

GLWA

Great Lakes Water Authority



Monthly Financial Report Binder

August 2020

**Presented to the
Great Lakes Water Authority
Audit Committee on November 20, 2020**

TABLE OF CONTENTS

Executive Summary Dashboard	1
Budget to Actual Analysis.....	3
Basic Financial Statements	10
Financial Activity Charts.....	18
Financial Operations Key Performance Indicator.....	21
Budget to Financial Statements Crosswalk.....	22
Construction Work in Progress Summary	26
Master Bond Ordinance Transfers	29
Cash and Investment.....	35
Retail Revenues, Receivables, & Collections	39
Wholesale Billings, Receivables, & Collections.....	44
Trust Receipts and Disbursements	50
Appendix	
Aged Accounts Receivable Report.....	A-1
Highland Park Life-to-Date Billings & Collections	B-1



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)

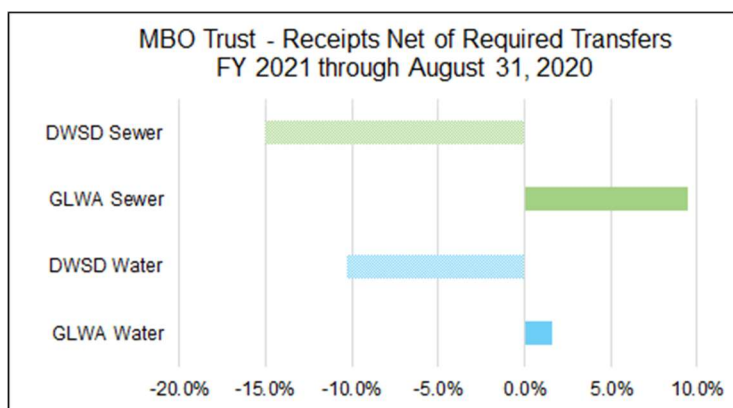
Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Budget amendments are prepared and presented quarterly based on most current information.

As of August 31, 2020				
Metric	FY 2021 Budget	FY 2021 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$61.0	\$64.8	6%	45
Wholesale Water Billed Usage (mcf)	3,130,000	3,485,000	11%	
Wholesale Sewer Billed Revenue (\$M)	\$44.6	\$44.6	0%	47
Wholesale Water Operations & Maintenance (\$M)	\$22.9	\$21.6	-5%	6
Wholesale Sewer Operations & Maintenance (\$M)	\$30.8	\$27.3	-11%	
Investment Income (\$M)	\$1.7	\$1.6	-8%	35
Water Prorated Capital Spend w/SRA* (\$M)	\$18.0	\$17.0	-6%	27
Sewer Prorated Capital Spend w/SRA* (\$M)	\$14.0	\$10.0	-29%	28

*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 50)

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 to date – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water and Sewer net receipt shortfalls are \$1.7 million and \$6.5 million



respectively through August 2020 attributed to the impact of the COVID-19 pandemic. GLWA and DWSD staff meet regularly to discuss steps to mitigate this shortfall as outlined in the 2018 MOU. Looking ahead, DWSD Management a) expects a material distribution of state of Michigan CARES Act funding to support these past due balances; b) will be implementing tax liens on commercial and industrial properties; c) anticipates a positive operating budget variance.

The current DWSD loan receivable balance for fiscal years 2017 and 2018 is \$23.5 million. Monthly payments to GLWA continue to be made timely and in accordance with the agreed upon amortization schedule.

Budget to Actual Analysis (page 3)

- FY 2021 information reflects the budget as it was approved by the GLWA Board on March 11, 2020. The first quarter budget amendments that were approved by the GLWA Board on October 28, 2020 will be shown in the September 2020 Budget to Actual report.
- The total Revenue Requirements are on target through August 2020.
- The total Operations & Maintenance expenses are at 15.2% of budget through August 2020 which is reasonably within the pro-rata benchmark of 16.7%.

Basic Financial Statements (page 10)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for August 2020 is \$26.4 million for the Water fund (38.4% of total revenues) and \$25.8 million for the Sewer fund (32.8% of total revenues).
- Water Net Position increased \$6.1 million and Sewer Net Position increased \$4.1 million for the year to date through August 2020.

Construction Work in Progress Summary (page 26)

- Both the Water and Wastewater systems fall within the 75% Capital Spend Ratio.

Master Bond Ordinance Transfers (page 29)

- Transfers of \$12.7 million and \$17.6 million were completed for the GLWA Water and Sewer funds, respectively.
- Transfers of \$4.5 million and \$8.2 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 35)

- Total cash & investments are \$473 million in the Water fund and \$431 million in the Sewer fund.
- The total combined investment income for FY 2021 through August was \$1.6 million.

DWSD Retail Revenues, Receivables & Collections (page 39)

- Water usage through August 31, 2020 is at 96.11% of budget and revenues at 95.97% of budget.
- Sewer usage through August 31, 2020 is at 97.57% of budget and revenues at 99.71% of budget.
- Combined accounts receivable balances for the water and sewer funds report an increase of \$34 million over the prior year.
- Past dues over 180 days make up 63.9% of the total accounts receivable balance. The current bad debt allowance covers 100% of past dues over 180 days.

GLWA Wholesale Billing, Receivables & Collections (page 44)

- GLWA accounts receivable past due balances in total (net of Highland Park) are less than one percent of the total balance due.
- The Highland Park past due balance is \$44.0 million, includes \$33.6 million for wastewater treatment services, \$1.7 million for industrial waste control services, and \$8.7 million for water supply services. Looking ahead, Highland Park has made three payments totaling \$1.8 million in FY 2021 as of September 2020.

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 2021 information presented in these sections reflects the budget as it was approved by the GLWA Board on March 11, 2020. The first quarter budget amendments, approved by the GLWA Board on October 28, 2020, are not reflected in this report. The budget amendment will be shown in the September 2020 Budget to Actual Analysis report.

The FY 2020 columns of the tables in the Budget to Actual Analysis report are presented in a draft format. Any adjustments related to the fiscal year end 2020 audit will affect the data presented.

Revenue Requirement Budget Basis Analysis

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 August 2020, the pro-rata benchmark is 16.7% (2 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 2021 revenues are either at or 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 August 31, 2020 these payments total \$1.1 million for FY 2021.

2. **Investment Earnings:** Investment earnings for *both* systems have variances from the pro-rata benchmark for FY 2021. The *water* system is above the pro-rata benchmark for FY 2021 at 19.5%. The *sewer* system, at 11.5%, is less than the pro-rata benchmark. The market adjustment, previously reported in this section in FY 2020, has been removed. These annual entries are recorded for financial reporting purposes and are not a part of the revenue requirements reporting. 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 slightly under the pro-rata benchmark for FY 2021 at 15.7%. The *sewer* system O&M expenses, at 14.8%, is less than the pro-rata benchmark.
5. **Debt Service:** *Both* systems are on target with the pro-rata benchmark for FY 2021; the *water* system is at 16.0%; while the *sewer* system is at 16.1%. 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 is required by the Master Bond Ordinance (“MBO”) to maintain at least 60 days of budgeted O&M expenditures in the O&M fund. GLWA has established a target balance in the O&M Fund of 120 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, it is expected that additional transfers to this reserve will not be required in FY 2021. The approved FY 2021 first quarter budget amendment removes the budgeted amount of \$877 thousand for the *water* system for this line item.
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 2020, DWSD *sewer* ended the year with a budgetary shortfall through June 30, 2020, of \$10.8 million. The DWSD *water* system experienced a \$937 thousand budgetary shortfall through June 30, 2020. For FY 2021, the DWSD *water* system has a budgetary shortfall of \$1.7 million and the DWSD *sewer* system has a budgetary shortfall of \$6.5 million through August 31, 2020. GLWA and DWSD staff are meeting regularly to discuss steps to mitigate this shortfall as outlined in the 2018 MOU.

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.

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 System. Final, yearend transfers are held until yearend balancing is complete. The final, budgeted I&E transfers for FY 2020 were completed in August 2020.
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.

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

	FY2020 AMENDED BUDGET	FY 2020 THRU 8/31/2019	Percent Year-to- Date	FY 2021 BOARD ADOPTED BUDGET	FY 2021 AMENDED BUDGET	FY 2021 THRU 8/31/2020	Percent Year-to- Date
Water System							
Revenues							
Suburban Wholesale Customer Charges	\$ 304,634	\$ 59,653	19.6%	\$ 314,252	\$ 314,252	\$ 63,749	20.3%
Retail Service Charges	21,296	3,549	16.7%	22,555	22,555	3,707	16.4%
Investment Earnings	8,084	1,638	20.3%	4,834	4,834	940	19.5%
Other Revenues	2	-	0.0%	-	-	3	0.0%
Total Revenues	\$ 334,016	\$ 64,841	19.4%	\$ 341,642	\$ 341,642	\$ 68,399	20.0%
Revenue Requirements							
Operations & Maintenance Expense	\$ 126,840	\$ 22,058	17.4%	\$ 137,127	\$ 137,127	\$ 21,566	15.7%
General Retirement System Legacy Pension	6,048	1,008	16.7%	6,048	6,048	1,008	16.7%
Debt Service	135,999	19,214	14.1%	143,190	143,190	22,957	16.0%
General Retirement System Accelerated Pension	6,268	1,045	16.7%	6,268	6,268	1,045	16.7%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	1,698	283	16.7%	1,669	1,669	276	16.5%
Lease Payment	22,500	3,750	16.7%	22,500	22,500	3,750	16.7%
Operating Reserve Deposit	3,976	-	0.0%	877	877	-	0.0%
DWSD Budget Shortfall/(Surplus) Pending Improvement & Extension Fund Transfer Pending	1,230	(353)	-28.7%	-	-	1,715	0.0%
	29,456	4,909	16.7%	23,963	23,963	3,994	16.7%
Total Revenue Requirements	\$ 334,016	\$ 51,914	15.5%	\$ 341,642	\$ 341,642	\$ 56,311	16.5%
Net Difference		\$ 12,927				\$ 12,088	
<i>Recap of Net Positive Variance</i>							
Revenue Variance		\$ 9,172				\$ 11,459	
Revenue Requirement Variance		3,756				630	
Overall Variance		\$ 12,927				\$ 12,088	

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

	FY 2020 AMENDED BUDGET	FY 2020 THRU 8/31/2019	Percent Year-to- Date	FY 2021 BOARD ADOPTED BUDGET	FY 2021 AMENDED BUDGET	FY 2021 THRU 8/31/2020	Percent Year-to- Date
Sewer System							
Revenues							
Suburban Wholesale Customer Charges	\$ 272,324	\$ 45,765	16.8%	\$ 277,012	\$ 277,012	\$ 44,770	16.2%
Retail Service Charges	185,807	30,968	16.7%	190,112	190,112	31,506	16.6%
Industrial Waste Control Charges	7,834	1,386	17.7%	8,775	8,775	1,310	14.9%
Pollutant Surcharges	5,910	936	15.8%	5,263	5,263	866	16.5%
Investment Earnings	7,731	1,360	17.6%	5,589	5,589	644	11.5%
Other Revenues	400	77	19.3%	-	-	114	0.0%
Total Revenues	\$ 480,005	\$ 80,492	16.8%	\$ 486,751	\$ 486,751	\$ 79,209	16.3%
Revenue Requirements							
Operations & Maintenance Expense	\$ 181,926	\$ 27,198	15.0%	\$ 184,946	\$ 184,946	\$ 27,299	14.8%
General Retirement System Legacy Pension	10,824	1,804	16.7%	10,824	10,824	1,804	16.7%
Debt Service	214,691	32,779	15.3%	209,740	209,740	33,873	16.1%
General Retirement System Accelerated Pension	11,621	1,937	16.7%	11,621	11,621	1,937	16.7%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	2,403	401	16.7%	2,415	2,415	400	16.6%
Lease Payment	27,500	4,583	16.7%	27,500	27,500	4,583	16.7%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall/(Surplus) Pending Improvement & Extension Fund Transfer Pending	10,244	4,140	40.4%	-	-	6,513	0.0%
	20,798	3,466	16.7%	39,706	39,706	6,618	16.7%
Total Revenue Requirements	\$ 480,005	\$ 76,308	15.9%	\$ 486,751	\$ 486,751	\$ 83,027	17.1%
Net Difference		\$ 4,184				\$ (3,818)	
<i>Recap of Net Positive Variance</i>							
Revenue Variance		\$ 491				\$ (1,916)	
Revenue Requirement Variance		3,693				(1,902)	
Overall Variance		\$ 4,184				\$ (3,818)	

Operations & Maintenance Budget – Major Budget Categories

The year-over-year benchmark ratio as of August 31, 2020, is 16.7% (two months). When comparing FY 2021 to FY 2020 in **Table 2 – Operations & Maintenance Budget – Major Budget Categories**, it appears that overall spending is consistent.

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 2020 AMENDED BUDGET	FY 2020 ACTIVITY THRU 8/31/2019	Percent Year-to- Date	FY 2021 BOARD ADOPTED BUDGET	FY 2021 AMENDED BUDGET	FY 2021 ACTIVITY THRU 8/31/2020	Percent Year-to- Date
Water	\$ 66,021	11,248	17.0%	\$ 71,966	\$ 71,966	\$ 12,498	17.4%
Sewer	115,985	17,892	15.4%	115,677	115,677	16,942	14.6%
Centralized	97,732	15,748	16.1%	102,722	102,722	15,354	14.9%
Administrative	29,028	4,211	14.5%	31,709	31,709	4,321	13.6%
Employee Benefits	-	157	0.0%	-	-	(249)	0.0%
Total O&M Budget	\$ 308,767	\$ 49,256	16.0%	\$ 322,075	\$ 322,075	\$ 48,866	15.2%

Totals may be off due to rounding

Alignment of Operations & Maintenance Budget Priorities – Expense Variance Analysis

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 O&M expenses are at 15.2% which is reasonably within the pro-rata benchmark of 16.7%. This positive variance equates to a dollar amount of \$4.8 million. The expense category commentary is provided below for items highlighted on Table 3.

Personnel Costs: The overall category is on target with the pro-rata benchmark; coming in at 15.6% through August 2020.

Utilities: The overall category is higher than the pro-rata benchmark; coming in at 18.2% through August 2020. Variances within this category, when they occur, are not unexpected as usage varies throughout the year.

- **Electric** is higher than the benchmark, coming in at 20.7%. The first three months of GLWAS'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 8.1% which is lower than the benchmark of 16.7%. A review of the accounts has confirmed that the usage is variable throughout the year.
- **Sewage service** is lower than the benchmark, coming in at 14.3%. A review of this category is being conducted.
- **Water service** is lower than the benchmark, coming in at 12.2%. While usage does vary throughout the year, a review of the accounts has shown that the water service bills are coming in lower for Wastewater Operations. Utilization of the new chemical building has required changes to the operational processes which has resulted in the reduction of the use of potable water.

Chemicals: This category is higher than the pro-rate benchmark; coming in at 20.0% through August 2020. Variances within this category are not unexpected as usage varies throughout the year. While this category is being reviewed, this variance is not a concern at this time.

Supplies & Other: This category is lower than the benchmark; coming in at 11.0% through August 2020. Given that the nature of the items in this category are subject to one-time expenses that do not occur evenly throughout the year, this variance is not a concern at this time. A review of this category is being conducted.

Contractual Services: The overall category is lower than the pro-rata benchmark; coming in at 15.5% through August 2020. 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). Budget amendments will be processed for those projects in which the actual start dates have been delayed from that in which they were budgeted.

Capital Program Allocation: This category is slightly lower than the benchmark; coming in at 13.3% through August 2020. 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 higher than the benchmark; coming in at 21.9% through August 2020. 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 2021. A budget amendment will be entered to adjust the shared services budget to this revised FY 2021 forecast. 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 2020 AMENDED BUDGET	FY 2020 ACTIVITY THRU 8/31/2019	Percent Year-to-Date at 8/31/2019	FY 2020 ACTIVITY THRU 6/30/2020	Percent Year-to-Date at 6/30/2020	FY 2021 AMENDED BUDGET	FY 2021 PRORATED BUDGET (2 MONTHS)	FY 2021 ACTIVITY THRU 8/31/2021	Percent Year-to-Date	PRORATED BUDGET LESS FY 2021 ACTIVITY
Entity-wide										
Salaries & Wages	\$ 64,703	\$ 10,809	16.7%	\$ 64,190	16.8%	\$ 70,761	\$ 11,793	\$ 10,853	15.3%	\$ 940
Workforce Development	1,271	148	11.6%	1,252	11.8%	948	158	147	15.5%	11
Overtime	7,191	1,257	17.5%	7,494	16.8%	6,988	1,165	1,292	18.5%	(127)
Employee Benefits	22,466	4,251	18.9%	25,001	17.0%	24,475	4,079	4,278	17.5%	(199)
Transition Services	5,872	822	14.0%	6,330	13.0%	7,160	1,193	877	12.3%	316
Employee Benefits Fund	-	157	0.0%	-	0.0%	-	-	(249)	0.0%	249
Personnel Costs	101,503	17,444	17.2%	104,266	16.7%	110,333	18,389	17,199	15.6%	1,190
Electric	39,549	8,287	21.0%	40,669	20.4%	39,240	6,540	8,105	20.7%	(1,565)
Gas	5,332	623	11.7%	5,196	12.0%	6,629	1,105	537	8.1%	568
Sewage Service	1,988	337	17.0%	2,109	16.0%	2,120	353	302	14.3%	51
Water Service	3,662	547	14.9%	3,178	17.2%	3,948	658	484	12.2%	174
Utilities	50,531	9,794	19.4%	51,153	19.1%	51,937	8,656	9,429	18.2%	(772)
Chemicals	14,019	2,544	18.2%	14,242	17.9%	13,420	2,237	2,678	20.0%	(441)
Supplies & Other	34,124	5,406	15.8%	33,653	16.1%	38,622	6,437	4,262	11.0%	2,175
Contractual Services	103,975	15,471	14.9%	106,372	14.5%	106,155	17,692	16,504	15.5%	1,189
Capital Program Allocation	(3,122)	(488)	15.6%	(3,347)	14.6%	(3,448)	(575)	(458)	13.3%	(117)
Shared Services	(4,995)	(914)	18.3%	(1,734)	52.7%	(3,413)	(569)	(747)	21.9%	179
Unallocated Reserves	12,731		0.0%		0.0%	8,469	1,411		0.0%	1,411
Total Expenses	\$ 308,767	\$ 49,256	16.0%	\$ 304,605	16.2%	\$ 322,075	\$ 53,679	\$ 48,866	15.2%	\$ 4,814
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 Bond Fund*, and *Capital Asset Fund*.

