

GLWA

Great Lakes Water Authority



Monthly Financial Report Binder

November 2020

**Presented to the
Great Lakes Water Authority
Audit Committee on February 26, 2021**

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Key Financial Metrics

The table below provides key report highlights and flags the financial risk of a budget shortfall by year-end as follows:

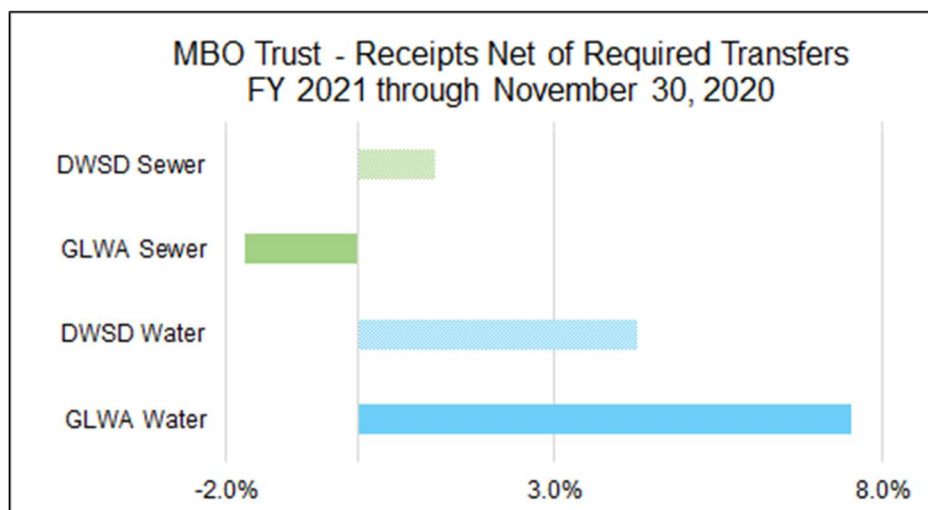
No Risk (green) - Potential (yellow) - Likely (red)

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

As of November 30, 2020				
Metric	FY 2021 Budget	FY 2021 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$137.8	\$142.5	3%	45
Wholesale Water Billed Usage (mcf)	6,398,000	6,826,000	7%	
Wholesale Sewer Billed Revenue (\$M)	\$111.6	\$111.6	0%	47
Wholesale Water Operations & Maintenance (\$M)	\$55.9	\$55.1	-1%	6
Wholesale Sewer Operations & Maintenance (\$M)	\$76.0	\$70.5	-7%	
Investment Income (\$M)	\$1.5	\$3.6	140%	35
Water Prorated Capital Spend w/SRA* (\$M)	\$45.0	\$49.0	9%	27
Sewer Prorated Capital Spend w/SRA* (\$M)	\$34.0	\$30.0	-12%	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 51)



Net cash flow receipts remain positive for GLWA Water while Sewer reports a small shortfall of \$3.3 million related to the timing of payments received. This means that all legal commitments of the MBO Trust and the lease payment for

the Water fund are fully funded and for the Sewer fund nearly funded to date – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water and Sewer report positive net receipts of \$2.0 million and \$1.5 million respectively through November 2020 attributed to the receipt of anticipated Michigan CARES Act funding.

The current DWSD loan receivable balance for fiscal years 2017 and 2018 is \$19.0 million.

Budget to Actual Analysis (page 3)

- The first quarter budget amendment that was approved by the GLWA Board on October 28, 2020 is reflected in the FY 2021 Amended Budget columns on the tables in the November 2020 Budget to Actual report.
- The total Revenue Requirements are on target through November 2020.
- The total Operations & Maintenance expenses are at 39.7% of budget through November 2020 which is reasonably within the pro-rata benchmark of 41.7%.

Basic Financial Statements (page 10)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for November 2020 is \$44.7 million for the Water fund (29.5% of total revenues) and \$62.0 million for the Sewer fund (31.5% of total revenues).
- Water Net Position increased \$1.7 million, and Sewage Disposal Net Position increased \$15.2 million for the year to date through November 2020.

Construction Work in Progress Summary (page 26)

- Both the Water and Wastewater systems are exceeding 75% of the Capital Spend Ratio.

Master Bond Ordinance Transfers (page 29)

- For November, transfers of \$13.6 million and \$18.3 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for November, transfers of \$4.7 million and \$7.7 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 35)

- Total cash & investments are \$530 million in the Water fund and \$433 million in the Sewer fund.
- The total combined cumulative investment income for FY 2021 through November was \$3.6 million.

DWSD Retail Revenues, Receivables & Collections (page 40)

- Water usage through November 30, 2020 is at 92.85% of budget and revenues at 93.84% of budget.
- Sewer usage through November 30, 2020 is at 92.24% of budget and revenues at 97.26% of budget.
- Combined accounts receivable balances for the water and sewer funds report an increase of \$4 million over the prior year.
- Past dues over 180 days make up 65% 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 45)

- GLWA accounts receivable past due balances (net of Highland Park) continue to be higher than usual due to mail delivery issues and COVID-related collection issues although total past dues still remain below 2% of the total accounts receivable balance.
- The Highland Park past due balance is \$45.5 million, includes \$34.7 million for wastewater treatment services, \$1.7 million for industrial waste control services, and \$9.1 million for water supply services. In FY 2021, Highland Park has made three payments totaling \$1.7 million through November 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 includes the first quarter budget amendments approved by the GLWA Board on October 28, 2020.

