Shortfall Repayment	-	9,367,355	17,542,669	18,206,431	8,296,578
27 Net Receipts	\$ (5,613,527)	\$ (4,559,254)	\$ 42,243,704	\$ 24,379,820	\$ 416,066
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	104%	106%	106%	107%	105%

APPENDIX

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$396,187.17	\$396,187.17	\$0.00	\$0.00	\$0.00
ALMONT VILLAGE	\$20,930.66	\$20,930.66	\$0.00	\$0.00	\$0.00
ASH TOWNSHIP	\$74,841.38	\$74,841.38	\$0.00	\$0.00	\$0.00
BELLEVILLE	\$28,408.77	\$28,408.77	\$0.00	\$0.00	\$0.00
BERLIN TOWNSHIP	\$5,234.08	\$5,234.08	\$0.00	\$0.00	\$0.00
BROWNSTOWN TOWNSHIP	\$622,683.44	\$622,683.44	\$0.00	\$0.00	\$0.00
BRUCE TOWNSHIP	\$46,572.63	\$46,572.63	\$0.00	\$0.00	\$0.00
BURTCHVILLE TOWNSHIP	\$33,738.30	\$33,738.30	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$907,775.14	\$907,775.14	\$0.00	\$0.00	\$0.00
CENTER LINE	\$81,720.67	\$81,720.67	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$377,987.34	\$377,987.34	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$627,808.11	\$627,808.11	\$0.00	\$0.00	\$0.00
COMMERCE TOWNSHIP	\$590,156.00	\$590,156.00	\$0.00	\$0.00	\$0.00
DEARBORN	\$7,269,881.13	\$1,526,835.41	\$933,905.73	\$703,273.66	\$4,105,866.33
DEARBORN HEIGHTS	\$644,761.49	\$644,761.49	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$138,773.46	\$138,773.46	\$0.00	\$0.00	\$0.00
ECORSE	\$113,018.30	\$113,018.30	\$0.00	\$0.00	\$0.00
FARMINGTON	\$88,575.88	\$88,575.88	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$1,469,346.15	\$1,469,346.15	\$0.00	\$0.00	\$0.00
FERNDALE	\$90,661.70	\$90,661.70	\$0.00	\$0.00	\$0.00
FLAT ROCK	\$239,045.79	\$239,045.79	\$0.00	\$0.00	\$0.00
FLINT	\$427,521.80	\$427,521.80	\$0.00	\$0.00	\$0.00
FRASER	\$104,850.72	\$104,850.72	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
GARDEN CITY	\$154,798.31	\$154,798.31	\$0.00	\$0.00	\$0.00
GENESEE COUNTY DRAIN COMM	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GIBRALTAR	\$29,388.69	\$29,388.69	\$0.00	\$0.00	\$0.00
GREATER LAPEER CUA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE ILE TOWNSHIP	\$102,390.66	\$102,390.66	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$116,190.48	\$116,190.48	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$57,867.56	\$57,867.56	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$108,310.33	\$108,310.33	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$135,846.66	\$135,846.66	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$72,705.89	\$72,705.89	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$145,621.67	\$145,621.67	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$63,081.00	\$63,081.00	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$10,941,449.28	\$197,072.95	\$98,395.73	\$96,540.06	\$10,549,440.54
HURON TOWNSHIP	\$142,031.40	\$142,031.40	\$0.00	\$0.00	\$0.00
IMLAY CITY	\$136,669.15	\$136,669.15	\$0.00	\$0.00	\$0.00
IMLAY TOWNSHIP	\$903.56	\$903.56	\$0.00	\$0.00	\$0.00
INKSTER	\$227,716.68	\$227,716.68	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$50,402.98	\$50,402.98	\$0.00	\$0.00	\$0.00
LAPEER	\$137,153.71	\$137,153.71	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$26,708.64	\$26,708.64	\$0.00	\$0.00	\$0.00
LINCOLN PARK	\$823,658.24	\$412,236.51	\$206,916.95	\$204,504.78	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
LIVONIA	\$1,903,364.94	\$1,900,048.27	\$3,316.67	\$0.00	\$0.00
MACOMB TWP	\$1,151,585.82	\$1,151,585.82	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$176,995.83	\$176,995.83	\$0.00	\$0.00	\$0.00