The June 2020 comparative values shown in the tables below are presented in a draft format. Adjustments related to fiscal year end 2020 audit affect the basic financial statements. The results of these adjustments will be presented in the audited CAFR.

Statement of Net Position – All Funds Combined

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

**Table 1 – Statement of Net Position - All Funds Combined
As of August 31, 2020
(\$000)**

	Water	Sewage Disposal	Total Business-type Activities	Comparative June 30, 2020
Assets				
Cash - unrestricted (a)	\$ 103,222	\$ 142,470	\$ 245,693	\$ 208,357
Cash - restricted (a)	31,546	42,505	74,051	114,415
Investments - unrestricted (a)	279,166	152,179	431,345	473,549
Investments - restricted (a)	44,465	105,855	150,320	157,786
Accounts Receivable	109,408	78,107	187,514	193,719
Due from (to) Other Funds (b)	9,154	(9,154)	-	-
Other Assets (c)	676,200	434,988	1,111,188	1,114,230
Cash Held FBO DWSD Advance (d)	-	16,708	16,708	-
Capital Assets, net of Depreciation	1,369,590	2,273,824	3,643,414	3,689,047
Land	292,799	123,846	416,645	416,645
Construction Work in Process (e)	143,964	187,136	331,100	303,220
Total assets	3,059,513	3,548,465	6,607,978	6,670,969
Deferred Outflows (f)	62,217	153,051	215,268	217,097
Liabilities				
Liabilities - Short-Term (g)	135,908	150,074	285,982	305,598
Due to (from) Other Funds (b)	-	-	-	-
Other Liabilities (h)	2,728	6,464	9,191	9,179
Cash Held FBO DWSD (d)	(468)	-	(468)	1,250
Liabilities - Long-Term (i)	3,018,170	3,613,094	6,631,264	6,683,741
Total liabilities	3,156,337	3,769,632	6,925,969	6,999,768
Deferred Inflows (f)	55,682	52,938	108,620	109,876
Total net position (j)	\$ (90,289)	\$ (121,054)	\$ (211,344)	\$ (221,578)

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 2030 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 book value. Investments at June 30, 2020 are reported at market value. The August 31, 2020 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

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 August 2020 Financial Report Binder. Prior year ending balances are provided in the June 30, 2020 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
For the Two Months ended August 31, 2020
(\$000)

	Water	Percent of Revenue	Sewage Disposal	Percent of Revenue	Total Business- Type Activities	Comparative June 30, 2020
Revenue						
Wholesale customer charges	\$ 64,857	94.6%	\$ 44,770	57.0%	\$ 109,627	\$ 578,705
Local system charges	3,707	5.4%	31,506	40.1%	35,213	207,103
Industrial waste charges		0.0%	1,310	1.7%	1,310	7,855
Pollutant surcharges		0.0%	866	1.1%	866	6,449
Other revenues	3	0.0%	114	0.1%	117	778
Total Revenues	68,567	100.0%	78,565	100.0%	147,132	800,889
Operating expenses						
Operations and Maintenance	21,566	31.5%	27,712	35.3%	49,279	309,482
Depreciation	20,642	30.1%	25,086	31.9%	45,728	280,104
Total operating expenses	42,208	61.6%	52,798	67.2%	95,007	589,586
Operating Income	26,359	38.4%	25,767	32.8%	52,126	211,303
Total Nonoperating (revenue) expense	20,239	29.5%	21,653	27.6%	41,892	232,056
Increase/(Decrease) in Net Position	6,120	8.9%	4,114	5.2%	10,234	(20,753)
Net Position (deficit), beginning of year	(96,410)		(123,418)		(219,828)	(200,825)
Net position (deficit), end of year	\$ (90,289)		\$ (119,304)		\$ (209,594)	\$ (221,578)
<i>Totals may be off due to rounding</i>						

Water Fund

- ✓ The increase in Water Fund Net Position is \$6.1 million.
- ✓ Wholesale water customer charges of \$64.9 million account for 94.6% of Water System revenues.
- ✓ Operating expenses of \$42.2 million represent 61.6% of total operating revenue. Depreciation is the largest operating expense at \$20.6 million or 48.9% of operating expense.
- ✓ Operating income after operating expenses (including depreciation) equals \$26.4 million or 38.4 % of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$14.0 million (this equates to the bonded debt interest expense less the offset from DWSD contractual obligation income).

Sewage Disposal Fund

- ✓ The increase in the Sewage Disposal Fund Net Position is \$4.1 million.
- ✓ Wholesale customer charges of \$44.8 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 \$31.5 million account for 40.1% of total operating revenues. These are also billed at one-twelfth of the annual revenue requirement.
- ✓ Operating expenses of \$52.8 million represent 67.2% of total operating revenue. Depreciation is the largest operating expense at \$25.1 million or 47.5% of total operating expense.
- ✓ Operating income after operating expenses (including depreciation) equals \$25.8 million or 32.8 % of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$16.3 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

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 August 2020 Financial Report Binder. Explanatory notes follow this schedule.

**Table 3 – Supplemental Schedule of Operations & Maintenance Expenses
– All Funds Combined
For the Two Months ended August 31, 2020
(\$000)**

	Water	Percent of Total	Sewage Disposal	Percent of Total	Total Business- Type Activities	Percent of Total
Operating Expenses						
Personnel						
Salaries & Wages	3,940	18.3%	7,938	28.6%	11,878	24.1%
Overtime	802	3.7%	490	1.8%	1,292	2.6%
Benefits	2,564	11.9%	1,465	5.3%	4,029	8.2%
Total Personnel	\$ 7,307	33.9%	\$ 9,893	35.7%	\$ 17,199	34.9%
Utilities						
Electric	5,567	25.8%	2,539	9.2%	8,105	16.4%
Gas	38	0.2%	499	1.8%	537	1.1%
Sewage	24	0.1%	278	1.0%	302	0.6%
Water	6	0.0%	477	1.7%	484	1.0%
Total Utilities	\$ 5,635	26.1%	\$ 3,793	13.7%	\$ 9,429	19.1%
Chemicals	1,172	5.4%	1,506	5.4%	2,678	5.4%
Supplies and other	1,458	6.8%	2,804	10.1%	4,262	8.6%
Contractual services	6,999	32.5%	9,917	35.8%	16,917	34.3%
Capital Adjustment	-	0.0%	-	0.0%	-	0.0%
Capital program allocation	(314)	-1.5%	(144)	-0.5%	(458)	-0.9%
Shared services allocation	(691)	-3.2%	(56)	-0.2%	(747)	-1.5%
Operations and Maintenance Expenses	\$ 21,566	100.0%	\$ 27,712	100.0%	\$ 49,279	100.0%

Totals may be off due to rounding

- ✓ Core expenses for water and sewage disposal systems are utilities (19.1 % of total O&M expenses) and chemicals (5.4% of total O&M expenses).
- ✓ Personnel costs (34.9% 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 (34.3%) includes:
 - Water System costs of sludge removal and disposal services at the Northeast, Southwest and Springwells Water Treatment Plants (approximately \$1.2 million);
 - Sewage Disposal System costs for the operation and maintenance of the biosolids dryer facility (approximately \$ 2.6 million); and
 - Centralized and administrative contractual costs allocated to both systems for information technology, building maintenance, field, planning and other services.

Supplemental Schedule of Nonoperating Expenses – All Funds Combined

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
For the Two Months ended August 31, 2020
(\$000)

	Water	Sewage Disposal	Total Business-type Activities	Comparative June 30, 2020
Nonoperating (Revenue)/Expense				
Interest income contractual obligation	\$ (4,411)	\$ (2,936)	\$ (7,347)	\$ (41,136)
Interest income DWSD Shortfall	-	(153)	(153)	(1,299)
Investment earnings	(958)	(666)	(1,624)	(19,445)
Unrealized (gain)/loss on investment	4,946	3,340	8,286	(5,972)
Other nonoperating revenue	0	(6)	(7)	(2,552)
Interest Expense				
Bonded debt	18,420	19,194	37,614	243,745
Lease obligation	2,890	3,532	6,422	38,808
Other obligations	794	259	1,053	6,395
Total interest expense	22,104	22,985	45,088	288,948
Other non-capital expense	-	-	-	-
Memorandum of Understanding	-	-	-	-
Capital Contribution	-	-	-	(5,960)
Amortization, issuance costs, debt	(2,609)	(1,705)	(4,314)	(10,303)
Amortization, raw water rights	594	-	594	3,567
(Gain) loss on disposal of capital assets	(1)	(9)	(10)	1,317
Loss on impairment of capital assets	-	-	-	1,432
Water Residential Assistance Program	574	802	1,376	3,315
Legacy pension expense	-	-	-	20,144
Total Nonoperating (Revenue)/Expense	\$ 20,239	\$ 21,653	\$ 41,892	\$ 232,056

- ✓ 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).

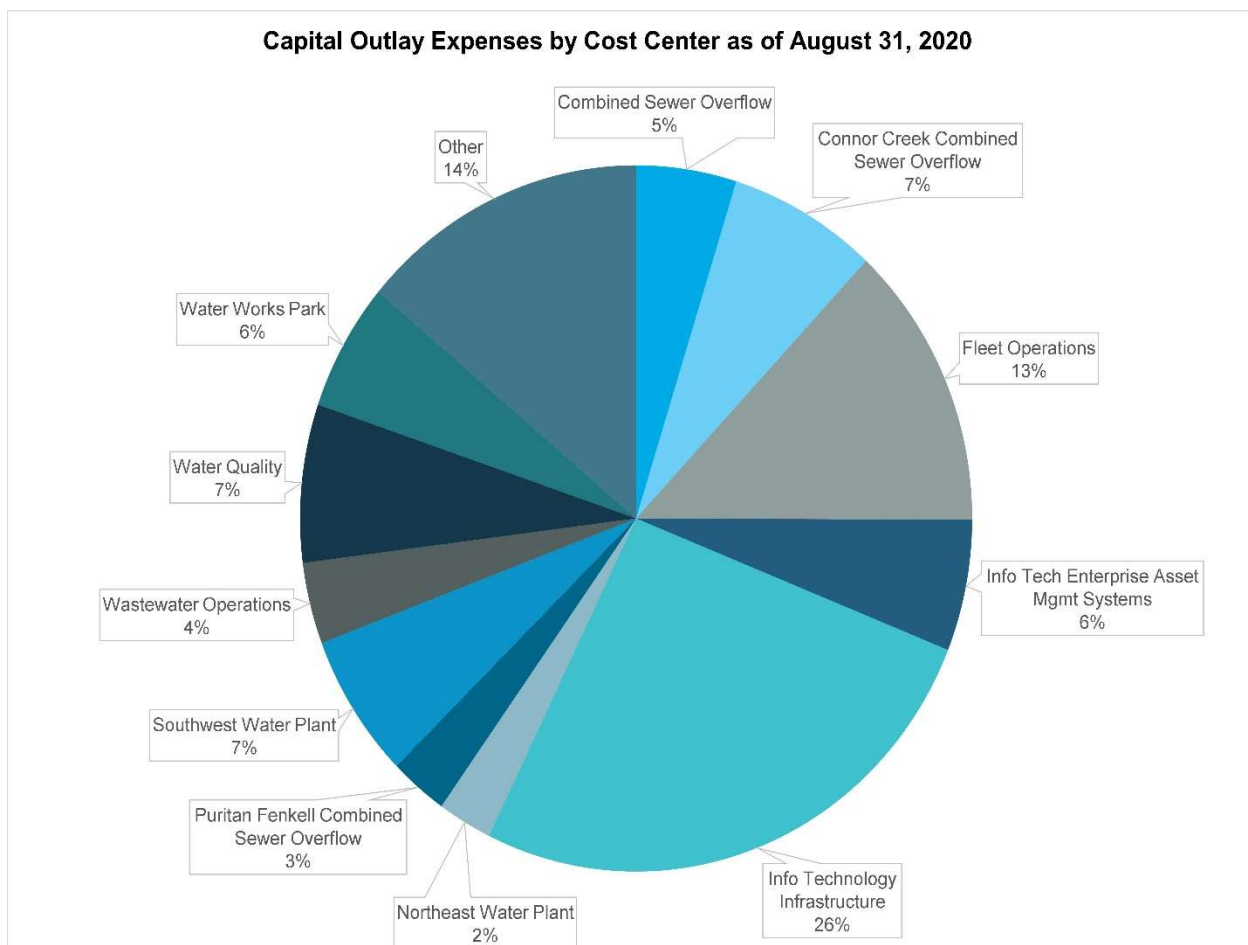
- ✓ Investment earnings in this report are reflected at book value. Any differences between the Basic Financial report and Cash and Investment section of this Financial Report binder are due to accrued interest and related market adjustments for FY 2020 and FY 2021. FY 2020 market value adjustments for Water and Sewer totaled \$4.9 million and \$3.3 million, respectively. FY 2021 market value adjustment will be made as part of audit preparation in June 2021.
- ✓ 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.

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 August 31, 2020, total capital outlay spend is \$1.9 million. Following this chart is a sample list of projects and purchases from the total spend of \$1.9 million:



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

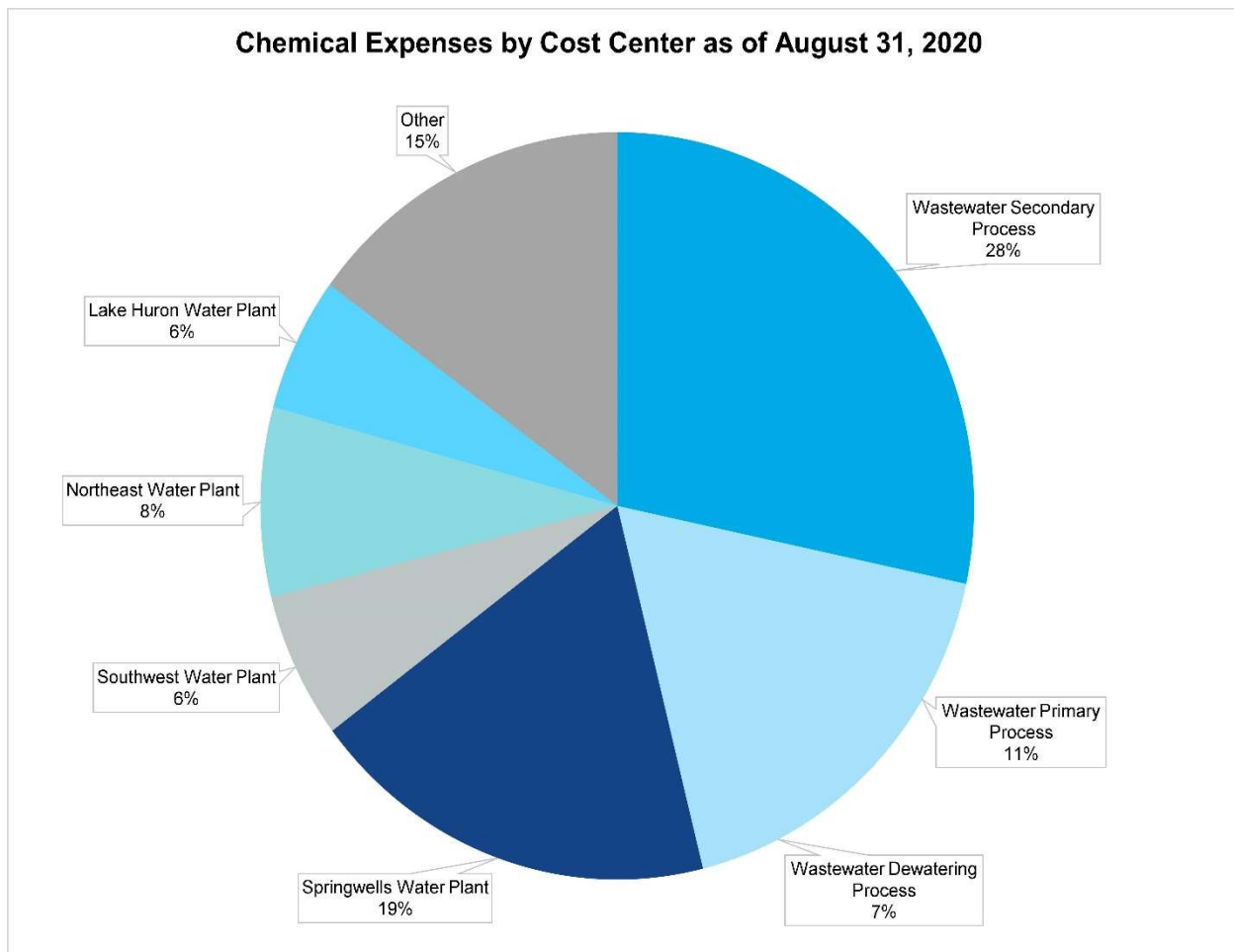
Water Operations: Generator (\$111k); Southwest Water Plant feed system (\$110k) and emergency valve closure (\$43k).

Wastewater Operations: Magnetic drive (\$129k); chemical containment improvements (\$93k); level and flow instrumentation (\$84k); Complex A Bio Solids dryer (\$67k); flow metering equipment (\$34k); and actuator (\$29k).

Centralized & Administrative Facilities: Datacenter modernization (\$327k); trucks and vehicles (\$252k); IT software (\$347k); and IT Computers (\$37k).