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 November 2020, the pro-rata benchmark is 41.7% (5 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 November 30, 2020 these payments total \$2.8 million for FY 2021.

2. **Investment Earnings:** For *both* systems, investment earnings are above the pro-rata benchmark for FY 2021; the *water* system is at 170.1%; while the *sewer* system is at 143.2%. 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 41.1%. The *sewer* system O&M expenses, at 38.7%, is less than the pro-rata benchmark.
5. **Debt Service:** *Both* systems are slightly above the pro-rata benchmark for FY 2021; the *water* system is at 42.5%; while the *sewer* system is at 42.7%. The activity is based on the payment schedules adjusted for the State Revolving Fund loans that are still being drawn down.
6. **Operating Reserve Deposit:** GLWA 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 surplus of \$2.0 million and the DWSD *sewer* system has a budgetary surplus of \$1.5 million through November 30, 2020. GLWA and DWSD staff are meeting regularly to discuss steps to mitigate any 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.
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 11/30/2019	Percent Year-to- Date	FY 2021 BOARD ADOPTED BUDGET	FY 2021 AMENDED BUDGET	FY 2021 THRU 11/30/2020	Percent Year-to- Date
Water System							
Revenues							
Suburban Wholesale Customer Charges	\$ 304,634	\$ 134,363	44.1%	\$ 314,252	\$ 313,134	\$ 139,428	44.5%
Retail Service Charges	21,296	8,873	41.7%	22,555	21,926	9,267	42.3%
Investment Earnings	8,084	3,967	49.1%	4,834	1,270	2,160	170.1%
Other Revenues	2		11.2%	-	-	15	0.0%
Total Revenues	\$ 334,016	\$ 147,203	44.1%	\$ 341,642	\$ 336,329	\$ 150,870	44.9%
Revenue Requirements							
Operations & Maintenance Expense	\$ 126,840	\$ 52,724	41.6%	\$ 137,127	\$ 134,127	\$ 55,111	41.1%
General Retirement System Legacy Pension	6,048	2,520	41.7%	6,048	6,048	2,520	41.7%
Debt Service	135,999	53,612	39.4%	143,190	137,436	58,392	42.5%
General Retirement System Accelerated Pension	6,268	2,612	41.7%	6,268	6,268	2,612	41.7%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	1,698	708	41.7%	1,669	1,669	696	41.7%
Lease Payment	22,500	9,375	41.7%	22,500	22,500	9,375	41.7%
Operating Reserve Deposit	3,976	-	0.0%	877	-	-	0.0%
DWSD Budget Shortfall/(Surplus) Pending Improvement & Extension Fund Transfer Pending	1,230	(1,036)	-84.2%	-	-	(2,027)	0.0%
	29,456	12,273	41.7%	23,963	28,280	11,783	41.7%
Total Revenue Requirements	\$ 334,016	\$ 132,788	39.8%	\$ 341,642	\$ 336,329	\$ 138,462	41.2%
Net Difference		\$ 14,415				\$ 12,408	
<i>Recap of Net Positive Variance</i>							
Revenue Variance		\$ 8,029				\$ 10,733	
Revenue Requirement Variance		6,385				1,675	
Overall Variance		\$ 14,415				\$ 12,408	

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

	FY 2020 AMENDED BUDGET	FY 2020 THRU 11/30/2019	Percent Year-to- Date	FY 2021 BOARD ADOPTED BUDGET	FY 2021 AMENDED BUDGET	FY 2021 THRU 11/30/2020	Percent Year-to- Date
Sewer System							
Revenues							
Suburban Wholesale Customer Charges	\$ 272,324	\$ 113,804	41.8%	\$ 277,012	\$ 274,054	\$ 111,927	40.8%
Retail Service Charges	185,807	77,420	41.7%	190,112	187,960	78,765	41.9%
Industrial Waste Control Charges	7,834	3,488	44.5%	8,775	8,683	3,278	37.8%
Pollutant Surcharges	5,910	2,518	42.6%	5,263	5,208	2,601	49.9%
Investment Earnings	7,731	3,357	43.4%	5,589	987	1,414	143.2%
Other Revenues	400	211	52.9%	-	-	265	0.0%
Total Revenues	\$ 480,005	\$ 200,798	41.8%	\$ 486,751	\$ 476,891	\$ 198,249	41.6%
Revenue Requirements							
Operations & Maintenance Expense	\$ 181,926	\$ 69,536	38.2%	\$ 184,946	\$ 182,296	\$ 70,508	38.7%
General Retirement System Legacy Pension	10,824	4,510	41.7%	10,824	10,824	4,510	41.7%
Debt Service	214,691	86,473	40.3%	209,740	201,780	86,128	42.7%
General Retirement System Accelerated Pension	11,621	4,842	41.7%	11,621	11,621	4,842	41.7%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	2,403	1,001	41.7%	2,415	2,415	1,006	41.7%
Lease Payment	27,500	11,458	41.7%	27,500	27,500	11,458	41.7%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall/(Surplus) Pending Improvement & Extension Fund Transfer Pending	10,244	10,690	104.4%	-	-	(1,474)	0.0%
	20,798	8,666	41.7%	39,706	40,455	16,731	41.4%
Total Revenue Requirements	\$ 480,005	\$ 197,177	41.1%	\$ 486,751	\$ 476,891	\$ 193,709	40.6%
Net Difference		\$ 3,621				\$ 4,540	
<i>Recap of Net Positive Variance</i>							
Revenue Variance		\$ 795				\$ (455)	
Revenue Requirement Variance		2,826				4,995	
Overall Variance		\$ 3,621				\$ 4,540	

All amounts are unaudited unless otherwise noted.