MAYFIELD TOWNSHIP	\$3,920.67	\$3,920.67	\$0.00	\$0.00	\$0.00
MELVINDALE	\$60,503.17	\$60,503.17	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$33,427.15	\$33,427.15	\$0.00	\$0.00	\$0.00
NOCWA	\$3,609,093.92	\$3,609,093.92	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$66,303.66	\$66,303.66	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$476,092.16	\$476,092.16	\$0.00	\$0.00	\$0.00
NOVI	\$790,852.21	\$790,852.21	\$0.00	\$0.00	\$0.00
OAK PARK	\$119,777.24	\$119,777.24	\$0.00	\$0.00	\$0.00
OAKLAND CO DR COM	\$14,250.61	\$14,250.61	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$183,341.07	\$183,341.07	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$391,016.62	\$391,016.62	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$277,545.18	\$277,545.18	\$0.00	\$0.00	\$0.00
RIVER ROUGE	\$120,375.31	\$120,375.31	\$0.00	\$0.00	\$0.00
RIVERVIEW	\$152,076.01	\$151,846.15	\$229.86	\$0.00	\$0.00
ROCKWOOD	\$24,484.84	\$24,484.84	\$0.00	\$0.00	\$0.00
ROMEO	\$44,109.05	\$44,109.05	\$0.00	\$0.00	\$0.00
ROMULUS	\$365,412.84	\$365,412.84	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$228,929.90	\$228,929.90	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$32,700.40	\$32,700.40	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$1,240,531.68	\$1,240,531.68	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SOCWA	\$3,879,317.66	\$3,879,317.66	\$0.00	\$0.00	\$0.00
SOUTH ROCKWOOD	\$10,929.73	\$10,929.73	\$0.00	\$0.00	\$0.00
SOUTHGATE	\$200,189.81	\$200,189.81	\$0.00	\$0.00	\$0.00
ST. CLAIR CNTY-GREENWOOD ENE	\$60,831.50	\$60,831.50	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$551,434.96	\$551,434.96	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$2,590,574.64	\$2,590,574.64	\$0.00	\$0.00	\$0.00
SUMPTER TOWNSHIP	\$71,666.42	\$71,666.42	\$0.00	\$0.00	\$0.00
SYLVAN LAKE	\$21,075.25	\$21,075.25	\$0.00	\$0.00	\$0.00
TAYLOR	\$419,570.73	\$419,570.73	\$0.00	\$0.00	\$0.00
TRENTON	\$150,785.50	\$150,785.50	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$1,133,599.49	\$1,133,599.49	\$0.00	\$0.00	\$0.00
UTICA	\$48,879.06	\$48,879.06	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$305,352.19	\$305,352.19	\$0.00	\$0.00	\$0.00
WALLED LAKE	\$132,513.52	\$132,513.52	\$0.00	\$0.00	\$0.00
WARREN	\$906,899.63	\$906,899.63	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$206,423.33	\$206,423.33	\$0.00	\$0.00	\$0.00
WAYNE	\$291,365.40	\$291,365.40	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$1,787,494.80	\$1,787,494.80	\$0.00	\$0.00	\$0.00
WESTLAND	\$561,578.33	\$561,578.33	\$0.00	\$0.00	\$0.00
WIXOM	\$427,479.27	\$427,479.27	\$0.00	\$0.00	\$0.00
WOODHAVEN	\$150,335.02	\$150,335.02	\$0.00	\$0.00	\$0.00
YCUA	\$921,278.52	\$921,278.52	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
TOTAL WATER ACCOUNTS	\$54,169,640.04	\$37,267,249.73	\$1,242,764.94	\$1,004,318.50	\$14,655,306.87

GLWA Aged Accounts Receivable- SEWER ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CENTER LINE	\$85,799.50	\$85,799.50	\$0.00	\$0.00	\$0.00
DEARBORN	\$1,671,500.00	\$1,671,500.00	\$0.00	\$0.00	\$0.00
DEARBORN EAST	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN N.E.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EVERGREEN-FARMINGTON	\$2,980,500.00	\$2,980,500.00	\$0.00	\$0.00	\$0.00
FARMINGTON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$40,631,046.88	\$446,400.00	\$446,400.00	\$446,400.00	\$39,291,846.88