Chart 2 – Chemical Expenses – Water and Sewer System Combined

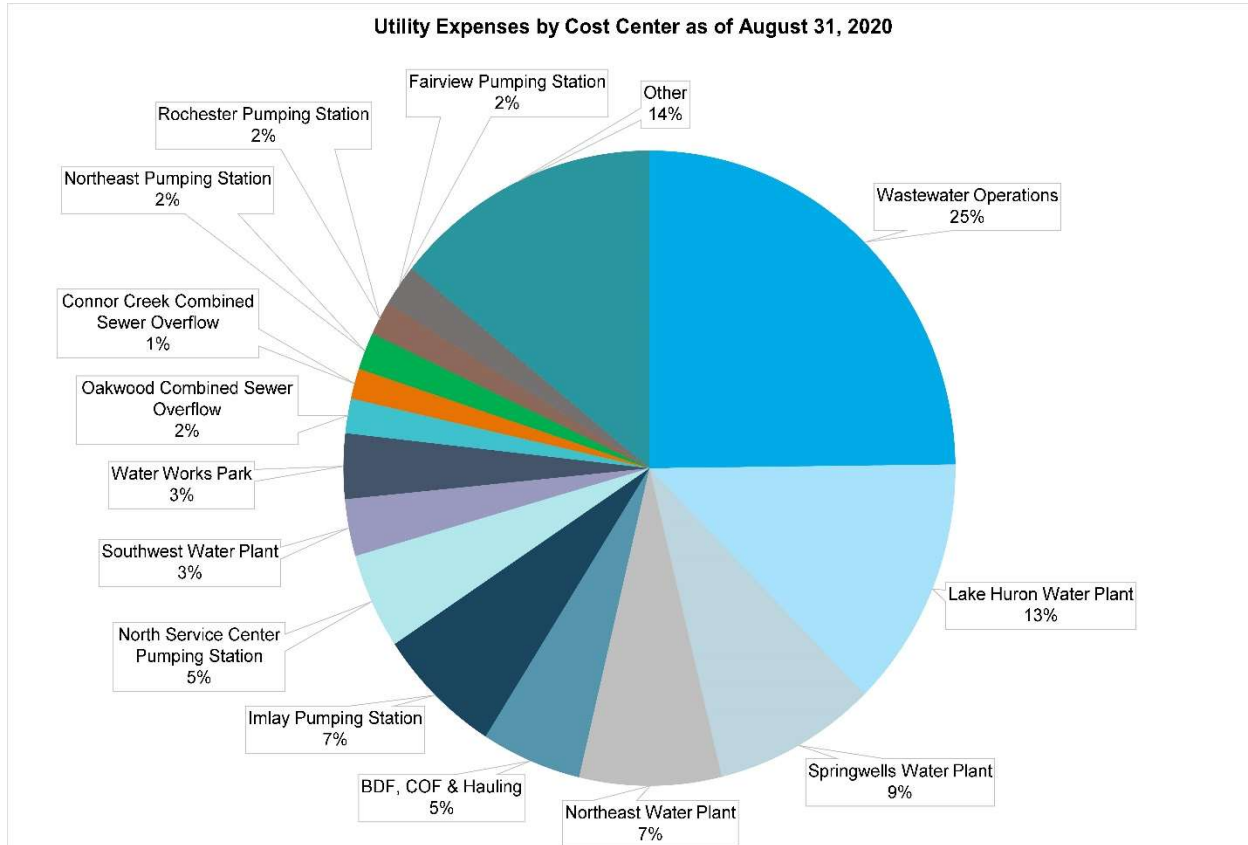
Chemical expenses are \$2.7 million through August 31, 2020. The allocation is shown in the chart below and remains consistent with prior periods.



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 \$9.4 million through August 31, 2020. 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 August 31, 2020 all reconciliations are up-to-date and complete.

There were no new accounts from July 2020.

Chart 1 – Bank Reconciliation Completion Status



Table 1 – Fiscal Year 2021 GL Cash Account Rollforward

Total GL Cash accounts as of July 1, 2020	74
New GL Cash accounts	0
Inactivated GL Cash accounts	0
Total GL Cash accounts as of August 31, 2020	<u>74</u>



The monthly Budget to Financial Statements Crosswalk includes the following.

1. Crosswalk Budget Basis to Financial Reporting Basis
2. Explanatory Notes for Crosswalk

Purpose for Crosswalk: The Great Lakes Water Authority establishes a “Revenue Requirements” budget for the purposes of establishing charges for services. The financial report is prepared in accordance with Generally Accepted Accounting Policies for enterprise funds of a local government. Because the budget and the financial statements are prepared using different basis of accounting, the crosswalk reconciles the “Net Revenue Requirement Basis” from the Budget to Actual Analysis (Table 1A and Table 1B) to the “Increase/(Decrease) in Net Position” in Table 2 of the Basic Financial Statements in the monthly Financial Report.

The Authority has a Water Master Bond Ordinance and a Sewer Master Bond Ordinance (MBO). The Ordinances provide additional security for payment of the bonds. All revenues of the system are deposited into Revenue Receipts Funds which are held in trust by a trustee. The cash is moved to multiple bank accounts monthly based on 1/12th of the budget as defined in the MBO (“the flow of funds”) for all revenue requirements except for the Debt Service monthly transfer. The Debt Service monthly requirement is computed by the trustee, U.S. Bank. The cash transfer for debt is net of investment earnings that remain in the debt service accounts to be used for debt service.

The budget is prepared on a modified cash basis. The revenue requirements are determined based upon the cash needed to meet the financial commitments as required by the Master Bond Ordinance.

- Operation & Maintenance (O&M) expenses based on an accrual basis
- O&M Legacy Pension Allocation (includes administrative fee) and Accelerated Legacy Pension Allocation (includes B&C notes obligation) based on a cash basis
- Debt Service Allocation based on a cash set aside basis to provide the cash for the debt payments on the due dates
- Lease payments based on a cash basis
- Water Residential Assistance Program based on a percentage of budgeted revenue
- Regional System Improvement & Extension Fund Allocation on a cash basis

Budget: In Table 1A and Table 1B of the Budget to Actual Analysis the ‘Revenues’ section is the accrual basis revenues that are available to meet the ‘Revenue Requirements’. The “Revenue Requirements’ section budget column indicates the annual cash transfers to be made.

Financial Reporting: The Authority's financial statements are prepared in conformity with generally accepted accounting principles (GAAP) as applied to government units. The Authority maintains its records on the accrual basis of accounting to conform to GAAP. Revenues from operations, investments and other sources are recorded when earned. Expenses (including depreciation) are recorded when incurred.

Table 1 – Crosswalk Budget Basis to Financial Reporting Basis provides a reconciliation of the "Net Difference" in Table 1A and Table 1B in the Budget to Actual Analysis report to the "Increase/(Decrease) in Net Position" in Table 2 of the Basic Financial Statements in this monthly Financial Report. Explanatory notes follow the Crosswalk shown in Table 1 below.

**Table 1 – Crosswalk Budget Basis to Financial Reporting Basis (\$000)
For the Two Months Ended August 31, 2020**

	Water	Sewer	Total
Net Revenue Requirement Budget Variance (a)	\$ 12,088	\$ (3,818)	\$ 8,270
Budgetary categories adjustments to financial reporting basis			
Pension delayed accounting election adjustments			
Current year pension transfers/payments recorded as deferral (c)	1,907	3,413	5,320
Prior year pension contribution accounted for in current year (d)	-	-	-
Administrative prepaid adjustment (e)	-	-	-
Debt service (f)	8,948	17,615	26,563
Accelerated pension B&C notes obligation portion (g)	31	69	100
Lease payment (h)	860	1,051	1,911
WRAP (i)	(298)	(402)	(700)
DWSD short term allocation (j)	1,715	6,513	8,228
Operating Reserve Deposit (j)	-	-	-
Improvement & Extension Fund (j)	3,994	6,204	10,198
Nonbudgeted financial reporting categories adjustments			
Depreciation (k)	(20,642)	(25,086)	(45,728)
Amortization (k)	2,015	1,705	3,720
Other nonoperating income (k)	-	6	6
Other nonoperating expense (k)	-	-	-
Gain(loss) on disposal of capital assets (k)	1	9	10
Raw water rights (l)	430	-	430
Investment earnings construction fund & WRAP (m)	17	22	39
Investment earnings DWSD note receivable (m)	-	153	153
Investment earnings unrealized gain/loss (m)	(4,946)	(3,340)	(8,286)
Capital contribution (n)	-	-	-
Net Position Increase/(Decrease) per Financial Statements (b)	\$ 6,120	\$ 4,114	\$ 10,234

Table 2- Explanatory Notes for Crosswalk

- (a) Source: Budget to Actual Table 1A and Table 1B in Monthly Financial Binder
- (b) Source: Basic Financial Statements Table 2 in Monthly Financial Binder
- (c) Current year pension payments are an expense for budget purposes but not for financial reporting purposes.
- (d) Prior year pension payments are accounted for in the current year financial statements.

- (e) The administrative fee is part of the O&M Legacy Pension shown as an expense for budget purposes. For financial reporting purposes part of the administrative fee is considered prepaid based on the prior year General Retirement System audit information and therefore not an expense for the current year financial reporting. The prepaid portion is adjusted in June each year.
- (f) Debt service (principal and interest payments) are shown as an expense for budget purposes. Most of the adjustment relates to principal payments which are not an expense for financial reporting purposes. A portion of the adjustment relates to interest expense variances on state revolving fund debt due to the timing of payment draws. The cash set aside basis for interest expense generally is the same as the accrual basis for financial reporting.
- (g) The accelerated pension payment includes the obligation payable for the B&C notes. The pension portion is included in item (c) above. This adjustment relates to the B&C note obligation payments. The principal and interest cash basis payments are treated as an expense for budget purposes. The principal portion is not an expense for financial reporting purposes. For financial reporting purposes interest is expensed on an accrual basis which is different from the cash basis.
- (h) The lease payment is included as an expense for budget and includes both principal and interest payments. Most of the adjustment relates to the principal payments which are not an expense for financial reporting purposes. A portion of the adjustment relates to interest expense which is recorded on an accrual basis for financial reporting which is different from the cash basis.
- (i) WRAP is shown as an expense for budget purposes. For financial reporting purposes the expense is not recognized until the funds have been transferred to the WRAP administrator. The adjustment shown is the amount of current year transfers that have not been transferred to the WRAP administrator. Note that there are funds from the prior year that have not been transferred to the WRAP administrator.
- (j) The DWSD short term allocation, Operating Reserve Deposit, and Improvement & Extension Fund transfers are shown as an expense for budget purposes but not for financial reporting purposes. For FY 2021, the Sewer Improvement and Extension Fund adjustments also reflect \$414 thousand in Sewer Improvement and Extension Fund expenses relating to repairs paid for through the Sewer Improvement and Extension Fund. These are consolidated expenses for financial reporting purposes but are not reflected in the current Operations and Maintenance budget expenses.
- (k) Certain nonoperating income and expenses are reported in financial statements only.

- (l) The water service contract with Flint includes a license for raw water rights which has been recorded as an asset and liability by the Authority. The contract provides a credit to Flint as Flint satisfies its monthly bond payment obligation to KWA. This KWA credit is treated as a noncash payment of principal and interest on the liability recorded for the raw water rights. For budget, wholesale customer charges are net of the anticipated KWA credits to Flint as that is the cash that will be received and available to meet the budgeted revenue requirements. For financial reporting basis the Flint wholesale charges are recorded at the total amount billed. When the KWA credit is issued, the receivable from Flint is reduced and the principal and interest payments on the liability for the raw water rights are recorded as a noncash transaction. Most of the adjustment shown relates to the principal reduction made for the credits applied which are not an expense for financial reporting basis.
- (m) Investment earnings from the construction fund are not shown as revenue in the budget and are shown as revenue in the financial statements. Construction fund investment earnings are excluded from the definition of revenue for budget purposes as they are used for construction costs and are not used to meet the revenue requirements in the budget. WRAP account earnings are also excluded from the definition of revenue for budget purposes and are not used to meet the revenue requirements in the budget. Interest on the DWSD note receivable is budgeted as part of the Sewer improvement and extension fund and is transferred directly to that fund as payments are made. Unrealized gains and losses are recorded annually as required for financial reporting purposes but do not reflect actual investment earnings and are not included in cash basis reporting.
- (n) The capital contribution is a one-time payment made to GLWA by the Oakland Macomb Interceptor Drainage District (OMIDD) as part of a contract amendment to the OMIDD Wastewater Disposal Services Contract.



The Monthly Construction Work in Progress (CWIP) Summary includes the following.

1. Water System Construction Work in Progress costs incurred to date
2. Sewer System Construction Work in Progress costs incurred to date

Construction Work in Progress

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 CWIP 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 2021 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.

Chart 1 – Water System Construction in Work in Progress Spend

As of August 2020, the Water system incurred over \$ 17 million of construction costs to date. This is 71% of the fiscal year 2021 prorated CIP through August and 94% of the financial plan which is labeled as the FY 2021 CIP w/SRA in the chart below.

Chart 2 – Sewer System Construction in Work in Progress Spend

As of August 2020 the Sewer system incurred nearly \$ 10 million of construction costs to date. This is 56% of the fiscal year 2021 prorated CIP through August and 71% of the financial plan which is labeled as the FY 2021 CIP w/SRA in the chart below.

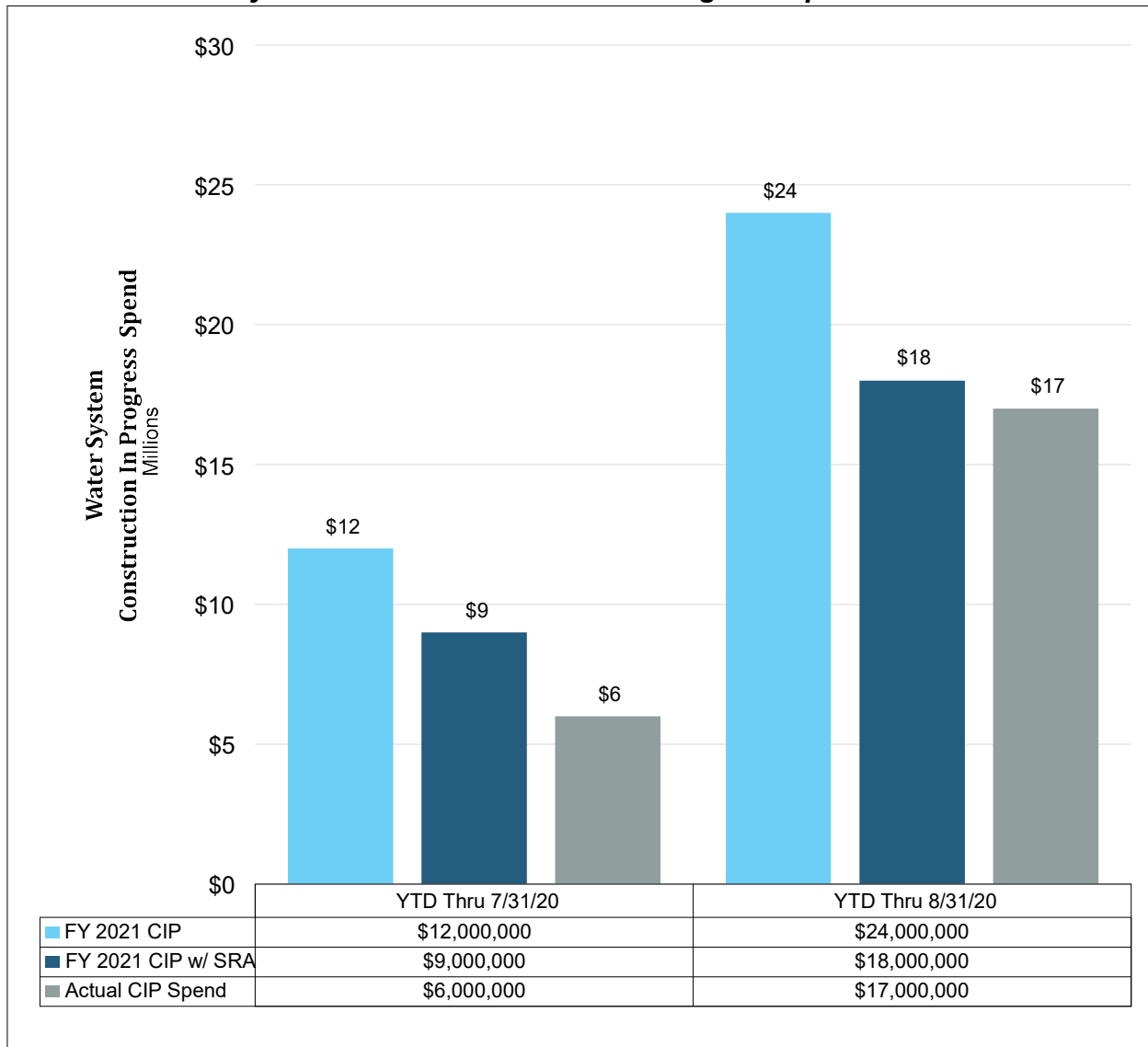
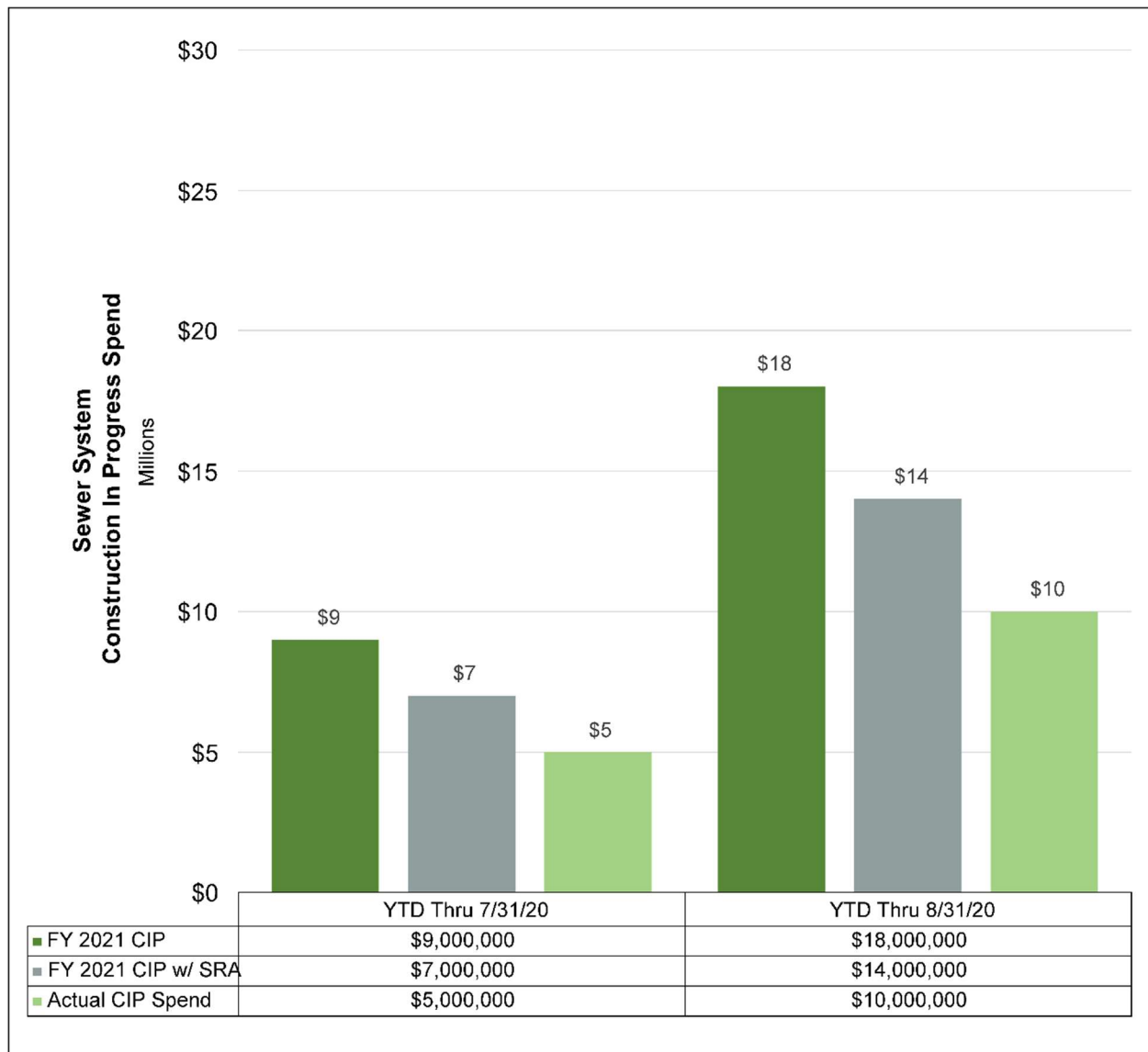
Chart 1 – Water System Construction Work in Progress Spend