Operations & Maintenance Budget – Major Budget Categories

The year-over-year benchmark ratio as of November 30, 2020, is 41.7% (five 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 11/30/2019	Percent Year- to-Date	FY 2021 BOARD ADOPTED BUDGET	FY 2021 AMENDED BUDGET	FY 2021 ACTIVITY THRU 11/30/2020	Percent Year- to-Date
Water	\$ 66,021	\$ 28,457	43.1%	\$ 71,966	\$ 70,820	\$ 30,000	42.4%
Sewer	115,985	44,098	38.0%	115,676	114,975	43,902	38.2%
Centralized	97,731	38,545	39.4%	102,721	100,338	39,977	39.8%
Administrative	29,028	11,486	39.6%	31,709	30,290	11,158	36.8%
Employee Benefits	-	(326)	0.0%	-	-	581	0.0%
Total O&M Budget	\$ 308,766	\$ 122,260	39.6%	\$ 322,073	\$ 316,423	\$ 125,619	39.7%

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 39.7% which is reasonably within the pro-rata benchmark of 41.7%. This positive variance equates to a dollar amount of \$6.2 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 41.2% through November 2020.

Utilities: The overall category is higher than the pro-rata benchmark; coming in at 42.3% through November 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 46.5%. The first three months of GLWA's fiscal year (July, August, and September) are typically peak months for the usage of electricity. June, the last month of GLWA's fiscal year, is typically a peak month as well.
- **Gas** is coming in at 27.0% which is lower than the benchmark of 41.7%. 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 38.7%. A review of this category is being conducted.
- **Water service** is lower than the benchmark, coming in at 28.3%. 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 45.5% through November 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 33.0% through November 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 slightly lower than the pro-rata benchmark; coming in at 41.0% through November 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 lower than the benchmark; coming in at 36.3% through November 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 56.2% through November 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 11/30/2019	Percent Year-to- Date at 11/30/2019	FY 2020 ACTIVITY THRU 6/30/2020	Percent Year-to-Date at 6/30/2020	FY 2021 AMENDED BUDGET	FY 2021 PRORATED AMENDED BUDGET (5 MONTHS)	FY 2021 ACTIVITY THRU 11/30/2020	Percent Year-to- Date	FY 2021 PRORATED BUDGET LESS FY 2021
Entity-wide										
Salaries & Wages	\$ 64,703	\$ 26,878	41.5%	\$ 64,189	41.9%	\$ 69,842	\$ 29,101	\$ 26,782	38.3%	\$ 2,319
Workforce Development	1,271	370	29.1%	1,252	29.5%	948	395	366	38.6%	29
Overtime	7,191	3,082	42.9%	7,494	41.1%	6,988	2,912	3,124	44.7%	(212)
Employee Benefits	22,465	10,594	47.2%	25,001	42.4%	24,194	10,081	10,717	44.3%	(636)
Transition Services	5,872	2,212	37.7%	6,330	34.9%	6,834	2,847	3,297	48.2%	(450)
Employee Benefits Fund	-	(326)	0.0%	-	0.0%	-	-	581	0.0%	(581)
Personnel Costs	101,503	42,810	42.2%	104,267	41.1%	108,806	45,336	44,867	41.2%	469
Electric	39,549	17,908	45.3%	40,669	44.0%	39,240	16,350	18,254	46.5%	(1,904)
Gas	5,332	1,850	34.7%	5,196	35.6%	6,629	2,762	1,790	27.0%	972
Sewage Service	1,988	847	42.6%	2,109	40.2%	2,120	883	821	38.7%	62
Water Service	3,662	1,401	38.2%	3,179	44.1%	3,948	1,645	1,118	28.3%	527
Utilities	50,531	22,007	43.6%	51,153	43.0%	51,937	21,640	21,983	42.3%	(342)
Chemicals	14,019	6,219	44.4%	14,242	43.7%	13,420	5,592	6,112	45.5%	(521)
Supplies & Other	34,124	13,826	40.5%	35,402	39.1%	39,021	16,259	12,877	33.0%	3,382
Contractual Services	103,975	40,812	39.3%	106,372	38.4%	104,782	43,659	42,948	41.0%	711
Capital Program Allocation	(3,122)	(1,196)	38.3%	(3,347)	35.7%	(3,448)	(1,437)	(1,250)	36.3%	(187)
Shared Services	(4,995)	(2,217)	44.4%	(1,734)	127.9%	(3,413)	(1,422)	(1,918)	56.2%	496
Unallocated Reserve	12,731	-	0.0%	-	0.0%	5,318	2,216	-	0.0%	2,216
Total Expenses	\$ 308,766	\$ 122,260	39.6%	\$ 306,354	39.9%	\$ 316,423	\$ 131,843	\$ 125,619	39.7%	\$ 6,224



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 based on final audited figures.