MELVINDALE	\$129,500.00	\$129,500.00	\$0.00	\$0.00	\$0.00
OAKLAND COUNTY GWK DD	\$3,819,000.00	\$3,819,000.00	\$0.00	\$0.00	\$0.00
OMID	\$5,889,075.20	\$5,889,075.20	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROUGE VALLEY	\$4,605,600.00	\$4,605,600.00	\$0.00	\$0.00	\$0.00
SOUTH MACOMB SANITATION DIST	\$2,064,400.00	\$2,064,400.00	\$0.00	\$0.00	\$0.00
WAYNE COUNTY-AREA #3	\$4,300.00	\$4,300.00	\$0.00	\$0.00	\$0.00
TOTAL SEWER ACCOUNTS	\$61,880,721.58	\$21,696,074.70	\$446,400.00	\$446,400.00	\$39,291,846.88

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$1,605.39	\$1,605.39	\$0.00	\$0.00	\$0.00
AUBURN HILLS (C-O)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AUBURN HILLS (C-O) ADMIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AUBURN HILLS (E-F)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BERKLEY	\$3,147.06	\$3,147.06	\$0.00	\$0.00	\$0.00
BEVERLY HILLS	\$994.74	\$994.74	\$0.00	\$0.00	\$0.00
BINGHAM FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BIRMINGHAM (E-F)	\$ (12.39)	\$ (12.39)	\$0.00	\$0.00	\$0.00
BIRMINGHAM (SEOC)	\$5,660.46	\$5,660.46	\$0.00	\$0.00	\$0.00
BLOOMFIELD HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BLOOMFIELD TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$84.96	\$84.96	\$0.00	\$0.00	\$0.00
CENTER LINE	\$3,667.44	\$3,667.44	\$0.00	\$0.00	\$0.00
CHARTER TOWNSHIP OF INDEPENI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$12,581.16	\$12,581.16	\$0.00	\$0.00	\$0.00
CITY OF FARMINGTON (E-F)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CITY OF FERNDALE	\$8,867.70	\$8,867.70	\$0.00	\$0.00	\$0.00
CITY OF ROCHESTER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLARKSTON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLARKSTON (C-O) ADMIN	\$69.06	\$69.06	\$0.00	\$0.00	\$0.00
CLAWSON	\$3,122.28	\$3,122.28	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$26,684.52	\$26,684.52	\$0.00	\$0.00	\$0.00
DEARBORN	\$74,704.62	\$74,035.56	\$403.56	\$265.50	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
DEARBORN HEIGHTS	\$9,492.51	\$9,492.51	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$106.20	\$106.20	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$12,853.74	\$12,853.74	\$0.00	\$0.00	\$0.00
FARMINGTON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$637.20	\$637.20	\$0.00	\$0.00	\$0.00
FRASER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GARDEN CITY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE	\$1,573.53	\$1,573.53	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$1,177.05	\$1,177.05	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$4,155.96	\$4,155.96	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$1,897.44	\$1,897.44	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$2,810.76	\$2,810.76	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$3,262.11	\$3,262.11	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$1,818,085.40	\$8,011.02	\$4,009.05	\$4,000.20	\$1,802,065.13
HUNTINGTON WOODS	\$284.97	\$284.97	\$0.00	\$0.00	\$0.00
INDEPENDENCE (C-O) ADMIN	\$1,289.20	\$1,289.20	\$0.00	\$0.00	\$0.00
INKSTER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LAKE ORION	\$800.04	\$800.04	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
LATHRUP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$323.91	\$323.91	\$0.00	\$0.00	\$0.00