Chart 2 – Sewer System Construction Work in Progress Spend




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 2021 Water MBO Transfers reflects the required transfers for FY 2021 completed through August 3, 2020. MBO transfers for water totaling \$25.5 million have been transferred to GLWA accounts.

Table 2 – GLWA FY 2021 Sewer MBO Transfers reflects the required transfers for FY 2021 completed through August 3, 2020. MBO transfers for sewer totaling \$35.3 million have been transferred to GLWA accounts.

Table 3 – GLWA MBO Transfer History reflects historical transfers for FY 2016 through FY 2021 to date.

Table 1 – GLWA FY 2021 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 2021							
July 2020	\$ 11,160,517	\$504,000	\$891,308	\$192,608	-	-	\$12,748,433
August 2020	11,160,517	504,000	891,308	192,608	-	-	12,748,433
Total FY 2021	\$ 22,321,034	\$ 1,008,000	\$ 1,782,616	\$ 385,216	\$ -	\$ -	\$ 25,496,866

Table 2 – GLWA FY 2021 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 2021							
July 2020	\$ 15,194,175	\$902,000	\$1,223,950	\$313,500	-	-	\$17,633,625
August 2020	15,194,175	902,000	1,223,950	313,500	-	-	17,633,625
Total FY 2021	\$30,388,350	\$1,804,000	\$2,447,900	\$627,000	\$ -	\$ -	\$35,267,250

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 (2 months)	22,321,034	1,008,000	1,782,616	385,216	-	-	25,496,866
Life to Date	\$575,218,046	\$31,226,300	\$54,464,091	\$10,646,920	\$2,686,900	\$606,000	\$674,848,257
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 (2 months)	30,388,350	1,804,000	2,447,900	627,000	-	-	35,267,250
Life to Date	\$871,197,342	\$55,952,800	\$74,563,009	\$14,323,896	\$8,246,100	\$779,600	\$1,025,062,747

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 2021 Water MBO Transfers reflects the required transfers for FY 2021 completed through August 3, 2020. MBO transfers for Water totaling \$9.0 million have been transferred to accounts held by DWSD. For FY 2021, DWSD has requested that \$8,278,300 of the lease payment be utilized to offset a portion of debt service.

Table 5 – DWSD FY 2021 Sewer MBO Transfers reflects the required transfers for FY 2021 completed through August 3, 2020. MBO transfers for Sewer totaling \$16.3 million have been transferred to accounts held by DWSD. For FY 2021, DWSD has requested that \$3,257,200 of the lease payment be utilized to offset a portion of debt service.

Table 6 – DWSD Water MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2021 to date.

Table 7 – DWSD Sewer MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2021 to date.

Table 4 – DWSD FY 2021 Water MBO Transfers

WATER				
	Operations & <u>Maintenance</u>	<u>Pension</u>	Lease Payment (I&E Fund)	<u>Total Water</u>
FY 2021				
July 2020	\$2,986,158	\$356,000	\$1,139,808	\$4,481,966
August 2020	2,986,158	356,000	1,139,808	4,481,966
Total FY 2021	\$5,972,316	\$712,000	\$2,279,616	\$8,963,932

Table 5 – DWSD FY 2021 Sewer MBO Transfers

SEWER				
	Operations & <u>Maintenance</u>	<u>Pension</u>	Lease Payment (I&E Fund)	<u>Total Sewer</u>
FY 2021				
July 2020	\$5,826,308	\$238,000	\$2,109,017	\$8,173,325
August 2020	5,826,308	238,000	2,109,017	8,173,325
Total FY 2021	\$11,652,616	\$476,000	\$4,218,034	\$16,346,650

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 (2 months)				
MBO/Lease Requirement	5,972,316	712,000	3,750,000	10,434,316
Offset to Debt Service	-	-	(1,470,384)	(1,470,384)
Net MBO Transfer	5,972,316	712,000	2,279,616	8,963,932
Life-to-Date				
MBO/Lease Requirement	170,960,720	22,053,100	116,250,000	309,263,820
Offsets	-	-	(13,192,484)	(13,192,484)
Total Water	170,960,720	22,053,100	103,057,516	296,071,336

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 (2 months)				
MBO/Lease Requirement	11,652,616	476,000	4,583,333	16,711,949
Offset to Debt Service	-	-	(365,299)	(365,299)
Total MBO Transfer	11,652,616	476,000	4,218,034	16,346,650
Life-to-Date				
MBO/Lease Requirement	252,591,928	14,767,800	142,083,333	409,443,061
Offsets	(7,100,000)	-	(38,971,163)	(46,071,163)
Total Sewer	245,491,928	14,767,800	103,112,170	363,371,898

* 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:

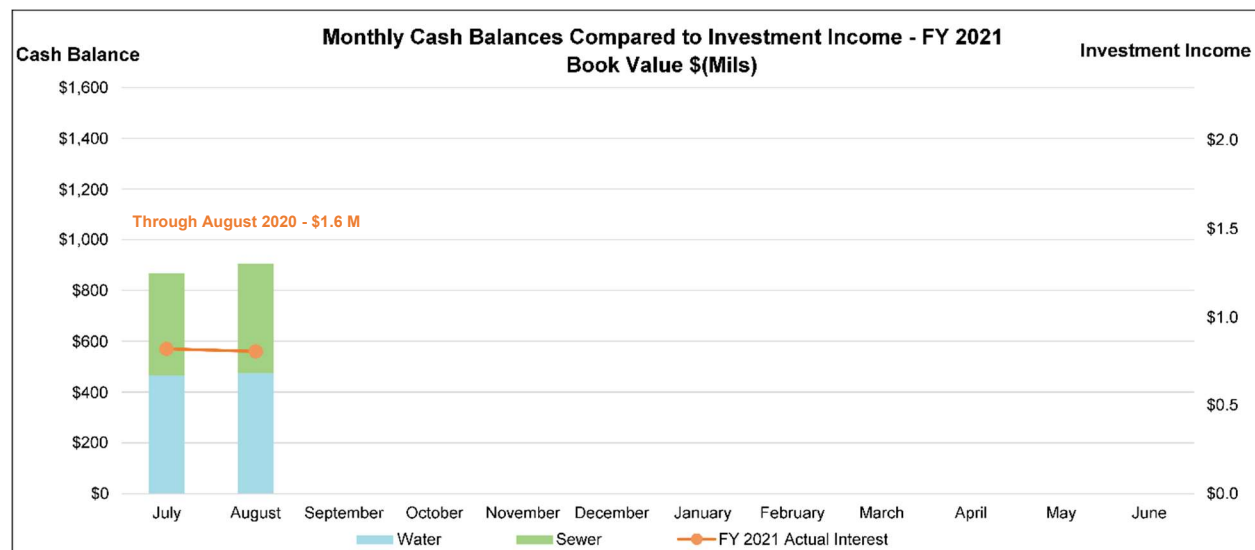
1. Monthly Cash Balances Compared to Investment Income
2. Cash Balance Detail

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. The total cumulative investment income for August 2020 is \$1.6 million. This total investment income includes earnings from revenue requirement funds as well as construction bond funds.

Chart 1 – Monthly Cash Balances Compared to Investment Income – Through August 2020



\$(Mils)	July	August	September	October	November	December	January	February	March	April	May	June
Water	\$464	\$473	-	-	-	-	-	-	-	-	-	-
Sewer	\$403	\$431	-	-	-	-	-	-	-	-	-	-
Total	\$867	\$904	-	-	-	-	-	-	-	-	-	-
Investment Income	\$0.8	\$0.8	-	-	-	-	-	-	-	-	-	-

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

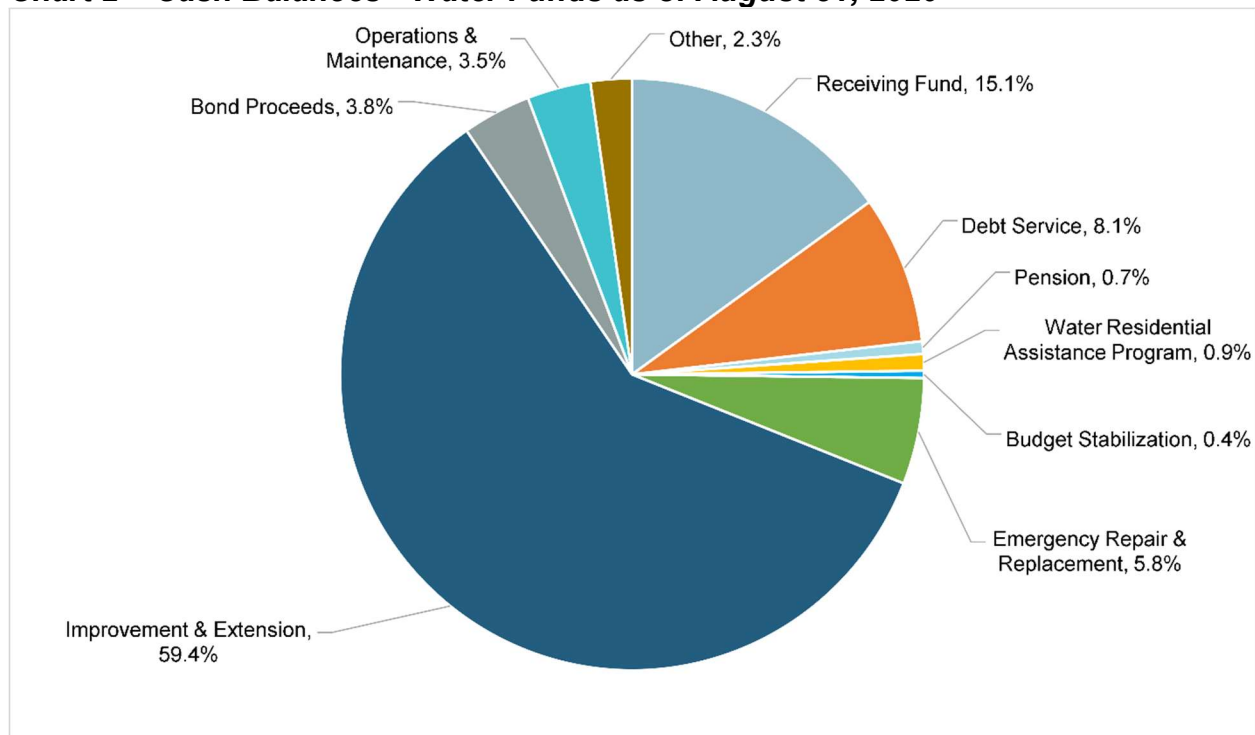
Funds Held Outside Trust:

- 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 August 31, 2020 - Shows the allocation of the balance among the different categories defined in the section above. The total cash balance for Water Funds as of August 31, 2020 is \$473 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.

Chart 2 – Cash Balances - Water Funds as of August 31, 2020

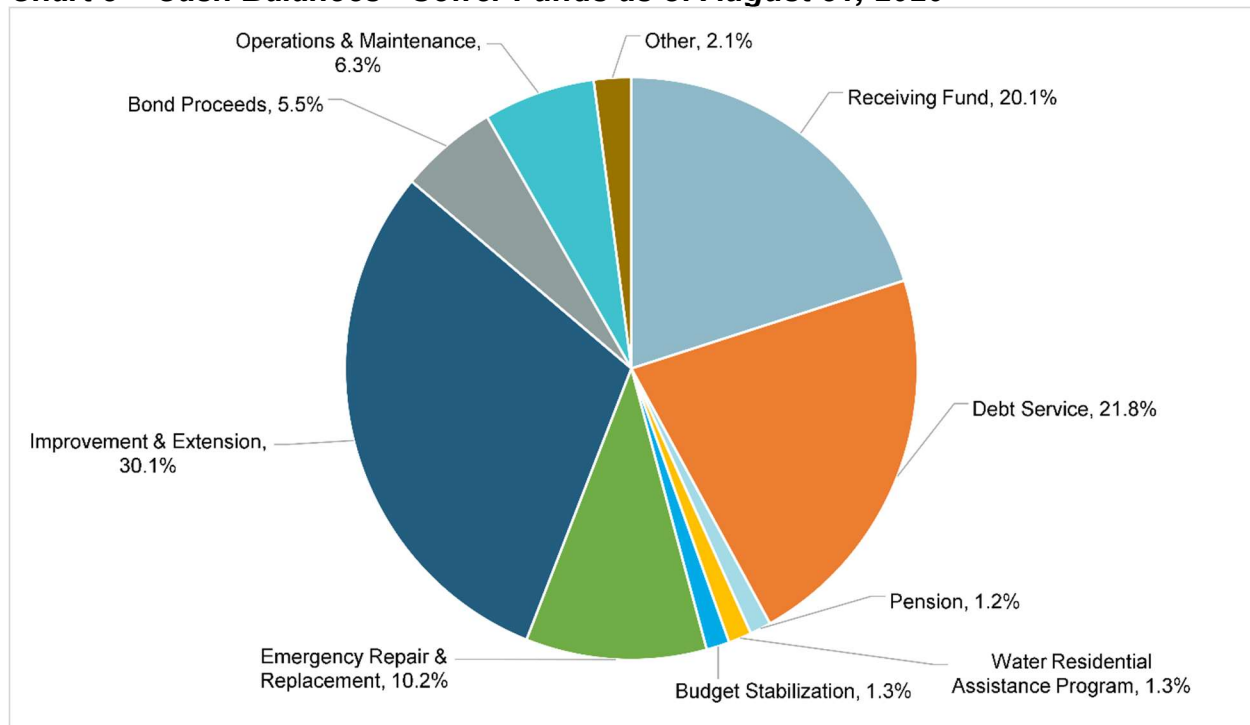


Note: Due to rounding totals may not equal 100%.

Chart 3 – Cash Balances - Sewer Funds as of August 31, 2020 - Shows the allocation of the balance among the different funds defined in the section above. The total cash balance for Sewer Funds as of August 31, 2020 is \$431 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.

The pace for Sewer I&E deposits has been less than anticipated due to a budget shortfall over multiple years by DWSD. Beginning in February 2019, DWSD began making payments which will replenish the I&E fund.