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 November 30, 2020
(\$000)**

	Water	Sewage Disposal	Total Business-type Activities	Comparative June 30, 2020
Assets				
Cash - unrestricted (a)	\$ 153,773	\$ 152,869	\$ 306,642	\$ 208,357
Cash - restricted (a)	26,563	46,541	73,104	114,415
Investments - unrestricted (a)	242,248	131,969	374,217	473,549
Investments - restricted (a)	85,489	117,149	202,637	157,786
Accounts Receivable	93,639	83,244	176,883	193,719
Due from (to) Other Funds (b)	(16)	16	-	-
Other Assets (c)	678,220	434,683	1,112,903	1,114,230
Cash Held FBO DWSD Advance (d)	-	8,721	8,721	-
Capital Assets, net of Depreciation	1,348,379	2,237,561	3,585,940	3,689,047
Land	292,799	123,846	416,645	416,645
Construction Work in Process (e)	168,879	208,475	377,354	303,220
Total assets	3,089,975	3,545,072	6,635,046	6,670,969
Deferred Outflows (f)	61,566	150,930	212,495	217,097
Liabilities				
Liabilities - Short-Term (g)	172,452	176,721	349,173	305,598
Due to (from) Other Funds (b)	-	-	-	-
Other Liabilities (h)	2,891	6,799	9,690	9,179
Cash Held FBO DWSD (d)	3,273	-	3,273	1,250
Liabilities - Long-Term (i)	3,012,866	3,570,423	6,583,289	6,683,741
Total liabilities	3,191,481	3,753,943	6,945,424	6,999,768
Deferred Inflows (f)	54,672	51,964	106,636	109,876
Total net position (j)	\$ (94,613)	\$ (109,906)	\$ (204,519)	\$ (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 November 30, 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 November 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 Five Months ended November 30, 2020
(\$000)

	Water	Percent of Revenue	Sewage Disposal	Percent of Revenue	Total Business- Type Activities	Comparative June 30, 2020
Revenue						
Wholesale customer charges	\$ 142,200	93.9%	\$ 111,927	56.9%	\$ 254,127	\$ 578,705
Local system charges	9,267	6.1%	78,765	40.0%	88,032	207,103
Industrial waste charges		0.0%	3,278	1.7%	3,278	7,855
Pollutant surcharges		0.0%	2,601	1.3%	2,601	6,449
Other revenues	15	0.0%	265	0.1%	280	778
Total Revenues	151,482	100.0%	196,836	100.0%	348,318	800,889
Operating expenses						
Operations and Maintenance	55,112	36.4%	72,111	36.6%	127,223	309,482
Depreciation	51,605	34.1%	62,715	31.9%	114,320	280,104
Total operating expenses	106,717	70.4%	134,826	68.5%	241,543	589,586
Operating Income	44,765	29.6%	62,010	31.5%	106,775	211,303
Total Nonoperating (revenue) expense	42,969	28.4%	46,748	23.7%	89,717	232,056
Increase/(Decrease) in Net Position	1,796	1.2%	15,262	7.8%	17,059	(20,753)
Net Position (deficit), beginning of year	(96,410)		(125,168)		(221,578)	(200,825)
Net position (deficit), end of year	\$ (94,613)		\$ (109,906)		\$ (204,519)	\$ (221,578)
<i>Totals may be off due to rounding</i>						

Water Fund

- ✓ The increase in Water Fund Net Position is \$1.8 million.
- ✓ Wholesale water customer charges of \$142.2 million account for 93.9% of Water System revenues.
- ✓ Operating expenses of \$106.7 million represent 70.4% of total operating revenue. Depreciation is the largest operating expense at \$51.6 million or 48.4% of operating expense.
- ✓ Operating income after operating expenses (including depreciation) equals \$44.8 million or 29.6 % of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$35.6 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 \$15.3 million.
- ✓ Wholesale customer charges of \$111.9 million account for 56.9% 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 \$78.8 million account for 40.0% of total operating revenues. These are also billed at one-twelfth of the annual revenue requirement.
- ✓ Operating expenses of \$134.8 million represent 68.5% of total operating revenue. Depreciation is the largest operating expense at \$62.7 million or 46.5% of total operating expense.
- ✓ Operating income after operating expenses (including depreciation) equals \$62.0 million or 31.5 % of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$40.0 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 November 2020 Financial Report Binder. Explanatory notes follow this schedule.

**Table 3 – Supplemental Schedule of Operations & Maintenance Expenses
– All Funds Combined
For the Five Months ended November 30, 2020
(\$000)**