LIVONIA	\$40,301.13	\$40,301.13	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MELVINDALE	\$3,501.06	\$3,501.06	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$1,773.54	\$1,773.54	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NOVI	\$17,349.54	\$17,349.54	\$0.00	\$0.00	\$0.00
OAK PARK	\$7,218.06	\$7,218.06	\$0.00	\$0.00	\$0.00
OAKLAND TOWNSHIP	\$7.08	\$7.08	\$0.00	\$0.00	\$0.00
ORCHARD LAKE VILLAGE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ORION TOWNSHIP (C-O)	\$4,345.35	\$4,345.35	\$0.00	\$0.00	\$0.00
ORION TOWNSHIP (C-O) ADMIN	\$486.88	\$486.88	\$0.00	\$0.00	\$0.00
OXFORD TOWNSHIP	\$1,067.31	\$1,067.31	\$0.00	\$0.00	\$0.00
OXFORD VILLAGE	\$1,253.16	\$1,253.16	\$0.00	\$0.00	\$0.00
PLEASANT RIDGE	\$272.58	\$272.58	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$3,883.38	\$3,883.38	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$136.29	\$136.29	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$12,616.56	\$12,616.56	\$0.00	\$0.00	\$0.00
ROCHESTER HILLS	\$18,439.86	\$18,439.86	\$0.00	\$0.00	\$0.00
ROMULUS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ROSEVILLE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROYAL OAK	\$13,800.69	\$13,800.69	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$14,891.01	\$14,891.01	\$0.00	\$0.00	\$0.00
SOUTHFIELD (E-F)	\$55,858.52	\$55,858.52	\$0.00	\$0.00	\$0.00
SOUTHFIELD (SEOC)	\$7,126.56	\$6,648.12	\$478.44	\$0.00	\$0.00
ST. CLAIR SHORES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$31,799.82	\$31,799.82	\$0.00	\$0.00	\$0.00
TROY (E-F)	\$382.32	\$382.32	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$37,430.19	\$37,430.19	\$0.00	\$0.00	\$0.00
UTICA	\$3,035.55	\$3,035.55	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$2,039.04	\$2,039.04	\$0.00	\$0.00	\$0.00
VILLAGE OF FRANKLIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$1,640.79	\$1,640.79	\$0.00	\$0.00	\$0.00
WATERFORD TOWNSHIP DPW	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATERFORD TOWNSHIP DPW (ADMI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WAYNE	\$4,996.71	\$4,996.71	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (E-F)	\$6,368.55	\$6,368.55	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP. (C-O) A	\$243.39	\$243.39	\$0.00	\$0.00	\$0.00
WESTLAND	\$23,045.40	\$23,045.40	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
TOTAL IWC ACCOUNTS	\$2,315,237.34	\$504,015.46	\$4,891.05	\$4,265.70	\$1,802,065.13

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
3M COMPANY (MINNESOTA MINING	\$1,367.46	\$1,367.46	\$0.00	\$0.00	\$0.00
A & R PACKING CO., LLC	\$1,315.24	\$1,315.24	\$0.00	\$0.00	\$0.00
AACTRON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ACADEMY PACKING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ACME RUSTPROOF	\$107.68	\$71.29	\$36.39	\$0.00	\$0.00
ADORING PET FUNERAL HOME	\$49.86	\$49.86	\$0.00	\$0.00	\$0.00
ADVANCE ENGINEERING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AEVITAS SPECIALITY SERVICES	\$263.99	\$263.99	\$0.00	\$0.00	\$0.00
ALEXANDER & HORNING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ALEXANDER & HORNING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ALL CHEM CORP, LLC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ALPHA STAMPING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AMERICAN WASTE TECH INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AMERITI MFG. CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