Chart 3 – Cash Balances - Sewer Funds as of August 31, 2020



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 2021 water usage and billed revenue which are provided by DWSD staff. As of August 31, 2020, the DWSD usage was at 96.11% of the budget and billed revenue was at 95.97% 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 2021 - Budget/Goal			FY 2021 - Actual			FY 2021 - Variance	
	Volume	Revenue	Unit Revenue	Volume	Revenue (2)	Unit Revenue	Volume	Revenue
	Mcf	\$	\$/Mcf	Mcf	\$	\$/Mcf	Mcf	\$
July	273,700	10,099,621	36.90	265,796	9,747,518	36.67	(7,904)	(352,103)
August	263,300	9,828,389	37.33	250,308	9,378,385	37.47	(12,992)	(450,004)
September	239,800	9,215,509	38.43					
October	228,800	8,928,629	39.02					
November	208,200	8,391,381	40.30					
December	208,900	8,409,637	40.26					
January	210,200	8,443,541	40.17					
February	214,600	8,558,293	39.88					
March	216,500	8,607,845	39.76					
April	211,700	8,482,661	40.07					
May	221,300	8,733,029	39.46					
June	261,800	9,789,269	37.39					
Total	2,758,800	107,487,800	38.96	516,104	19,125,903	37.06	(20,896)	(802,106)
Subtotals ytd	537,000	19,928,009	37.11	516,104	19,125,903	37.06	(20,896)	(802,106)
Achievement of Budget				96.11%	95.97%			

(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
September	8,610,801	9,766,449	(1,155,648)	-11.83%
October	9,619,977	9,015,400	604,577	6.71%
November	7,067,667	7,938,517	(870,850)	-10.97%
December	8,597,558	7,297,698	1,299,860	17.81%
January	9,076,091	8,158,817	917,274	11.24%
February	8,281,985	7,927,299	354,686	4.47%
March	6,948,308	8,707,578	(1,759,270)	-20.20%
April	5,956,105	8,475,657	(2,519,552)	-29.73%
May	8,109,469	8,415,767	(306,298)	-3.64%
June	7,821,791	7,554,457	267,334	3.54%
July	8,017,490	8,093,394	(75,904)	-0.94%
August	7,135,456	8,671,848	(1,536,392)	-17.72%
Rolling, 12-Month Total	95,242,698	100,022,881		
Rolling, 12-Month Average	7,936,892	8,335,240		

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 2021 sewer billed revenue which are provided by DWSD staff. As of August 31, 2020, the DWSD usage was at 97.57% of the budget and billed revenue was at 99.71% 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 2021 - Budget/Goal		FY 2021 - Actual		FY 2021 - Variance	
	Volume	Revenue	Volume	Revenue (2)	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$
July	252,700	29,612,070	252,929	29,802,377	229	190,307
August	252,900	29,624,420	240,390	29,261,344	(12,510)	(363,076)
September	219,800	27,736,625				
October	245,700	29,214,479				
November	192,400	26,173,181				
December	192,600	26,184,593				
January	195,700	26,361,479				
February	195,300	26,338,655				
March	192,100	26,279,396				
April	188,900	25,973,471				
May	195,300	26,338,655				
June	245,560	29,206,491				
Total	2,568,960	329,043,516	493,319	59,063,721	(12,281)	(172,769)
Subtotals ytd	505,600	59,236,490	493,319	59,063,721	(12,281)	(172,769)
Achievement of Budget/Goal			97.57%	99.71%		

(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
September	21,972,754	23,727,505	(1,754,751)	-7.40%
October	26,321,010	23,938,933	2,382,077	9.95%
November	17,546,180	20,624,039	(3,077,859)	-14.92%
December	25,889,823	19,612,154	6,277,669	32.01%
January	23,512,702	19,612,154	3,900,548	19.89%
February	22,682,982	20,624,039	2,058,943	9.98%
March	19,325,377	22,111,691	(2,786,314)	-12.60%
April	17,105,146	20,930,511	(3,825,365)	-18.28%
May	23,639,652	22,807,283	832,369	3.65%
June	22,558,827	20,426,151	2,132,676	10.44%
July	20,652,159	20,940,157	(287,998)	-1.38%
August	22,395,220	23,175,643	(780,423)	-3.37%
Rolling 12-Month Total	263,601,832	258,530,260		
Rolling, 12-Month Average	21,966,819	21,544,188		

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 total, current and non-current Water and Sewer receivables by category as of August 31, 2020 with comparative totals from August 31, 2019.

Table 5 – DWSD Retail Accounts Receivable Aging Report – Water & Sewer Combined

Sales Class	# of Accounts	Avg. Balance	Current	> 30 Days	> 60 Days	> 180 Days	Balance
Residential	204,241	\$ 473.56	\$ 14,671,000	\$ 7,535,000	\$ 17,130,000	\$ 57,383,000	\$ 96,719,000
			15.2%	7.8%	17.7%	59.3%	100.0%
Commercial	20,612	1,779.82	8,939,000	2,784,000	5,628,000	19,335,000	36,686,000
			24.4%	7.6%	15.3%	52.7%	100.0%
Industrial	2,141	6,020.89	3,283,000	634,000	2,343,000	6,631,000	12,891,000
			25.5%	4.9%	18.2%	51.4%	100.0%
Tax Exempt	3,448	923.86	568,000	147,000	445,000	2,025,000	3,185,000
			17.8%	4.6%	14.0%	63.6%	100.0%
Government	66,051	311.31	3,851,000	2,617,000	2,972,000	11,122,000	20,562,000
			18.7%	12.7%	14.5%	54.1%	100.0%
Drainage	33,750	860.58	2,691,000	1,355,000	3,847,000	21,152,000	29,045,000
			9.3%	4.7%	13.2%	72.8%	100.0%
Subtotal - Active Accounts	330,243	\$ 602.85	\$ 34,003,000	\$ 15,073,000	\$ 32,364,000	\$ 117,649,000	\$ 199,088,000
			17.1%	7.6%	16.3%	59.1%	100.0%
Inactive Accounts	286,760	97.21	(61,000)	68,000	439,000	27,430,000	27,877,000
			(0.2%)	0.2%	1.6%	98.4%	100.0%
Total	617,003	\$ 367.85	\$ 33,942,000	\$ 15,141,000	\$ 32,803,000	\$ 145,079,000	\$ 226,965,000
% of Total A/R			15.0%	6.7%	14.5%	63.9%	100.0%
Water Fund	220,656	193.01	\$ 7,574,000	\$ 2,995,000	\$ 5,750,000	\$ 26,271,000	\$ 42,589,000
Sewer Fund	271,978	677.91	\$ 26,368,000	\$ 12,146,000	\$ 27,054,000	\$ 118,808,000	\$ 184,376,000
Total August 31, 2020 (a)	617,003	367.85	\$ 33,942,000	\$ 15,141,000	\$ 32,803,000	\$ 145,079,000	\$ 226,965,000
Water Fund- Allowance							\$ (28,666,000)
Sewer Fund- Allowance							\$ (121,166,000)
Total Bad Debt Allowance							\$ (149,832,000)
Comparative - August 2019 (b)	597,669	322.86	\$ 35,287,000	\$ 12,996,000	\$ 31,336,000	\$ 113,345,000	\$ 192,965,000
Difference (a) - (b)	19,334	44.99	\$ (1,345,000)	\$ 2,145,000	\$ 1,467,000	\$ 31,734,000	\$ 34,000,000



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	82
Emergency	1
Older Contracts	4
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 2021 water billed usage and revenues. As of August 31, 2020, the billed usage was at 111.33% of budget and billed revenue at 106.21% of budget. Billings and usage from the City of Flint are included as they were assumed in the FY 2021 Budget.

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. The difference in rolling average from current year to prior year reflects the gentle downward trend in water usage over time.

Table 1 – FY 2020 Wholesale Water Billings Report

WHOLESALE WATER CHARGES								
Month (1)	FY 2021 - Budget/Goal			FY 2021 - Actual			FY 2021 - Variance	
	Volume	Revenue	Unit	Volume	Revenue	Unit	Volume	Revenue
	Mcf	\$	\$/Mcf	Mcf	\$	\$/Mcf	Mcf	\$
July	1,639,220	31,200,300	19.03	1,862,791	33,583,619	18.03	223,571	2,383,319
August	1,491,209	29,822,200	20.00	1,622,324	31,230,027	19.25	131,115	1,407,827
September	1,331,364	27,852,100	20.92					
October	1,033,853	25,773,900	24.93					
November	901,197	24,557,700	27.25					
December	980,114	25,189,000	25.70					
January	984,816	25,260,100	25.65					
February	883,785	24,344,600	27.55					
March	983,469	25,208,400	25.63					
April	912,079	24,593,900	26.96					
May	1,032,713	25,895,100	25.07					
June	1,379,070	29,502,100	21.39					
Total	13,552,890	319,199,400	23.55	3,485,115	64,813,646	18.60	354,686	3,791,146
Subtotals ytd	3,130,429	61,022,500	19.49	3,485,115	64,813,646	18.60	354,686	3,791,146
Achievement of Budget				111.33%	106.21%			

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

Table 2 - Wholesale Water Collections

Water				
Month	Current Year	Prior Year	Variance	Ratio
September	28,336,152	26,037,313	2,298,839	8.83%
October	25,786,774	27,827,722	(2,040,948)	-7.33%
November	29,245,969	29,238,260	7,709	0.03%
December	23,292,382	27,720,646	(4,428,264)	-15.97%
January	25,470,795	23,430,974	2,039,821	8.71%
February	24,629,768	26,147,082	(1,517,314)	-5.80%
March	25,017,989	24,967,264	50,725	0.20%
April	17,856,644	23,045,654	(5,189,010)	-22.52%
May	24,811,582	20,749,943	4,061,639	19.57%
June	27,098,783	25,676,458	1,422,325	5.54%
July	25,080,575	23,212,979	1,867,596	8.05%
August	26,241,018	28,808,254	(2,567,236)	-8.91%
Rolling 12-Month Total	302,868,431	306,862,549		
Rolling, 12-Month Average	25,239,036	25,571,879		

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	7
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 2021 sewer billed revenue. As of August 31, 2020 the billed revenue is at 100.00% of budget.

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 year-over-year rolling average from FY 2020 to FY 2021 remains consistent.

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.

Table 3 – FY 2020 Wholesale Sewer Billings Report

WHOLESALE SEWER CHARGES						
Month (1)	FY 2021 - Budget/Goal		FY 2021 - Actual		FY 2021 - Variance	
	Volume (2)	Revenue	Volume (2)	Revenue	Volume (2)	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$
July	N/A	22,323,183	N/A	22,323,183	N/A	-
August	N/A	22,323,183	N/A	22,323,183	N/A	-
September	N/A	22,323,183	N/A		N/A	
October	N/A	22,323,183	N/A		N/A	
November	N/A	22,323,183	N/A		N/A	
December	N/A	22,323,183	N/A		N/A	
January	N/A	23,005,800	N/A		N/A	
February	N/A	23,005,800	N/A		N/A	
March	N/A	23,005,800	N/A		N/A	
April	N/A	23,005,800	N/A		N/A	
May	N/A	23,005,800	N/A		N/A	
June	N/A	23,005,800	N/A		N/A	
Total		271,973,898		44,646,366		-
<i>Subtotals ytd</i>		44,646,366		44,646,366		-
<i>Achievement of Budget</i>				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
September	18,833,257	22,672,400	(3,839,143)	-16.93%
October	29,833,760	16,105,200	13,728,560	85.24%
November	19,428,000	28,633,300	(9,205,300)	-32.15%
December	19,999,642	24,440,000	(4,440,358)	-18.17%
January	17,121,812	26,874,927	(9,753,115)	-36.29%
February	23,284,737	13,895,100	9,389,637	67.58%
March	21,108,100	22,388,600	(1,280,500)	-5.72%
April	10,024,575	23,203,703	(13,179,128)	-56.80%
May	21,189,047	9,284,000	11,905,047	128.23%
June	28,598,467	32,639,436	(4,040,969)	-12.38%
July	22,297,737	27,222,400	(4,924,663)	-18.09%
September	25,354,280	35,153,500	(9,799,220)	-27.88%
Rolling 12-Month Total	257,073,414	282,512,566		
Rolling, 12-Month Average	21,422,785	23,542,714		

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 August 31, 2020, Highland Park had a delinquent balance of \$44.0 million, including \$33.6 million for wastewater treatment services, \$1.7 million for industrial waste control services, and \$8.7 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 2021 through August 31, 2020. 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
September 30, 2019 Balance	7,670,391	32,229,087	1,687,403	41,586,882
October 2019 Billing	107,422	472,500	3,933	583,855
October 2019 Payments	-	-	-	-
October 31, 2019 Balance	7,777,814	32,701,587	1,691,336	42,170,737
November 2019 Billing	101,003	472,500	3,948	577,451
November 2019 Payments	-	-	-	-
November 30, 2019 Balance	7,878,817	33,174,087	1,695,284	42,748,188
December 2019 Billing	98,501	472,500	3,845	574,846
December 2019 Payments	-	-	-	-
December 31, 2019 Balance	7,977,318	33,646,587	1,699,129	43,323,034
January 2020 Billing	85,342	472,500	3,853	561,695
January 2020 Payments	-	(1,561,812)	-	(1,561,812)
January 31, 2020 Balance	8,062,660	32,557,275	1,702,982	42,322,917
February 2020 Billing	93,589	472,500	3,892	569,981
February 2020 Payments	-	-	-	-
February 28, 2020 Balance	8,156,249	33,029,775	1,706,874	42,892,898
March 2020 Billing	92,950	472,500	3,906	569,356
March 2020 Payments	-	-	-	-
March 31, 2020 Balance	8,249,199	33,502,275	1,710,780	43,462,254
April 2020 Billing	94,738	472,500	3,905	571,143
April 2020 Payments	-	-	-	-
April 30, 2020 Balance	8,343,937	33,974,775	1,714,685	44,033,397
May 2020 Billing	92,674	472,500	3,824	568,998
May 2020 Payments	-	(807,648)	-	(807,648)
May 31, 2020 Balance	8,436,611	33,639,627	1,718,509	43,794,747
June 2020 Billing	97,073	472,500	3,831	573,404
June 2020 Payments	-	-	-	-
June 30, 2020 Balance	8,533,684	34,112,127	1,722,340	44,368,151
July 2020 Billing	100,390	472,500	3,831	576,721
July 2020 Payments	-	(926,053)	-	(926,053)
July 31, 2020 Balance	8,634,074	33,658,574	1,726,171	44,018,819
August 2020 Billing	104,325	472,500	3,835	580,660
August 2020 Payments	-	(560,097)	-	(560,097)
August 31, 2020 Balance	8,738,399	33,570,977	1,730,006	44,039,382

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 August 31, 2020.

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. The water past due balance is related to a missed invoice by a member partner. The small sewer past due balance of \$108 relates to incorrect payment amounts. The water past due invoice was sent to member partner and we are still awaiting payment on the small sewer balance outstanding.

The IWC past dues relate mainly to member partners transitioning to the emailing of invoices and anticipate those past dues will be resolved soon. One past due Pollutant Surcharge customer accounts for \$90 thousand of the total past due for that category and is associated with a change in ownership. The \$90 thousand past due balance was paid in full in October 2020.

Table 6 - Wholesale Accounts Receivable Aging Report Summary

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 50,955,560.72	\$ 42,398,387.54	\$ 120,561.84	\$ 92,674.33	\$ 8,343,937.01
Sewer	\$ 50,286,888.88	\$ 17,188,304.17	\$ 472,608.16	\$ 472,500.00	\$ 32,153,476.55
IWC	\$ 2,260,068.65	\$ 511,054.77	\$ 25,218.39	\$ -	\$ 1,723,795.49
Pollutant Surcharge	\$ 788,055.53	\$ 643,684.75	\$ 26,576.53	\$ 18,809.04	\$ 98,985.21
Total	\$ 104,290,573.78	\$ 60,741,431.23	\$ 644,964.92	\$ 583,983.37	\$ 42,320,194.26
	100.00%	58.24%	0.62%	0.56%	40.58%

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

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 42,217,161.50	\$ 42,193,672.68	\$ 23,488.82	\$ -	\$ -
Sewer	\$ 16,715,912.33	\$ 16,715,804.17	\$ 108.16	\$ -	\$ -
IWC	\$ 530,062.41	\$ 503,388.93	\$ 21,387.16	\$ -	\$ 5,286.32
Pollutant Surcharge	\$ 788,055.53	\$ 643,684.75	\$ 26,576.53	\$ 18,809.04	\$ 98,985.21
Total	\$ 60,251,191.77	\$ 60,056,550.53	\$ 71,560.67	\$ 18,809.04	\$ 104,271.53
	100.00%	99.68%	0.12%	0.03%	0.17%

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 as well as a total of all activity for GLWA since inception at January 1, 2016. Fiscal year 2021 reflects two months of activity to date.

Water fund receipts exceeded required disbursements by 9% through August 31, 2020 with a historical ratio of receipts exceeding required disbursements by 14% since January 1, 2016.

Sewer fund receipts exceeded required disbursements by 13% through August 31, 2020 with a historical ratio of receipts exceeding required disbursements by 6% since January 1, 2016.