	Water	Percent of Total	Sewage Disposal	Percent of Total	Total Business- Type Activities	Percent of Total
Operating Expenses						
Personnel						
Salaries & Wages	9,665	17.5%	20,780	28.8%	30,445	23.9%
Overtime	1,950	3.5%	1,174	1.6%	3,124	2.5%
Benefits	7,650	13.9%	3,649	5.1%	11,299	8.9%
Total Personnel	\$ 19,264	35.0%	\$ 25,603	35.5%	\$ 44,867	35.3%
Utilities						
Electric	12,169	22.1%	6,084	8.4%	18,254	14.3%
Gas	232	0.4%	1,558	2.2%	1,790	1.4%
Sewage	91	0.2%	731	1.0%	822	0.6%
Water		0.0%	1,118	1.6%	1,118	0.9%
Total Utilities	\$ 12,492	22.7%	\$ 9,491	13.2%	\$ 21,983	17.3%
Chemicals	2,704	4.9%	3,409	4.7%	6,112	4.8%
Supplies and other	3,747	6.8%	9,130	12.7%	12,877	10.1%
Contractual services	19,545	35.5%	25,006	34.7%	44,551	35.0%
Capital Adjustment	-	0.0%	-	0.0%	-	0.0%
Capital program allocation	(864)	-1.6%	(386)	-0.5%	(1,250)	-1.0%
Shared services allocation	(1,777)	-3.2%	(141)	-0.2%	(1,918)	-1.5%
Operations and Maintenance Expenses	\$ 55,112	100.0%	\$ 72,111	100.0%	\$ 127,223	100.0%

Totals may be off due to rounding

- ✓ Core expenses for water and sewage disposal systems are utilities (17.3% of total O&M expenses) and chemicals (4.8% of total O&M expenses).
- ✓ Personnel costs (35.3% of total O&M expenses) include all salaries, wages, and benefits for employees as well as staff augmentation contracts that fill a vacant position (contractual transition services).
- ✓ Contractual services (35.0%) includes:
 - Water System costs of sludge removal and disposal services at the Northeast, Southwest and Springwells Water Treatment Plants (approximately \$2.8 million);
 - Sewage Disposal System costs for the operation and maintenance of the biosolids dryer facility (approximately \$6.6 million); and
 - Centralized and administrative contractual costs allocated to both systems for information technology, building maintenance, field, planning and other services.
- ✓ Both the Capital Program Allocation and Shared Services Allocation are shown as negative amounts because they are 'contra' expense accounts representing offsets to associated costs in other Operations and Maintenance expense categories.

Supplemental Schedule of Nonoperating Expenses – All Funds Combined

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 Five Months ended November 30, 2020
(\$000)**

	Water	Sewage Disposal	Total Business- type Activities	Comparative June 30, 2020
Nonoperating (Revenue)/Expense				
Interest income contractual obligation	\$ (10,448)	\$ (7,340)	\$ (17,788)	\$ (41,136)
Interest income DWSD Shortfall	-	(347)	(347)	(1,299)
Investment earnings	(2,178)	(1,436)	(3,614)	(19,445)
Net (increase)/decrease in fair value of investments	4,946	3,340	8,286	(5,972)
Other nonoperating revenue	(39)	(7)	(46)	(2,552)
Interest Expense				
Bonded debt	46,054	47,339	93,393	243,745
Lease obligation	7,214	8,817	16,031	38,808
Other obligations	1,979	647	2,626	6,395
Total interest expense	55,246	56,803	112,049	288,948
Other non-capital expense	-	-	-	-
Memorandum of Understanding	-	-	-	-
Capital Contribution	-	12	12	(5,960)
Amortization, issuance costs, debt	(6,611)	(5,070)	(11,681)	(10,303)
Amortization, raw water rights	1,486	-	1,486	3,567
(Gain) loss on disposal of capital assets	(7)	(11)	(18)	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	\$ 42,969	\$ 46,747	\$ 89,716	\$ 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. 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.

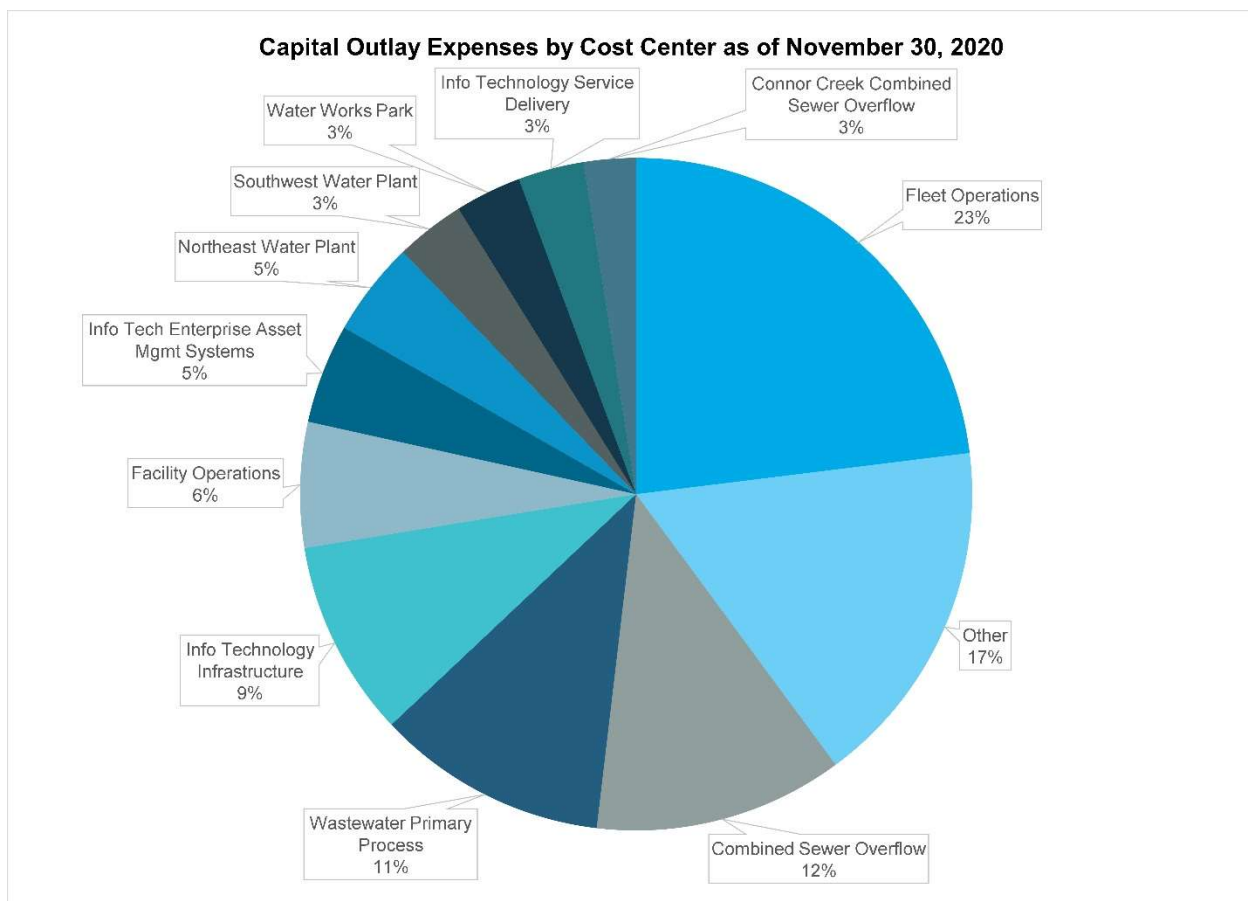
- ✓ Interest expense, the largest category of nonoperating expenses, is made up of three components:
 - Bonded debt;
 - Lease obligation for the regional assets from the City of Detroit; and
 - Other obligations such as an obligation payable to the City of Detroit for an allocation BC Notes related to 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 November 30, 2020, total capital outlay spend is \$7.3 million. Following this chart is a sample list of projects and purchases from the total spend of \$7.3 million:



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

Water Operations: Generator (\$111k); Southwest Water Plant feed system (\$110k); evaporators (\$101k) and high-pressure water tank (\$92k).

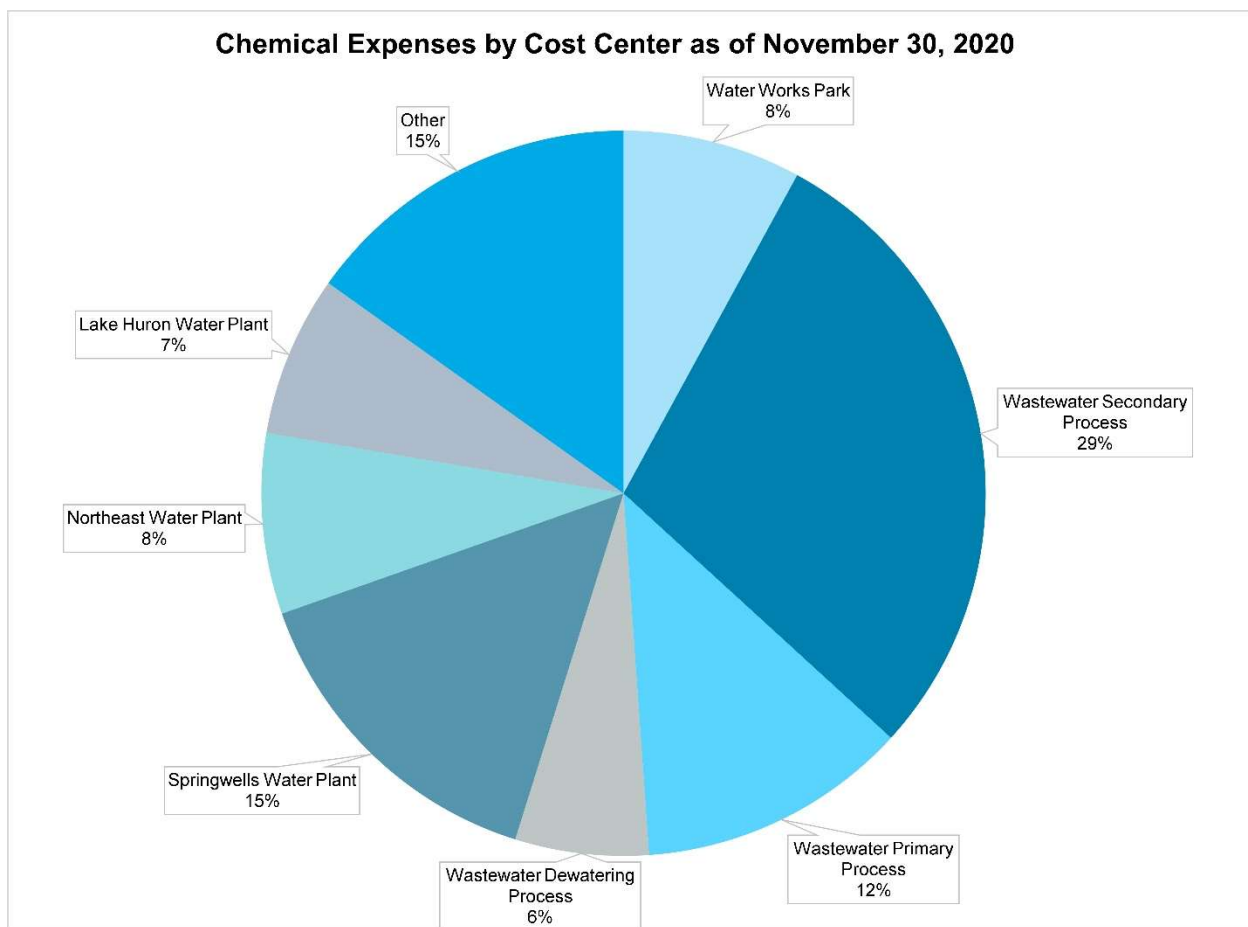
Wastewater Operations: Chemical containment improvements (\$879k); pump at WRRF (\$742k); level and flow instrumentation (\$163k); submersible mixers (\$135k);