APPLIED TECHNOLOGY INDUSTRIE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ATWATER IN THE PARK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AUTOMOTIVE FINISH	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AXLE BREWING COMPANY, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
B. NEKTAR MEADERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BAFFIN BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BARON INDUSTRIES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BARTZ BAKERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BASTONE BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
BATCH BREWING COMPANY	\$1,096.89	\$0.00	\$43.76	\$0.00	\$1,053.13
BAYS MICHIGAN CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BEIRUT BAKERY, INC.	\$37.00	\$0.00	\$0.00	\$0.00	\$37.00
BETTER MADE SNACK FOOD	\$45,397.07	\$45,397.07	\$0.00	\$0.00	\$0.00
BLACK LOTUS BREWING CO.	\$61.25	\$0.00	\$0.00	\$0.00	\$61.25
BOZEK'S MARKET	\$46.43	\$46.43	\$0.00	\$0.00	\$0.00
BREW DETROIT	\$5,896.12	\$5,896.12	\$0.00	\$0.00	\$0.00
BROADWAY MKT CORNED BEEF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BROOKS BREWING, LLC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BROWN IRON BREWHOUSE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CADILLAC STRAITS BREWING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CANTON BREW WORKS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CAPITAL REPRODUCTIONS	\$5.48	\$5.48	\$0.00	\$0.00	\$0.00
CF BURGER CREAMERY	\$14,858.15	\$14,858.15	\$0.00	\$0.00	\$0.00
CHILANGO'S BAKERY	\$2,056.25	\$21.60	\$11.37	\$10.23	\$2,013.05
CINTAS CORP. - MACOMB TWP.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$10,613.86	\$10,613.86	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$6,665.33	\$6,665.33	\$0.00	\$0.00	\$0.00
CITY LAUNDRY, INC.	\$6.44	\$6.44	\$0.00	\$0.00	\$0.00
CLASSIC CONTAINER CORP.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COCA-COLA REFRESHMENTS USA,	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COUNTRY FRESH DAIRY CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CROSS CHEMICAL COMPANY, INC.	\$199.82	\$199.82	\$0.00	\$0.00	\$0.00
DARLING INGREDIENTS, INC.	\$9,292.20	\$9,292.20	\$0.00	\$0.00	\$0.00
DAVE'S SAUSAGE FACTORY 2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN BREWING	\$ (11.58)	\$0.00	\$0.00	\$0.00	\$ (11.58)
DEARBORN SAUSAGE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN SAUSAGE CO., INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT BEER CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT LINEN SERVICE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$210,846.19	\$210,846.19	\$0.00	\$0.00	\$0.00
DETROIT RIVERTOWN BREWERY CC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT SAUSAGES CO INC	\$35.36	\$17.68	\$11.05	\$6.63	\$0.00
DETRONIC INDUSTRIES, INC.	\$95.87	\$95.87	\$0.00	\$0.00	\$0.00
DIFCO LABORATORIES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DIVERSIFIED CHEM TECH. INC.	\$95.11	\$95.11	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$7,225.38	\$7,225.38	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$3,181.96	\$3,181.96	\$0.00	\$0.00	\$0.00
DOWNEY BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
E.W. GROBBEL'S SONS, INC.	\$2,933.99	\$2,933.99	\$0.00	\$0.00	\$0.00
EASTERN MARKET BREWING COMP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ENVIROSOLIDS, L.L.C.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$2,184.65	\$2,183.66	\$0.99	\$0.00	\$0.00