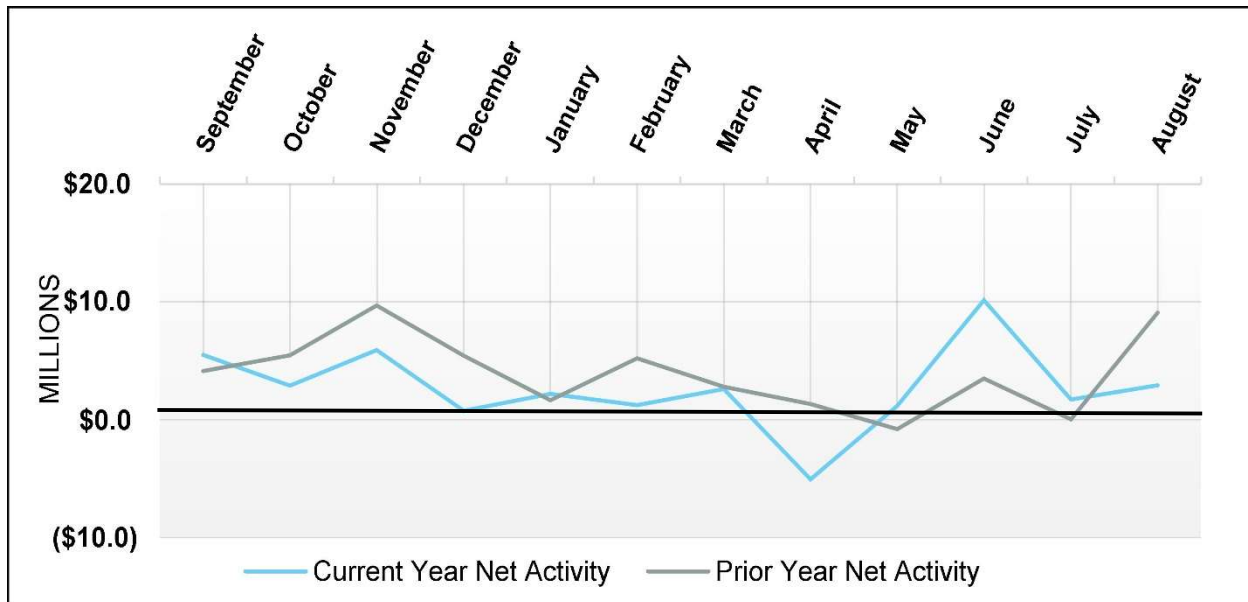
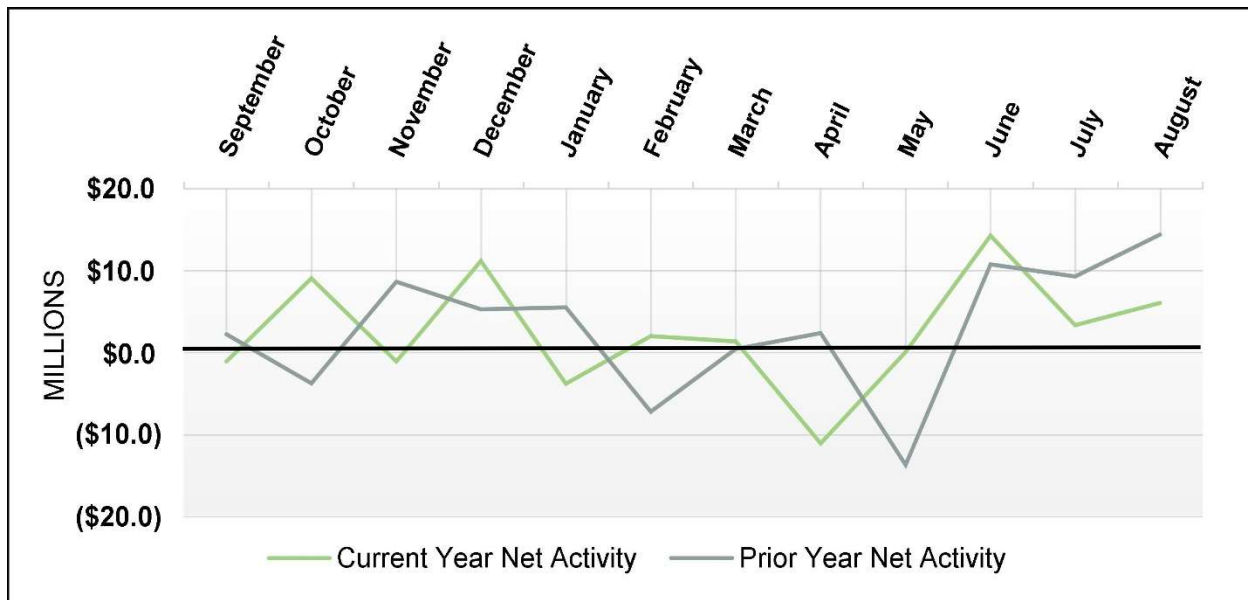
Chart 1 – GLWA 12-Month Net Receipts – Water outlines monthly cash receipt trends across two points of reference for the regional water system—current year and prior year. The black line at the zero highlights the minimum goal for net receipts.

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 2016	FY 2017	FY 2018	FY 2019	FY 2020 (Prelim)	FY 2021 Thru August 31	Life-to-Date Total
Water							
1 Receipts	\$ 149,688,711	\$ 352,941,909	\$ 338,452,001	\$ 336,594,234	\$ 332,606,196	\$ 55,983,501	\$1,566,266,552
2 MOU Adjustments	-	-	-	-	-	-	-
3 Adjusted Receipts	149,688,711	352,941,909	338,452,001	336,594,234	332,606,196	55,983,501	1,566,266,552
4 Disbursements	(146,256,185)	(288,777,985)	(297,064,810)	(289,230,481)	(296,190,425)	(51,356,305)	(1,368,876,191)
5 Receipts Net of Required	3,432,526	64,163,924	41,387,191	47,363,753	36,415,771	4,627,196	197,390,361
6 I&E Transfer	-	-	(25,739,700)	(47,695,000)	(25,719,751)	(3,736,549)	(102,891,000)
7 Net Receipts	\$ 3,432,526	\$ 64,163,924	\$ 15,647,491	\$ (331,247)	\$ 10,696,020	\$ 890,647	\$ 94,499,361
8 Ratio of Receipts to Required Disbursements (Line 3/Line 4)	102%	122%	114%	116%	112%	109%	114%
Sewer							
9 Receipts	\$ 232,377,715	\$ 469,788,882	\$ 476,269,761	\$ 467,743,744	\$ 490,461,356	\$ 82,460,262	\$2,219,101,720
10 MOU Adjustments	-	-	-	-	-	-	-
11 Adjusted Receipts	232,377,715	469,788,882	476,269,761	467,743,744	490,461,356	82,460,262	2,219,101,720
12 Disbursements	(219,538,325)	(441,443,340)	(458,903,335)	(453,406,636)	(445,604,952)	(72,985,770)	(2,091,882,358)
13 Receipts Net of Required	12,839,390	28,345,542	17,366,426	14,337,108	44,856,404	9,474,492	127,219,362
14 I&E Transfer	-	-	(22,698,100)	(22,547,700)	(19,096,200)	(1,701,400)	(66,043,400)
15 DWSD Shortfall Advance	(1,285,466)	(28,014,534)	(24,113,034)	-	-	-	(53,413,034)
16 Shortfall Repayment (principal)	-	-	-	9,367,355	17,542,669	2,987,634	29,897,658
17 Net Receipts	\$ 11,553,924	\$ 331,008	\$ (29,444,708)	\$ 1,156,763	\$ 43,302,873	\$ 10,760,726	\$ 37,660,586
18 Ratio of Receipts to Required Disbursements (Line 11/Line 12)	106%	106%	104%	103%	110%	113%	106%
Combined							
19 Receipts	\$ 382,066,426	\$ 822,730,791	\$ 814,721,762	\$ 804,337,978	\$ 823,067,552	\$ 138,443,763	\$3,785,368,272
20 MOU Adjustments	-	-	-	-	-	-	-
21 Adjusted Receipts	382,066,426	822,730,791	814,721,762	804,337,978	823,067,552	138,443,763	3,785,368,272
22 Disbursements	(365,794,510)	(730,221,325)	(755,968,145)	(742,637,117)	(741,795,377)	(124,342,075)	(3,460,758,549)
23 Receipts Net of Required	16,271,916	92,509,466	58,753,617	61,700,861	81,272,175	14,101,688	324,609,723
24 I&E Transfer	-	-	(48,437,800)	(70,242,700)	(44,815,951)	(5,437,949)	(168,934,400)
25 Shortfall Advance	(1,285,466)	(28,014,534)	(24,113,034)	-	-	-	(53,413,034)
26 Shortfall Repayment	-	-	-	9,367,355	17,542,669	2,987,634	29,897,658
27 Net Receipts	\$ 14,986,450	\$ 64,494,932	\$ (13,797,217)	\$ 825,516	\$ 53,998,893	\$ 11,651,373	\$ 132,159,947
28 Ratio of Receipts to Required Disbursements (Line 21/Line 22)	104%	113%	108%	108%	111%	111%	109%

MOU Adjustments applies to DWSD and is shown here for consistency.

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 as well as a total of all activity for DWSD since inception at January 1, 2016. Fiscal year 2021 reflects two months of activity to date.

Water fund receipts fell short of required disbursements by 10% through August 31, 2020 with a historical ratio of net receipts exceeding required disbursements by 2% since January 1, 2016.

Sewer fund receipts fell short of required disbursements by 13% through August 31, 2020 with a historic ratio of receipts falling short of required disbursements by 6% since January 1, 2016.

Both DWSD Water and Sewer funds closed fiscal year 2020 with shortfalls. However, agreed-upon terms under the April 2018 Memorandum of Understanding (MOU) state that DWSD has until June 30, 2021 to resolve this shortfall prior to establishment of a loan receivable with GLWA. This topic is discussed with executive leadership at quarterly Reconciliation Committee meetings and at regularly scheduled internal DWSD and GLWA management meetings. DWSD is working to address this shortfall resulting largely from this unforeseen COVID-19 pandemic using tax liens on commercial and industrial past due balances and the distribution of CARES Act funding from the State of Michigan.

Table 3 – FY 2017 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 2016 and FY 2017.

Table 4 – FY 2017 DWSD Loan Receivable Payments - Sewer provides an activity summary of loan receivable payments to date on the FY 2017

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.

Table 5 – 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 6 – 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.

Table 7 – Total DWSD Loan Receivable Balance – Sewer provides a summary of the FY 2017 and FY 2018 loan receivable balances in a combined total.

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 2016	FY 2017	FY 2018	FY 2019	FY 2020 (Prelim)	FY 2021 Thru August 31	Life-to-Date Total
Water							
1 Receipts	\$ 26,201,881	\$ 96,451,105	\$ 101,233,147	\$ 99,868,219	\$ 96,885,723	\$ 15,153,399	\$ 435,793,474
2 MOU Adjustments	18,446,100	-	-	-	-	-	18,446,100
3 Adjusted Receipts	44,647,981	96,451,105	101,233,147	99,868,219	96,885,723	15,153,399	454,239,574
4 Disbursements	(47,809,552)	(93,066,144)	(93,049,457)	(97,694,600)	(97,823,097)	(16,868,898)	(446,311,748)
5 Receipts Net of Required	(3,161,571)	3,384,961	8,183,690	2,173,619	(937,374)	(1,715,499)	7,927,826
6 I&E Transfer	-	-	-	(8,407,080)	-	-	(8,407,080)
7 Net Receipts	\$ (3,161,571)	\$ 3,384,961	\$ 8,183,690	\$ (6,233,461)	\$ (937,374)	\$ (1,715,499)	\$ (479,254)
8 Ratio of Receipts to Required Disbursements (Line 3/Line 4)	93%	104%	109%	102%	99%	90%	102%
Sewer							
9 Receipts	\$ 65,256,734	\$ 233,723,367	\$ 242,104,791	\$ 265,339,797	\$ 264,689,559	\$ 43,047,423	\$ 1,114,161,671
10 MOU Adjustments	55,755,100	-	-	6,527,200	-	-	62,282,300
11 Adjusted Receipts	121,011,834	233,723,367	242,104,791	271,866,997	264,689,559	43,047,423	1,176,443,971
12 Disbursements	(122,297,300)	(261,963,973)	(266,217,825)	(271,018,306)	(275,507,374)	(49,560,376)	(1,246,565,154)
13 Receipts Net of Required	(1,285,466)	(28,240,606)	(24,113,034)	848,691	(10,817,815)	(6,512,953)	(70,121,183)
14 I&E Transfer	-	-	-	-	-	-	-
15 Shortfall Advance from GLWA	1,285,466	28,014,534	24,113,034	-	-	-	53,413,034
16 Net Receipts (a)	\$ -	\$ (226,072)	\$ -	\$ 848,691	\$ (10,817,815)	\$ (6,512,953)	\$ (16,708,149)
17 Ratio of Receipts to Required Disbursements (Line 11/Line 12)	99%	89%	91%	100%	96%	87%	94%
Combined							
18 Receipts	\$ 91,458,615	\$ 330,174,472	\$ 343,337,938	\$ 365,208,016	\$ 361,575,282	\$ 58,200,822	\$ 1,549,955,145
19 MOU Adjustments	74,201,200	-	-	6,527,200	-	-	80,728,400
20 Adjusted Receipts	165,659,815	330,174,472	343,337,938	371,735,216	361,575,282	58,200,822	1,630,683,545
21 Disbursements	(170,106,852)	(355,030,117)	(359,267,282)	(368,712,906)	(373,330,471)	(66,429,274)	(1,692,876,902)
22 Receipts Net of Required	(4,447,037)	(24,855,645)	(15,929,344)	3,022,310	(11,755,189)	(8,228,452)	(62,193,357)
23 I&E Transfer	-	-	-	(8,407,080)	-	-	(8,407,080)
24 Shortfall Advance from GLWA	1,285,466	28,014,534	24,113,034	-	-	-	53,413,034
25 Net Receipts	\$ (3,161,571)	\$ 3,158,889	\$ 8,183,690	\$ (5,384,770)	\$ (11,755,189)	\$ (8,228,452)	\$ (17,187,403)
26 Ratio of Receipts to Required Disbursements (Line 20/Line 21)	97%	93%	96%	101%	97%	88%	96%

(a) The \$226,072 difference in FY 2017 is due to the June IWC payment from DWSD that was not past due at yearend and the \$12,272 rounding difference on the loan receivable.

Note 1: The \$29,300,000 for the DWSD loan receivable balance is calculated as follows.

(1,285,466)	FY 2016 Shortfall
(28,240,606)	FY 2017 Shortfall
(29,526,072)	Subtotal
238,264	June IWC not due until July
(29,287,808)	FY 2017 Shortfall-to-Date

29,300,000 FY 2017 Shortfall-to-Date, Rounded

Table 3 – FY 2017 DWSD Loan Receivable – Sewer

Date	Transaction	Amount	Balance
06-30-18	Record Loan Receivable		29,300,000
02-08-19	Payment for July - Dec 2018	4,635,462	24,664,538
02-22-19	Payment for Jan - Mar 2019	2,353,768	22,310,770
04-15-19	Payment for the Apr 2019	789,990	21,520,780
05-08-19	Payment for May 2019	792,705	20,728,075
06-07-19	Payment for June 2019	795,430	19,932,645
07-05-19	Payment for July 2019	798,164	19,134,480
08-08-19	Payment for August 2019	800,908	18,333,572
09-06-19	Payment for September 2019	803,661	17,529,911
10-02-19	Payment for October 2019	806,424	16,723,487
11-04-19	Payment for November 2019	809,196	15,914,291
12-03-19	Payment for December 2019	811,978	15,102,314
01-06-20	Payment for January 2020	814,769	14,287,545
02-04-20	Payment for February 2020	817,570	13,469,975
03-03-20	Payment for March 2020	820,380	12,649,595
04-15-20	Payment for April 2020	823,200	11,826,395
05-06-20	Payment for May 2020	826,030	11,000,366
06-02-20	Payment for June 2020	828,869	10,171,497
07-07-20	Payment for July 2020	831,718	9,339,778
08-04-20	Payment for August 2020	834,577	8,505,201
		20,794,799	8,505,201

Table 4 – FY 2017 DWSD Loan Receivable Payments – Sewer

Date	Transaction	Principal	Interest	Total Paid
02-08-19	Payment for July - Dec 2018	4,635,462	564,636	5,200,098
02-22-19	Payment for Jan - Mar 2019	2,353,768	246,280	2,600,049
04-15-19	Payment for the Apr 2019	789,990	76,693	866,683
05-08-19	Payment for May 2019	792,705	73,978	866,683
06-07-19	Payment for June 2019	795,430	71,253	866,683
07-05-19	Payment for July 2019	798,164	68,518	866,683
08-08-19	Payment for August 2019	800,908	65,775	866,683
09-06-19	Payment for September 2019	803,661	63,022	866,683
10-02-19	Payment for October 2019	806,424	60,259	866,683
11-04-19	Payment for November 2019	809,196	57,487	866,683
12-03-19	Payment for December 2019	811,978	54,705	866,683
01-06-20	Payment for January 2020	814,769	51,914	866,683
02-04-20	Payment for February 2020	817,570	49,113	866,683
03-03-20	Payment for March 2020	820,380	46,303	866,683
04-15-20	Payment for April 2020	823,200	43,483	866,683
05-06-20	Payment for May 2020	826,030	40,653	866,683
06-02-20	Payment for June 2020	828,869	46,303	875,172
07-07-20	Payment for July 2020	831,718	34,965	866,683
08-04-20	Payment for August 2020	834,577	32,105	866,683
		20,794,800	1,747,446	22,542,246

Table 5 – FY 2018 DWSD Loan Receivable – Sewer

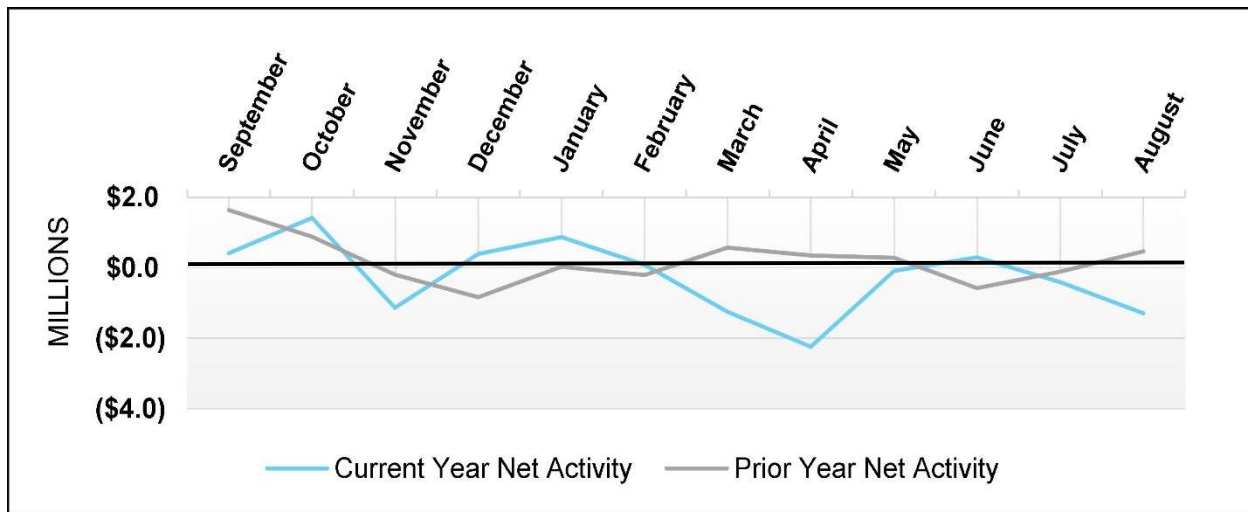
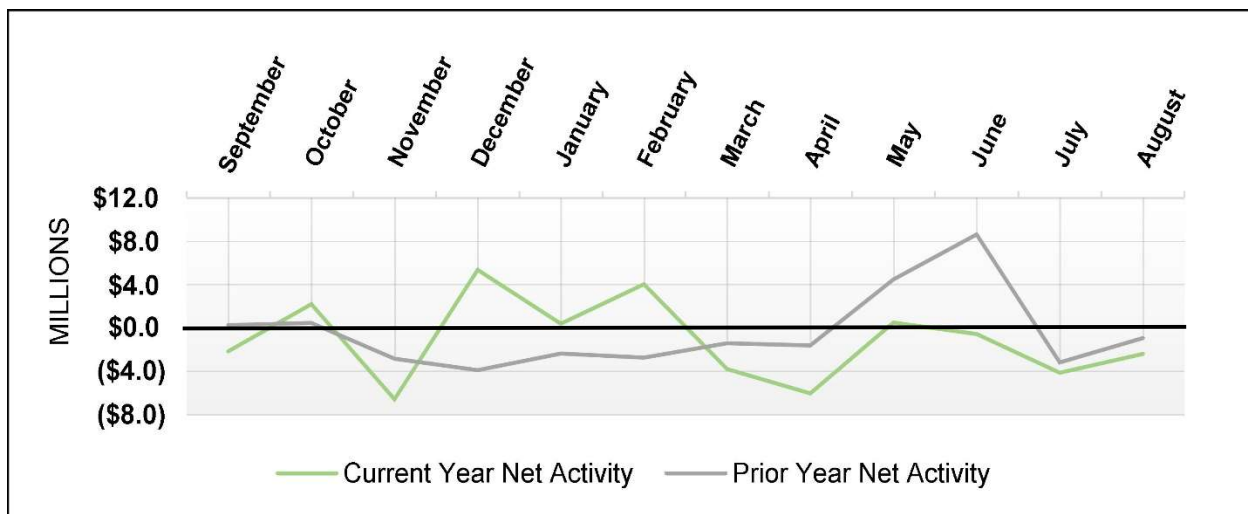
Date	Transaction	Amount	Balance
06-30-19	Record Loan Receivable		24,113,034
07-15-19	Payment for July 2019	638,978	23,474,056
08-08-19	Payment for August 2019	640,686	22,833,370
09-06-19	Payment for September 2019	642,400	22,190,970
10-02-19	Payment for October 2019	644,118	21,546,852
11-04-19	Payment 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
		9,102,858	15,010,176