turbimeter, controller and process head (\$134k); magnetic drive (\$129k); actuators (\$121k); Complex A Bio Solids dryer (\$68k) and dilute water control (\$56k).

Centralized & Administrative Facilities: Trucks and vehicles (\$1.7m); bleacher design (\$441k); datacenter modernization (\$320k); IT software (\$620k); IT computers (\$142k) universal power supply (\$100k); server drives (\$61k) and sewer meter support (\$50k).

Chart 2 – Chemical Expenses – Water and Sewer System Combined

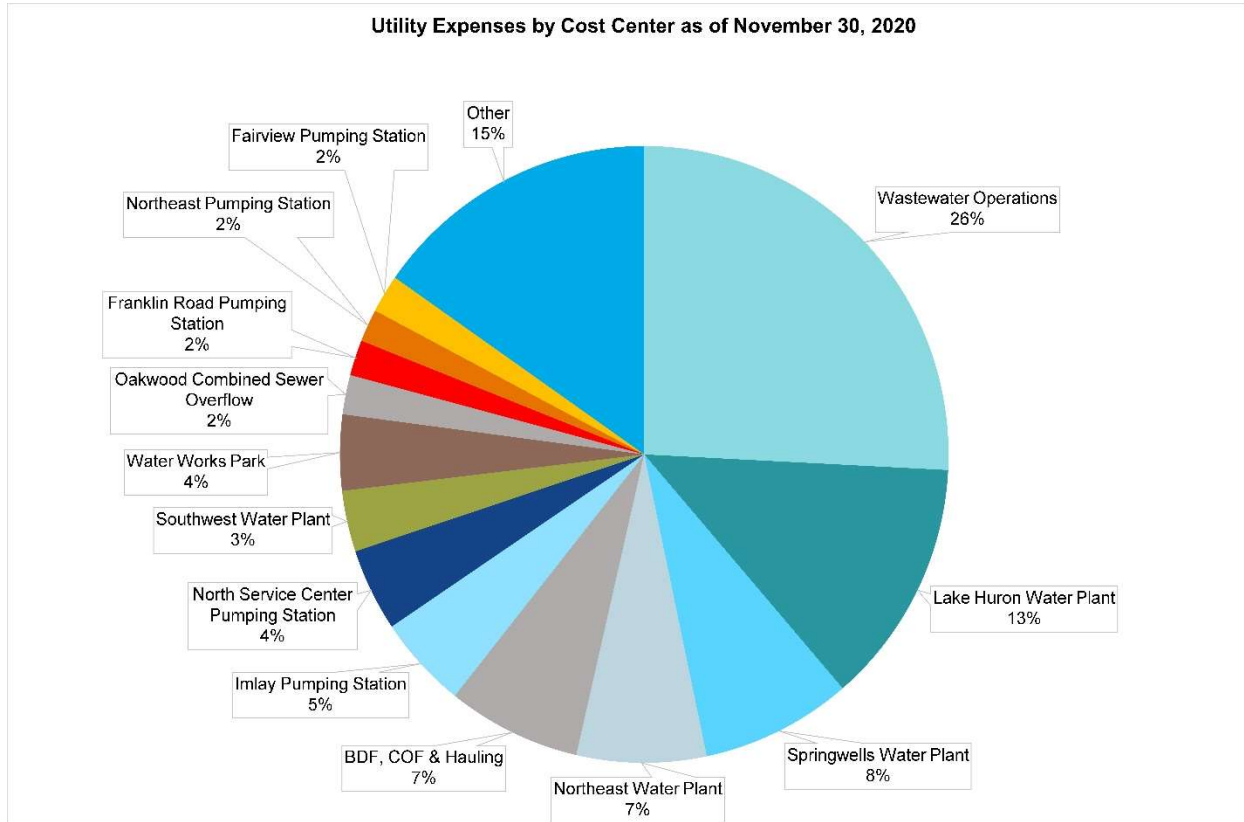
Chemical expenses are \$6.1 million through November 30, 2020. The allocation is shown in the chart below and remains consistent with prior periods.



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 \$22.0 million through November 30, 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 November 30, 2020 all reconciliations are up-to-date and complete.

There were no changes from October 2020.