EQ DETROIT, INC.	\$5,195.49	\$5,195.49	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$41.21	\$41.21	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ETON ST BREWERY- GRIFFIN CLF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXTRUDE HONE CORPORATION	\$195.12	\$90.17	\$104.95	\$0.00	\$0.00
EXTRUDEHODE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FARMINGTON BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FAYGO BEVERAGES, INC.	\$16,437.49	\$16,437.49	\$0.00	\$0.00	\$0.00
FITZGERALD FINISHING LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FIVES CINETIC CORP.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FORD NEW MODEL PROGRAM	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FOUNDERS BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$590.02	\$590.02	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GENERAL LINEN SUPPLY CO.	\$3,323.91	\$3,323.91	\$0.00	\$0.00	\$0.00
GLOBAL TITANIUM, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$ (38.34)	\$0.00	\$0.00	\$0.00	\$ (38.34)
GRANITE CITY FOOD & BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GREAT BARABOO BREWING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
HACIENDA MEXICAN FOODS	\$2,487.76	\$1,125.45	\$596.55	\$565.80	\$199.96
HENKEL CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HOME STYLE FOOD INC.	\$1,367.42	\$1,367.42	\$0.00	\$0.00	\$0.00
HOMEGROWN BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HOODS CLEANERS	\$211.33	\$0.00	\$0.00	\$0.00	\$211.33
HOUGHTON INTERNATIONAL INC.	\$31.51	\$31.51	\$0.00	\$0.00	\$0.00
HOUGHTON INTERNATIONAL INC.	\$345.90	\$36.08	\$18.53	\$10.73	\$280.56
HOUGHTON INTERNATIONAL INC.	\$(2,662.06)	\$0.00	\$0.00	\$0.00	\$(2,662.06)
HUNTINGTON CLEANERS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
IDP, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
INDUSTRIAL METAL COATING	\$760.61	\$760.61	\$0.00	\$0.00	\$0.00
INTRASTATE DISTRIBUTORS	\$731.86	\$731.86	\$0.00	\$0.00	\$0.00
ISLAMIC SLAUGHTER HOUSE	\$822.97	\$822.97	\$0.00	\$0.00	\$0.00
ITALIAN BUTTER BREAD STICKS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
JAMEX BREWING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
KAR NUT PRODUCTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
KOWALSKI SAUSAGES, CO.	\$463.12	\$463.12	\$0.00	\$0.00	\$0.00
KUHNHENN BREWING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$526.85	\$526.85	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$43.06	\$43.06	\$0.00	\$0.00	\$0.00
LEAR CORPORATION DBA EAGLE C	\$2,419.28	\$2,419.28	\$0.00	\$0.00	\$0.00
LIBERTY STREET PROD. BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LILY'S SEAFOOD GRILL & BREWE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
LIQUID ENVIRONMENTAL SOLUTIC	\$3,855.04	\$1,490.56	\$1,131.20	\$920.88	\$312.40
MACDERMID, INC.	\$ (72.52)	\$ (72.52)	\$0.00	\$0.00	\$0.00
MCCLURE'S PICKLES	\$753.75	\$753.75	\$0.00	\$0.00	\$0.00
MCNICHOLS POLISHING & ANODIZ	\$24.48	\$24.48	\$0.00	\$0.00	\$0.00
MELLO MEATS INC, - KUBISCH S	\$66.33	\$66.33	\$0.00	\$0.00	\$0.00
METROPOLITAN BAKERY	\$454.71	\$454.71	\$0.00	\$0.00	\$0.00
MIBA HYDRAMECHANICA CORP.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MICHIGAN DAIRY	\$105,530.47	\$105,530.47	\$0.00	\$0.00	\$0.00
MICHIGAN PROD. MACHINING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MICHIGAN SOY PRODUCTS CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MIDWEST WIRE PRODUCTS, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MILANO BAKERY	\$468.64	\$468.64	\$0.00	\$0.00	\$0.00