Table 6 – 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
		9,102,858	745,582	9,848,440

Table 7 – Total DWSD Loan Receivable Balance – Sewer

Date	FY17 Loan Balance	FY18 Loan Balance	Total
06-30-18	29,300,000	-	29,300,000
07-31-18	29,300,000	-	29,300,000
08-31-18	29,300,000	-	29,300,000
09-30-18	29,300,000	-	29,300,000
10-31-18	29,300,000	-	29,300,000
11-30-18	29,300,000	-	29,300,000
12-31-18	29,300,000	-	29,300,000
01-31-19	29,300,000	-	29,300,000
02-28-19	24,664,538	-	24,664,538
03-31-19	22,310,770	-	22,310,770
04-30-19	21,520,780	-	21,520,780
05-31-19	20,728,075	-	20,728,075
06-30-19	19,932,645	24,113,034	44,045,679
07-31-19	19,134,480	23,474,056	42,608,537
08-31-19	18,333,572	22,833,370	41,166,942
09-30-19	17,529,911	22,190,970	39,720,881
10-31-19	16,723,487	21,546,852	38,270,340
11-30-19	15,914,291	20,901,012	36,815,303
12-31-19	15,102,314	20,253,445	35,355,759
01-31-20	14,287,545	19,604,146	33,891,691
02-29-20	13,469,975	18,953,111	32,423,086
03-31-20	12,649,595	18,300,335	30,949,930
04-30-20	11,826,395	17,645,813	29,472,208
05-31-20	11,000,366	16,989,541	27,989,906
06-30-20	10,171,497	16,331,514	26,503,010
07-31-20	9,339,778	15,671,727	25,011,505
08-31-20	8,505,201	15,010,176	23,515,376

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 8 – Combined Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required

MBO transfers by fiscal year as well as a total of all activity for GLWA since inception at January 1, 2016. Fiscal year 2021 reflects two months of activity to date.

Water fund net receipts exceeded required disbursements by 4% through August 31, 2020 with a historical ratio of receipts exceeding required disbursements by 11% since January 1, 2016.

Sewer fund receipts exceeded required disbursements by 2% through August 31, 2020 and with a historical ratio of receipts exceeding required disbursements by 2% since January 1, 2016.

Table 8 – Combined Net Cash Flows from Trust Receipts & Disbursements

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020 (Prelim)	FY 2021 Thru August 31	Life-to-Date Total
Water							
1 Receipts	\$ 175,890,592	\$ 449,393,014	\$ 439,685,148	\$ 436,462,453	\$ 429,491,919	\$ 71,136,900	\$2,002,060,026
2 MOU Adjustments	18,446,100	-	-	-	-	-	18,446,100
3 Adjusted Receipts	194,336,692	449,393,014	439,685,148	436,462,453	429,491,919	71,136,900	2,020,506,126
4 Disbursements	(194,065,737)	(381,844,129)	(390,114,267)	(386,925,081)	(394,013,522)	(68,225,203)	(1,815,187,939)
5 Receipts Net of Required	270,955	67,548,885	49,570,881	49,537,372	35,478,397	2,911,697	205,318,187
6 I&E Transfer	-	-	(25,739,700)	(56,102,080)	(25,719,751)	(3,736,549)	(111,298,080)
7 Net Receipts	\$ 270,955	\$ 67,548,885	\$ 23,831,181	\$ (6,564,708)	\$ 9,758,646	\$ (824,852)	\$ 94,020,107
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	100%	118%	113%	113%	109%	104%	111%
Sewer							
9 Receipts	\$ 297,634,449	\$ 703,512,249	\$ 718,374,552	\$ 733,083,541	\$ 755,150,915	\$ 125,507,685	\$3,333,263,391
10 MOU Adjustments	55,755,100	-	-	6,527,200	-	-	62,282,300
11 Adjusted Receipts	353,389,549	703,512,249	718,374,552	739,610,741	755,150,915	125,507,685	3,395,545,691
12 Disbursements	(341,835,625)	(703,407,313)	(725,121,160)	(724,424,942)	(721,112,326)	(122,546,146)	(3,338,447,512)
13 Receipts Net of Required	11,553,924	104,936	(6,746,608)	15,185,799	34,038,589	2,961,539	57,098,179
14 I&E Transfer	-	-	(22,698,100)	(22,547,700)	(19,096,200)	(1,701,400)	(66,043,400)
15 Shortfall Advance	-	-	-	-	-	-	-
16 Shortfall Repayment (principal)	-	-	-	9,367,355	17,542,669	2,987,634	29,897,658
17 Net Receipts	\$ 11,553,924	\$ 104,936	\$ (29,444,708)	\$ (7,361,901)	\$ 32,485,058	\$ 4,247,773	\$ 20,952,438
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	103%	100%	99%	102%	105%	102%	102%
Combined							
19 Receipts	\$ 473,525,041	\$1,152,905,263	\$1,158,059,700	\$1,169,545,994	\$1,184,642,834	\$ 196,644,585	\$5,335,323,417
20 MOU Adjustments	74,201,200	-	-	6,527,200	-	-	80,728,400
21 Adjusted Receipts	547,726,241	1,152,905,263	1,158,059,700	1,176,073,194	1,184,642,834	196,644,585	5,416,051,817
22 Disbursements	(535,901,362)	(1,085,251,442)	(1,115,235,427)	(1,111,350,023)	(1,115,125,848)	(190,771,349)	(5,153,635,451)
23 Receipts Net of Required	11,824,879	67,653,821	42,824,273	64,723,171	69,516,986	5,873,236	262,416,366
24 I&E Transfer	-	-	(48,437,800)	(78,649,780)	(44,815,951)	(5,437,949)	(177,341,480)
25 Shortfall Advance	-	-	-	-	-	-	-
26 Shortfall Repayment	-	-	-	9,367,355	17,542,669	2,987,634	29,897,658
27 Net Receipts	\$ 11,824,879	\$ 67,653,821	\$ (5,613,527)	\$ (4,559,254)	\$ 42,243,704	\$ 3,422,921	\$ 114,972,545
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	102%	106%	104%	106%	106%	103%	105%

APPENDIX

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$260,802.06	\$260,802.06	\$0.00	\$0.00	\$0.00
ALMONT VILLAGE	\$43,402.95	\$43,402.95	\$0.00	\$0.00	\$0.00
ASH TOWNSHIP	\$78,747.48	\$78,747.48	\$0.00	\$0.00	\$0.00
BELLEVILLE	\$32,902.21	\$32,902.21	\$0.00	\$0.00	\$0.00
BERLIN TOWNSHIP	\$72,400.33	\$72,400.33	\$0.00	\$0.00	\$0.00
BROWNSTOWN TOWNSHIP	\$755,424.18	\$755,424.18	\$0.00	\$0.00	\$0.00
BRUCE TOWNSHIP	\$51,041.07	\$51,041.07	\$0.00	\$0.00	\$0.00
BURTCHVILLE TOWNSHIP	\$44,299.38	\$44,299.38	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$2,331,559.58	\$2,331,559.58	\$0.00	\$0.00	\$0.00
CENTER LINE	\$43,017.36	\$43,017.36	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$458,347.67	\$458,347.67	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$784,883.63	\$784,883.63	\$0.00	\$0.00	\$0.00
COMMERCE TOWNSHIP	\$832,784.01	\$832,784.01	\$0.00	\$0.00	\$0.00
DEARBORN	\$931,022.58	\$931,022.58	\$0.00	\$0.00	\$0.00
DEARBORN HEIGHTS	\$355,204.46	\$355,204.46	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$275,562.55	\$275,562.55	\$0.00	\$0.00	\$0.00
ECORSE	\$119,534.12	\$119,534.12	\$0.00	\$0.00	\$0.00
FARMINGTON	\$103,392.30	\$103,392.30	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$1,862,879.54	\$1,862,879.54	\$0.00	\$0.00	\$0.00
FERNDAL	\$197,738.28	\$197,738.28	\$0.00	\$0.00	\$0.00
FLAT ROCK	\$123,833.00	\$123,833.00	\$0.00	\$0.00	\$0.00
FLINT	\$388,639.71	\$388,639.71	\$0.00	\$0.00	\$0.00
FRASER	\$125,902.40	\$125,902.40	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
GARDEN CITY	\$160,842.64	\$160,842.64	\$0.00	\$0.00	\$0.00
GIBRALTAR	\$59,990.16	\$59,990.16	\$0.00	\$0.00	\$0.00
GROSSE ILE TOWNSHIP	\$107,638.02	\$107,638.02	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$11,316.74	\$11,316.74	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$161,149.63	\$161,149.63	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$77,417.81	\$77,417.81	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$161,883.39	\$161,883.39	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$72,131.34	\$72,131.34	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$74,172.51	\$74,172.51	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$157,276.33	\$157,276.33	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$68,763.57	\$68,763.57	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$8,738,399.22	\$204,714.86	\$97,073.02	\$92,674.33	\$8,343,937.01
HURON TOWNSHIP	\$148,563.37	\$148,563.37	\$0.00	\$0.00	\$0.00
IMLAY CITY	\$142,784.47	\$142,784.47	\$0.00	\$0.00	\$0.00
IMLAY TOWNSHIP	\$2,559.52	\$2,559.52	\$0.00	\$0.00	\$0.00
INKSTER	\$207,664.05	\$207,664.05	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$59,652.78	\$59,652.78	\$0.00	\$0.00	\$0.00
LAPEER	\$135,877.27	\$135,877.27	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$72,682.47	\$49,193.65	\$23,488.82	\$0.00	\$0.00
LINCOLN PARK	\$216,824.01	\$216,824.01	\$0.00	\$0.00	\$0.00
LIVONIA	\$1,272,259.34	\$1,272,259.34	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$1,560,457.83	\$1,560,457.83	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MADISON HEIGHTS	\$160,029.71	\$160,029.71	\$0.00	\$0.00	\$0.00
MAYFIELD TOWNSHIP	\$6,342.32	\$6,342.32	\$0.00	\$0.00	\$0.00
MELVINDALE	\$57,609.97	\$57,609.97	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$36,070.85	\$36,070.85	\$0.00	\$0.00	\$0.00
NOCWA	\$2,442,413.30	\$2,442,413.30	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$89,478.16	\$89,478.16	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$708,230.28	\$708,230.28	\$0.00	\$0.00	\$0.00
NOVI	\$1,761,349.20	\$1,761,349.20	\$0.00	\$0.00	\$0.00
OAK PARK	\$129,592.08	\$129,592.08	\$0.00	\$0.00	\$0.00
OAKLAND CO DR COM	\$8,110.75	\$8,110.75	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$113,433.35	\$113,433.35	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$518,241.66	\$518,241.66	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$301,860.37	\$301,860.37	\$0.00	\$0.00	\$0.00
RIVER ROUGE	\$114,491.50	\$114,491.50	\$0.00	\$0.00	\$0.00
RIVERVIEW	\$88,334.87	\$88,334.87	\$0.00	\$0.00	\$0.00
ROCKWOOD	\$26,998.76	\$26,998.76	\$0.00	\$0.00	\$0.00
ROMEO	\$53,068.09	\$53,068.09	\$0.00	\$0.00	\$0.00
ROMULUS	\$413,381.83	\$413,381.83	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$249,101.85	\$249,101.85	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$34,473.78	\$34,473.78	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$1,897,858.01	\$1,897,858.01	\$0.00	\$0.00	\$0.00
SOCWA	\$4,778,009.40	\$4,778,009.40	\$0.00	\$0.00	\$0.00
SOUTH ROCKWOOD	\$20,583.92	\$20,583.92	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SOUTHGATE	\$203,544.03	\$203,544.03	\$0.00	\$0.00	\$0.00
ST. CLAIR COUNTY-GREENWOOD T	\$103,404.42	\$103,404.42	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$295,430.62	\$295,430.62	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$1,727,732.40	\$1,727,732.40	\$0.00	\$0.00	\$0.00
SUMPTER TOWNSHIP	\$129,428.36	\$129,428.36	\$0.00	\$0.00	\$0.00
SYLVAN LAKE	\$24,373.35	\$24,373.35	\$0.00	\$0.00	\$0.00
TAYLOR	\$873,312.26	\$873,312.26	\$0.00	\$0.00	\$0.00
TRENTON	\$165,494.50	\$165,494.50	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$1,612,246.36	\$1,612,246.36	\$0.00	\$0.00	\$0.00
UTICA	\$56,600.72	\$56,600.72	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$734,167.10	\$734,167.10	\$0.00	\$0.00	\$0.00
WALLED LAKE	\$152,292.09	\$152,292.09	\$0.00	\$0.00	\$0.00
WARREN	\$992,691.24	\$992,691.24	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$316,507.34	\$316,507.34	\$0.00	\$0.00	\$0.00
WAYNE	\$288,640.93	\$288,640.93	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$2,248,144.78	\$2,248,144.78	\$0.00	\$0.00	\$0.00
WESTLAND	\$609,687.54	\$609,687.54	\$0.00	\$0.00	\$0.00
WIXOM	\$290,617.22	\$290,617.22	\$0.00	\$0.00	\$0.00
WOODHAVEN	\$167,009.99	\$167,009.99	\$0.00	\$0.00	\$0.00
YCUA	\$2,011,544.14	\$2,011,544.14	\$0.00	\$0.00	\$0.00
TOTAL WATER ACCOUNTS	\$50,955,560.72	\$42,398,387.54	\$120,561.84	\$92,674.33	\$8,343,937.01

GLWA Aged Accounts Receivable- SEWER ACCOUNTS

Balances as of 08/31/20

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	\$86,099.50	\$86,099.50	\$0.00	\$0.00	\$0.00
DEARBORN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EVERGREEN-FARMINGTON	\$0.00	\$0.00	\$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	\$332,900.00	\$332,900.00	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$33,570,976.55	\$472,500.00	\$472,500.00	\$472,500.00	\$32,153,476.55
MELVINDALE	\$127,908.16	\$127,800.00	\$108.16	\$0.00	\$0.00
OAKLAND COUNTY GWK DD	\$3,772,000.00	\$3,772,000.00	\$0.00	\$0.00	\$0.00
OMID	\$5,809,504.67	\$5,809,504.67	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROUGE VALLEY	\$4,513,500.00	\$4,513,500.00	\$0.00	\$0.00	\$0.00
WAYNE COUNTY N.E.	\$2,069,800.00	\$2,069,800.00	\$0.00	\$0.00	\$0.00
WAYNE COUNTY-AREA #3	\$4,200.00	\$4,200.00	\$0.00	\$0.00	\$0.00
TOTAL SEWER ACCOUNTS	\$50,286,888.88	\$17,188,304.17	\$472,608.16	\$472,500.00	\$32,153,476.55