MILTON CHILI CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MINNIE MARIE BAKERS, INC	\$2,243.28	\$2,243.28	\$0.00	\$0.00	\$0.00
MISTER UNIFORM & MAT RENTALS	\$ (0.17)	\$0.00	\$0.00	\$0.00	\$ (0.17)
MOTOR CITY BREWING WORKS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NATIONAL CHILI COMPANY	\$220.51	\$220.51	\$0.00	\$0.00	\$0.00
NEAPCO DRIVELINES	\$1,227.73	\$1,227.73	\$0.00	\$0.00	\$0.00
NORTH CENTER BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTHERN LAKES SEAFOOD & MEZ	\$28.50	\$28.50	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
OAKWOOD BAKERY	\$49.85	\$49.85	\$0.00	\$0.00	\$0.00
OLIVER HATCH CONSTRUCTION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PARKER'S HILLTOP BREWER & SE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PELLERITO FOODS INC.	\$4.03	\$4.03	\$0.00	\$0.00	\$0.00
PEPSI COLA, INC.	\$27,045.61	\$27,045.61	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PERSONAL UNIFORM SERVICE, IN	\$(8.30)	\$0.00	\$(8.30)	\$0.00	\$0.00
PETRO ENVIRON TECH, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PINE TREE ACRES, INC.	\$19,172.36	\$19,172.36	\$0.00	\$0.00	\$0.00
PLATING SPEC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POWER VAC OF MICHIGAN, INC.	\$170.20	\$170.20	\$0.00	\$0.00	\$0.00
PREMIER PLATING, LLC	\$1,425.42	\$1,425.42	\$0.00	\$0.00	\$0.00
PRODUCTION SPRING, LLC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
QUALA SERVICES, LLC	\$34.71	\$34.71	\$0.00	\$0.00	\$0.00
RAY'S ICE CREAM CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RED SPOT PAINT #409139	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIVER ROUGE BREWING COMPANY	\$440.60	\$0.00	\$0.00	\$0.00	\$440.60
ROAK BREWING CO. LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS BEER COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS PROD BREWERY	\$1,765.08	\$0.00	\$1,083.20	\$0.00	\$681.88
ROYAL OAK BREWERY	\$(128.00)	\$0.00	\$0.00	\$0.00	\$(128.00)

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
RTT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SEAFARE FOODS, INC.	\$36.90	\$36.90	\$0.00	\$0.00	\$0.00
SHERWOOD BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SMITH-WATKINS, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SPRAYTEK, INC.	\$14.52	\$0.00	\$0.00	\$0.00	\$14.52
SUPERNATURAL SPIRITS & BREWI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SWEETHEART BAKERY, INC.	\$118.00	\$99.55	\$18.45	\$0.00	\$0.00
THE CROWN GROUP-LIVONIA PLAN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
THERMO FISHER SCIENTIFIC	\$2,272.14	\$2,272.14	\$0.00	\$0.00	\$0.00
TOM LAUNDRY CLEANERS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRAFFIC JAM & SNUG	\$ (31.16)	\$0.00	\$0.00	\$0.00	\$ (31.16)
TURRI'S ITALIAN FOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TURRI'S ITALIAN FOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U-METCO, INC.	\$576.52	\$576.52	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$47,411.68	\$47,411.68	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$2,750.87	\$2,750.87	\$0.00	\$0.00	\$0.00
UNIQUE LINEN SERVICES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNITED FISH DISTRIBUTORS	\$1.81	\$1.81	\$0.00	\$0.00	\$0.00
UNITED LINEN SERVICE, LLC.	\$195.60	\$195.60	\$0.00	\$0.00	\$0.00
UNITED MEAT & DELI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
URBANREST BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
US ECOLOGY MICHIGAN	\$481.70	\$481.70	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/22

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
US ECOLOGY ROMULUS, INC.	\$3,428.10	\$3,428.10	\$0.00	\$0.00	\$0.00
USHER OIL SERVICES	\$1,117.31	\$1,117.31	\$0.00	\$0.00	\$0.00
VALICOR ENVIROMENTAL SERVICE	\$644.93	\$644.93	\$0.00	\$0.00	\$0.00
VAUGHAN INDUSTRIES, INC.	\$23.64	\$23.64	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS	\$7,831.43	\$7,831.43	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS, INC.	\$5,039.83	\$5,039.83	\$0.00	\$0.00	\$0.00
VERNOR FOOD PRODUCTS	\$26.65	\$26.65	\$0.00	\$0.00	\$0.00
WIGLEY'S MEAT PROCESS	\$375.87	\$375.87	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$1,410.61	\$1,410.61	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$311.74	\$311.74	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO	\$1,735.79	\$1,735.79	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO.	\$2,288.37	\$2,288.37	\$0.00	\$0.00	\$0.00
WOODWARD AVENUE BREWERS	\$144.24	\$0.00	\$0.00	\$0.00	\$144.24
TOTAL POLLUTANT SURCHARGE ACCOUNTS	\$602,197.36	\$595,056.34	\$3,048.14	\$1,514.27	\$2,578.61

City of Highland Park Billings and Collections

	<u>Water</u>	<u>Sewer</u>	<u>IWC</u>	<u>Cumulative Total</u>
June 30, 2012 Balance	\$ -	\$ 10,207,956	\$ 852,987	\$ 11,060,943
FY 2013 Billings	485,887	4,987,635	154,444	5,627,966
FY 2013 Payments	<u>(65,652)</u>	<u>(2,206,211)</u>	<u>-</u>	<u>(2,271,863)</u>
				-
June 30, 2013 Balance	\$ 420,235	\$ 12,989,380	\$ 1,007,431	\$ 14,417,046
FY 2014 Billings	1,004,357	6,980,442	161,951	8,146,750
FY 2014 Payments	<u>-</u>	<u>(1,612,633)</u>	<u>-</u>	<u>(1,612,633)</u>
				-
June 30, 2014 Balance	\$ 1,424,592	\$ 18,357,189	\$ 1,169,382	\$ 20,951,163
FY 2015 Billings	1,008,032	5,553,123	165,739	6,726,894
FY 2015 Payments	<u>-</u>	<u>(1,444,623)</u>	<u>-</u>	<u>(1,444,623)</u>
				-
June 30, 2015 Balance	\$ 2,432,625	\$ 22,465,689	\$ 1,335,121	\$ 26,233,435
FY 2016 Billings	1,157,178	5,612,167	106,431	6,875,776
FY 2016 Payments	<u>-</u>	<u>(2,022,335)</u>	<u>-</u>	<u>(2,022,335)</u>
				-
June 30, 2016 Balance	\$ 3,589,803	\$ 26,055,521	\$ 1,441,551	\$ 31,086,875
FY 2017 Billings	1,245,267	5,802,000	101,999	7,149,265
FY 2017 Payments	<u>-</u>	<u>(2,309,186)</u>	<u>-</u>	<u>(2,309,186)</u>
				-
June 30, 2017 Balance	\$ 4,835,070	\$ 29,548,335	\$ 1,543,550	\$ 35,926,954
FY 2018 Billings	1,277,179	5,657,101	80,472	7,014,752
FY 2018 Payments	<u>-</u>	<u>(4,108,108)</u>	<u>-</u>	<u>(4,108,108)</u>
				-
June 30, 2018 Balance	\$ 6,112,248	\$ 31,097,327	\$ 1,624,022	\$ 38,833,597
FY 2019 Billings	1,238,797	5,617,100	51,220	6,907,117
FY 2019 Payments	<u>-</u>	<u>(5,241,583)</u>	<u>-</u>	<u>(5,241,583)</u>
				-
June 30, 2019 Balance	\$ 7,351,045	\$ 31,472,844	\$ 1,675,243	\$ 40,499,132
FY 2020 Billings	1,182,639	5,665,400	47,097	6,895,136
FY 2020 Payments	<u>-</u>	<u>(3,026,117)</u>	<u>-</u>	<u>(3,026,117)</u>
				-
June 30, 2020 Balance	\$ 8,533,684	\$ 34,112,127	\$ 1,722,340	\$ 44,368,151
FY 2021 Billings	1,185,506	5,702,000	47,423	6,934,929
FY 2021 Payments	<u>-</u>	<u>(2,783,552)</u>	<u>-</u>	<u>(2,783,552)</u>
				-
June 30, 2021 Balance	\$ 9,719,190	\$ 37,030,575	\$ 1,769,763	\$ 48,519,528
FY 2022 Billings (12 Months)	1,222,260	5,389,300	48,322	6,659,882
FY 2022 Payments (12 Months)	<u>-</u>	<u>(1,788,828)</u>	<u>-</u>	<u>(1,788,828)</u>
				-
Balance as of June 30, 2022	<u>\$ 10,941,450</u>	<u>\$ 40,631,047</u>	<u>\$ 1,818,085</u>	<u>\$ 53,390,582</u>