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$1,532.83	\$1,532.83	\$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	\$6,009.64	\$6,009.64	\$0.00	\$0.00	\$0.00
BEVERLY HILLS	\$949.78	\$949.78	\$0.00	\$0.00	\$0.00
BINGHAM FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BIRMINGHAM (E-F)	\$2,318.68	\$2,318.68	\$0.00	\$0.00	\$0.00
BIRMINGHAM (SEOC)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BLOOMFIELD HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BLOOMFIELD TOWNSHIP	\$7,197.71	\$7,197.71	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$81.12	\$81.12	\$0.00	\$0.00	\$0.00
CENTER LINE	\$3,501.68	\$3,501.68	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$11,770.85	\$11,770.85	\$0.00	\$0.00	\$0.00
CITY OF FARMINGTON (E-F)	\$190.97	\$190.97	\$0.00	\$0.00	\$0.00
CITY OF FERNDAL	\$25,400.70	\$16,933.80	\$8,466.90	\$0.00	\$0.00
CITY OF ROCHESTER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLARKSTON (C-O) ADMIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLAWSON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$24,739.91	\$24,739.91	\$0.00	\$0.00	\$0.00
DEARBORN	\$35,146.93	\$35,146.93	\$0.00	\$0.00	\$0.00
DEARBORN HEIGHTS	\$9,171.63	\$9,171.63	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$202.80	\$202.80	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
EASTPOINTE	\$6,146.53	\$6,146.53	\$0.00	\$0.00	\$0.00
FARMINGTON	\$3,829.54	\$3,829.54	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FRASER	\$14,145.30	\$9,430.20	\$4,715.10	\$0.00	\$0.00
GARDEN CITY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE	\$1,502.41	\$1,502.41	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$1,123.85	\$1,123.85	\$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	\$3,968.12	\$3,968.12	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$1,799.85	\$1,799.85	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$3,035.24	\$3,035.24	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$3,143.40	\$3,143.40	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$1,730,006.24	\$7,665.84	\$3,831.23	\$0.00	\$1,718,509.17
HUNTINGTON WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
INDEPENDENCE (C-O) ADMIN	\$3,513.29	\$2,350.36	\$1,162.93	\$0.00	\$0.00
INKSTER	\$21,145.28	\$10,572.64	\$5,286.32	\$0.00	\$5,286.32
KEEGO HARBOR	\$667.55	\$667.55	\$0.00	\$0.00	\$0.00
LAKE ORION	\$763.88	\$763.88	\$0.00	\$0.00	\$0.00
LATHRUP	\$1,336.79	\$1,336.79	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$309.27	\$309.27	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
LIVONIA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$196.04	\$196.04	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$35,462.96	\$35,462.96	\$0.00	\$0.00	\$0.00
MELVINDALE	\$3,234.66	\$3,234.66	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$1,693.38	\$1,693.38	\$0.00	\$0.00	\$0.00
NOVI	\$33,539.74	\$33,539.74	\$0.00	\$0.00	\$0.00
OAK PARK	\$6,574.10	\$6,574.10	\$0.00	\$0.00	\$0.00
OAKLAND TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ORCHARD LAKE VILLAGE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ORION TOWNSHIP (C-O)	\$3,633.50	\$3,633.50	\$0.00	\$0.00	\$0.00
ORION TOWNSHIP (C-O) ADMIN	\$453.90	\$453.90	\$0.00	\$0.00	\$0.00
OXFORD TOWNSHIP	\$961.61	\$961.61	\$0.00	\$0.00	\$0.00
OXFORD VILLAGE	\$1,196.52	\$1,196.52	\$0.00	\$0.00	\$0.00
PLEASANT RIDGE	\$260.26	\$260.26	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$3,707.86	\$3,707.86	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$260.26	\$260.26	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$12,370.92	\$12,370.92	\$0.00	\$0.00	\$0.00
ROCHESTER HILLS	\$17,599.66	\$17,599.66	\$0.00	\$0.00	\$0.00
ROMULUS	\$1,760.98	\$1,760.98	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$13,832.65	\$13,832.65	\$0.00	\$0.00	\$0.00
ROYAL OAK	\$26,369.07	\$26,369.07	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SHELBY TOWNSHIP	\$12,037.87	\$12,037.87	\$0.00	\$0.00	\$0.00
SOUTHFIELD (E-F)	\$54,255.76	\$54,255.76	\$0.00	\$0.00	\$0.00
SOUTHFIELD (SEOC)	\$7,605.00	\$7,605.00	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$22,862.32	\$22,862.32	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$30,259.45	\$30,259.45	\$0.00	\$0.00	\$0.00
TROY (E-F)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UTICA	\$2,854.41	\$2,854.41	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$5,267.73	\$3,511.82	\$1,755.91	\$0.00	\$0.00
VILLAGE OF FRANKLIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$1,412.84	\$1,412.84	\$0.00	\$0.00	\$0.00
WATERFORD TOWNSHIP DPW (ADM)	\$2,964.88	\$2,964.88	\$0.00	\$0.00	\$0.00
WAYNE	\$4,770.87	\$4,770.87	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (E-F)	\$6,121.18	\$6,121.18	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP. (C-O) P	\$225.63	\$225.63	\$0.00	\$0.00	\$0.00
WESTLAND	\$21,670.87	\$21,670.87	\$0.00	\$0.00	\$0.00
TOTAL IWC ACCOUNTS	\$2,260,068.65	\$511,054.77	\$25,218.39	\$0.00	\$1,723,795.49

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
3M COMPANY	\$3,082.08	\$3,082.08	\$0.00	\$0.00	\$0.00
A & R PACKING CO., LLC	\$5,383.88	\$5,383.88	\$0.00	\$0.00	\$0.00
AACTRON	\$187.41	\$0.00	\$91.23	\$96.18	\$0.00
ACADEMY PACKING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ACME RUSTPROOF	\$12.49	\$12.49	\$0.00	\$0.00	\$0.00
ADORING PET FUNERAL HOME	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AEVITAS SPECIALITY SERVICES	\$15,887.34	\$9,717.63	\$6,169.71	\$0.00	\$0.00
ALEXANDER & HORNUNG	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ALEXANDER & HORNUNG	\$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.	\$11,877.08	\$11,877.08	\$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	\$0.88	\$0.88	\$0.00	\$0.00	\$0.00
BAFFIN BREWING COMPANY	\$135.99	\$135.99	\$0.00	\$0.00	\$0.00
BARON INDUSTRIES	\$ (289.88)	\$0.00	\$ (289.88)	\$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
BATCH BREWING COMPANY	\$369.60	\$369.60	\$0.00	\$0.00	\$0.00
BAYS MICHIGAN CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
BEIRUT BAKERY, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BETTER MADE SNACK FOOD	\$21,218.38	\$21,218.38	\$0.00	\$0.00	\$0.00
BLACK LOTUS BREWING CO.	\$61.25	\$0.00	\$0.00	\$0.00	\$61.25
BOZEK'S MARKET	\$31.30	\$31.30	\$0.00	\$0.00	\$0.00
BREW DETROIT	\$7,263.22	\$7,263.22	\$0.00	\$0.00	\$0.00
BROADWAY MKT CORNED BEEF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BROOKS BREWING, LLC.	\$21.00	\$21.00	\$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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CF BURGER CREAMERY	\$17,205.98	\$17,205.98	\$0.00	\$0.00	\$0.00
CHILANGO'S BAKERY	\$1,749.20	\$28.96	\$17.69	\$20.91	\$1,681.64
CINTAS CORP. - MACOMB TWP.	\$28,311.25	\$28,311.25	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CITY LAUNDRY, INC.	\$ (7.38)	\$0.00	\$0.00	\$ (7.38)	\$0.00
CLASSIC CONTAINER CORP.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COCA-COLA REFRESHMENTS USA,	\$787.10	\$787.10	\$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
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 08/31/20

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
COUNTRY FRESH DAIRY CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CROSS CHEMICAL COMPANY, INC.	\$1,198.29	\$0.00	\$335.34	\$862.95	\$0.00
DARLING INGREDIENTS, INC.	\$7,934.08	\$7,934.08	\$0.00	\$0.00	\$0.00
DAVE'S SAUSAGE FACTORY 2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN BREWING	\$56.81	\$56.81	\$0.00	\$0.00	\$0.00
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.	\$205.18	\$205.18	\$0.00	\$0.00	\$0.00
DETROIT LINEN SERVICE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT RIVERTOWN BREWERY CC	\$3,105.49	\$3,105.49	\$0.00	\$0.00	\$0.00
DETROIT SAUSAGES CO INC	\$22.80	\$11.40	\$2.85	\$2.85	\$5.70
DETRONIC INDUSTRIES, INC.	\$243.39	\$112.15	\$44.38	\$22.43	\$64.43
DIFCO LABORATORIES, INC.	\$101,787.74	\$11,236.92	\$15,295.43	\$15,683.45	\$59,571.94
DIVERSIFIED CHEM TECH. INC.	\$133.69	\$133.69	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$1,507.56	\$1,507.56	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$627.39	\$627.39	\$0.00	\$0.00	\$0.00
DOWNEY BREWING COMPANY	\$63.00	\$63.00	\$0.00	\$0.00	\$0.00
E.W. GROBBEL'S SONS, INC.	\$3,890.36	\$3,890.36	\$0.00	\$0.00	\$0.00
EASTERN MARKET BREWING COMP	\$414.14	\$232.59	\$0.00	\$0.00	\$181.55
ENVIROSOLIDS, L.L.C.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$914.17	\$914.17	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
EQ DETROIT, INC.	\$9,845.79	\$9,845.79	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$303.74	\$303.74	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$0.37	\$0.37	\$0.00	\$0.00	\$0.00
ETON ST BREWERY- GRIFFIN CLF	\$4,058.94	\$4,058.94	\$0.00	\$0.00	\$0.00
EXTRUDE HONE CORPORATION	\$170.71	\$170.71	\$0.00	\$0.00	\$0.00
EXTRUDEHODE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FARMINGTON BREWING COMPANY	\$18.08	\$18.08	\$0.00	\$0.00	\$0.00
FAYGO BEVERAGES, INC.	\$28,350.23	\$28,350.23	\$0.00	\$0.00	\$0.00
FORD NEW MODEL PROGRAM	\$795.16	\$795.16	\$0.00	\$0.00	\$0.00
FOUNDERS BREWING COMPANY	\$62.46	\$62.46	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$297.17	\$297.17	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
G2O ENERGY, LLC	\$2,457.36	\$2,457.36	\$0.00	\$0.00	\$0.00
GENERAL LINEN SUPPLY CO.	\$4,809.39	\$4,809.39	\$0.00	\$0.00	\$0.00
GLOBAL TITANIUM, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$61.41	\$61.41	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$53.43	\$0.00	\$0.00	\$0.00	\$53.43
GRANITE CITY FOOD & BREWERY	\$13.49	\$13.49	\$0.00	\$0.00	\$0.00
GREAT BARABOO BREWING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HACIENDA MEXICAN FOODS	\$2,324.07	\$1,528.57	\$595.54	\$199.96	\$0.00
HENKEL CORPORATION	\$0.06	\$0.00	\$0.06	\$0.00	\$0.00
HOME STYLE FOOD INC.	\$113.79	\$113.79	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
HOMEGROWN BREWING COMPANY	\$107.77	\$107.77	\$0.00	\$0.00	\$0.00
HOODS CLEANERS	\$211.33	\$0.00	\$0.00	\$0.00	\$211.33
HOUGHTON INTERNATIONAL INC.	\$1,338.15	\$1,338.15	\$0.00	\$0.00	\$0.00
HOUGHTON INTERNATIONAL INC.	\$544.40	\$544.40	\$0.00	\$0.00	\$0.00
HOUGHTON INTERNATIONAL INC.	\$2,472.67	\$2,472.67	\$0.00	\$0.00	\$0.00
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	\$1,081.46	\$856.09	\$225.37	\$0.00	\$0.00
ISLAMIC SLAUGHTER HOUSE	\$1,106.08	\$1,106.08	\$0.00	\$0.00	\$0.00
ITALIAN BUTTER BREAD STICKS	\$4.83	\$4.83	\$0.00	\$0.00	\$0.00
JAMEX BREWING CO.	\$76.56	\$76.56	\$0.00	\$0.00	\$0.00
KAR NUT PRODUCTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
KOWALSKI SAUSAGES, CO.	\$995.99	\$995.99	\$0.00	\$0.00	\$0.00
KUHNHENN BREWING	\$214.94	\$214.94	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$1,043.62	\$1,043.62	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$243.89	\$243.89	\$0.00	\$0.00	\$0.00
LEAR CORPORATION DBA EAGLE C	\$795.43	\$0.00	\$795.43	\$0.00	\$0.00
LIBERTY STREET PROD. BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LIFE TECHNOLOGIES	\$13,483.46	\$13,483.46	\$0.00	\$0.00	\$0.00
LILY'S SEAFOOD GRILL & BREWE	\$70.00	\$70.00	\$0.00	\$0.00	\$0.00
MACDERMID, INC.	\$2,387.18	\$2,387.18	\$0.00	\$0.00	\$0.00
MCCLURE'S PICKLES	\$937.09	\$930.17	\$6.92	\$0.00	\$0.00
MCNICHOLS POLISHING & ANODIZ	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MELLO MEATS INC, - KUBISCH S	\$483.81	\$199.21	\$85.38	\$56.92	\$142.30
METROPOLITAN BAKERY	\$575.85	\$575.85	\$0.00	\$0.00	\$0.00
MIBA HYDRAMECHANICA CORP.	\$767.88	\$314.24	\$147.67	\$150.03	\$155.94
MICHIGAN DAIRY	\$120,887.94	\$120,887.94	\$0.00	\$0.00	\$0.00
MICHIGAN PROD. MACHINING	\$3,225.53	\$964.96	\$0.00	\$0.00	\$2,260.57
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	\$639.56	\$639.56	\$0.00	\$0.00	\$0.00
MILTON CHILI CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MINNIE MARIE BAKERS, INC	\$2,914.42	\$2,914.42	\$0.00	\$0.00	\$0.00
MISTER UNIFORM & MAT RENTALS	\$2.09	\$2.09	\$0.00	\$0.00	\$0.00
MOTOR CITY BREWING WORKS	\$1,636.89	\$323.76	\$0.00	\$0.00	\$1,313.13
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTH CENTER BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTHERN LAKES SEAFOOD & MEAT	\$63.31	\$63.31	\$0.00	\$0.00	\$0.00
OAKWOOD BAKERY	\$285.76	\$285.76	\$0.00	\$0.00	\$0.00
PARKER'S HILLTOP BREWER & SE	\$ (80.33)	\$0.00	\$ (80.33)	\$0.00	\$0.00
PELLERITO FOODS INC.	\$24.19	\$24.19	\$0.00	\$0.00	\$0.00
PEPSI COLA, INC.	\$43,037.28	\$43,037.28	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$67,265.24	\$67,265.24	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$13,281.88	\$13,281.88	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$4,564.65	\$4,564.65	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
PERSONAL UNIFORM SERVICE, IN	\$79.62	\$56.78	\$11.75	\$11.09	\$0.00
PETRO ENVIRON TECH, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PINE TREE ACRES, INC.	\$43,689.37	\$43,689.37	\$0.00	\$0.00	\$0.00
PLATING SPEC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POWER VAC OF MICHIGAN, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PREMIER PLATING, LLC	\$2,483.14	\$0.00	\$1,987.91	\$495.23	\$0.00
PRODUCTION SPRING, LLC.	\$337.94	\$67.59	\$0.00	\$0.00	\$270.35
QUALA SERVICES, LLC	\$1,063.55	\$1,063.55	\$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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROAK BREWING CO. LLC	\$1,255.62	\$1,255.62	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS BEER COMPANY	\$224.81	\$224.81	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS PROD BREWERY	\$1,917.06	\$1,917.06	\$0.00	\$0.00	\$0.00
ROYAL OAK BREWERY	\$ (765.27)	\$0.00	\$0.00	\$0.00	\$ (765.27)
RTT	\$27,772.36	\$0.00	\$0.00	\$0.00	\$27,772.36
SEAFARE FOODS, INC.	\$408.37	\$408.37	\$0.00	\$0.00	\$0.00
SHERWOOD BREWING COMPANY	\$1,130.63	\$95.81	\$0.00	\$0.00	\$1,034.82
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	\$64.46	\$64.46	\$0.00	\$0.00	\$0.00
SWEETHEART BAKERY, INC.	\$2,040.39	\$145.22	\$59.54	\$47.92	\$1,787.71
THE CROWN GROUP-LIVONIA PLAN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
TOM LAUNDRY CLEANERS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRAFFIC JAM & SNUG	\$ (36.41)	\$0.00	\$ (36.41)	\$0.00	\$0.00
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.	\$2,034.04	\$2,034.04	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$81,171.23	\$81,171.23	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$2,782.82	\$2,782.82	\$0.00	\$0.00	\$0.00
UNIQUE LINEN SERVICES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNITED FISH DISTRIBUTORS	\$15.79	\$15.79	\$0.00	\$0.00	\$0.00
UNITED LINEN SERVICE, LLC.	\$245.95	\$245.95	\$0.00	\$0.00	\$0.00
UNITED MEAT & DELI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
URBANREST BREWING COMPANY	\$133.32	\$133.32	\$0.00	\$0.00	\$0.00
US ECOLOGY MICHIGAN	\$1,014.91	\$1,014.91	\$0.00	\$0.00	\$0.00
US ECOLOGY ROMULUS, INC.	\$2,549.16	\$2,549.16	\$0.00	\$0.00	\$0.00
USHER OIL SERVICES	\$4,556.61	\$4,556.61	\$0.00	\$0.00	\$0.00
VALICOR ENVIROMENTAL SERVICE	\$8,415.44	\$3,019.40	\$1,110.95	\$1,166.50	\$3,118.59
VAUGHAN INDUSTRIES, INC.	\$44.01	\$44.01	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS, INC.	\$3,703.22	\$3,703.22	\$0.00	\$0.00	\$0.00
VERNOR FOOD PRODUCTS	\$ (36.26)	\$0.00	\$0.00	\$0.00	\$ (36.26)
WIGLEY'S MEAT PROCESS	\$628.95	\$628.95	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$2,276.72	\$2,276.72	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 08/31/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
WINTER SAUSAGE MFG. CO.	\$486.66	\$486.66	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO	\$14,445.69	\$14,445.69	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO.	\$5,848.34	\$5,848.34	\$0.00	\$0.00	\$0.00
WOODWARD AVENUE BREWERS	\$240.06	\$154.88	\$0.00	\$0.00	\$85.18
TOTAL POLLUTANT SURCHARGE ACCOUNTS	\$788,055.53	\$643,684.75	\$26,576.53	\$18,809.04	\$98,985.21

City of Highland Park Billings and Collections

	Water	Sewer	IWC	Cumulative Total
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	(65,652)	(2,206,211)	-	(2,271,863)
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	-	(1,612,633)	-	(1,612,633)
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	-	(1,444,623)	-	(1,444,623)
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	-	(2,022,335)	-	(2,022,335)
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	-	(2,309,186)	-	(2,309,186)
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	-	(4,108,108)	-	(4,108,108)
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	-	(5,241,583)	-	(5,241,583)
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	-	(3,026,117)	-	(3,026,117)
June 30, 2020 Balance	\$ 8,533,684	\$ 34,112,127	\$ 1,722,340	\$ 44,368,151
FY 2021 Billings (2 Months)	204,715	945,000	7,666	1,157,381
FY 2021 Payments (2 Months)	-	(1,486,150)	-	(1,486,150)
Balance as of August 31, 2020	\$ 8,738,399	\$ 33,570,977	\$ 1,730,006	\$ 44,039,382