Chart 1 – Bank Reconciliation Completion Status

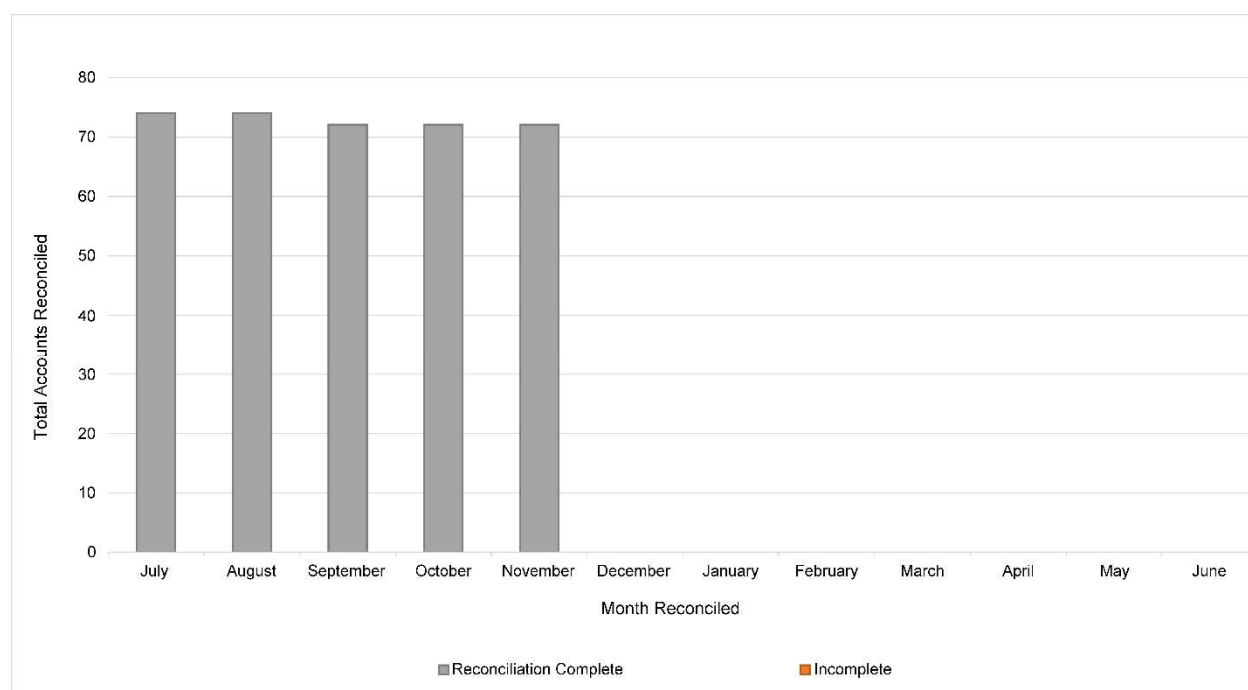


Table 1 – Fiscal Year 2021 GL Cash Account Rollforward

Total GL Cash accounts as of July 1, 2020	74
New GL Cash accounts	0
Inactivated GL Cash accounts	(2)
Total GL Cash accounts as of November 30, 2020	<u>72</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 Five Months Ended November 30, 2020

	Water	Sewer	Total
Net Revenue Requirement Budget Variance (a)	\$ 12,408	\$ 4,540	\$ 16,948
Budgetary categories adjustments to financial reporting basis			
Pension delayed accounting election adjustments			
Current year pension transfers/payments recorded as deferral (c)	4,767	8,531	13,298
Prior year pension contribution accounted for in current year (d)	-	-	-
Administrative prepaid adjustment (e)	-	-	-
Debt service (f)	22,786	46,129	68,915
Accelerated pension B&C notes obligation portion (g)	77	174	251
Lease payment (h)	2,161	2,641	4,802
WRAP (i)	122	204	326
DWSD short term allocation (j)	(2,027)	(1,474)	(3,501)
Operating Reserve Deposit (j)	-	-	-
Improvement & Extension Fund (j)	11,783	15,128	26,911
Nonbudgeted financial reporting categories adjustments			
Depreciation (k)	(51,605)	(62,715)	(114,320)
Amortization (k)	5,125	5,070	10,195
Other nonoperating income (k)	39	7	46
Other nonoperating expense (k)	-	-	-
Gain(loss) on disposal of capital assets (k)	7	11	18
Raw water rights (l)	1,081	-	1,081
Investment earnings construction fund & WRAP (m)	18	21	39
Investment earnings DWSD note receivable (m)	-	347	347
Investment earnings unrealized gain/loss (m)	(4,946)	(3,340)	(8,286)
Capital contribution (n)	-	(12)	(12)
Net Position Increase/(Decrease) per Financial Statements (b)	\$ 1,796	\$ 15,262	\$ 17,058

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 \$1.6 million 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 of \$11.92 million made to GLWA by the Oakland Macomb Interceptor Drainage District (OMIDD) as part of an amendment to the OMIDD Wastewater Disposal Services Contract. This contribution is associated with revenue requirements for FY 2020 and 2021 so one-half of the contribution (or \$5.96 million) was recognized in FY 2020 and the remaining \$5.96 will be recognized as a capital contribution in FY 2021.



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 November 2020, the Water system incurred over \$ 49 million of construction costs to date. This is 82% of the fiscal year 2021 prorated CIP through November and 109% 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 November 2020, the Sewer system incurred over \$ 30 million of construction costs to date. This is 67% of the fiscal year 2021 prorated CIP through November and 88% of the financial plan which is labeled as the FY 2021 CIP w/SRA in the chart below.

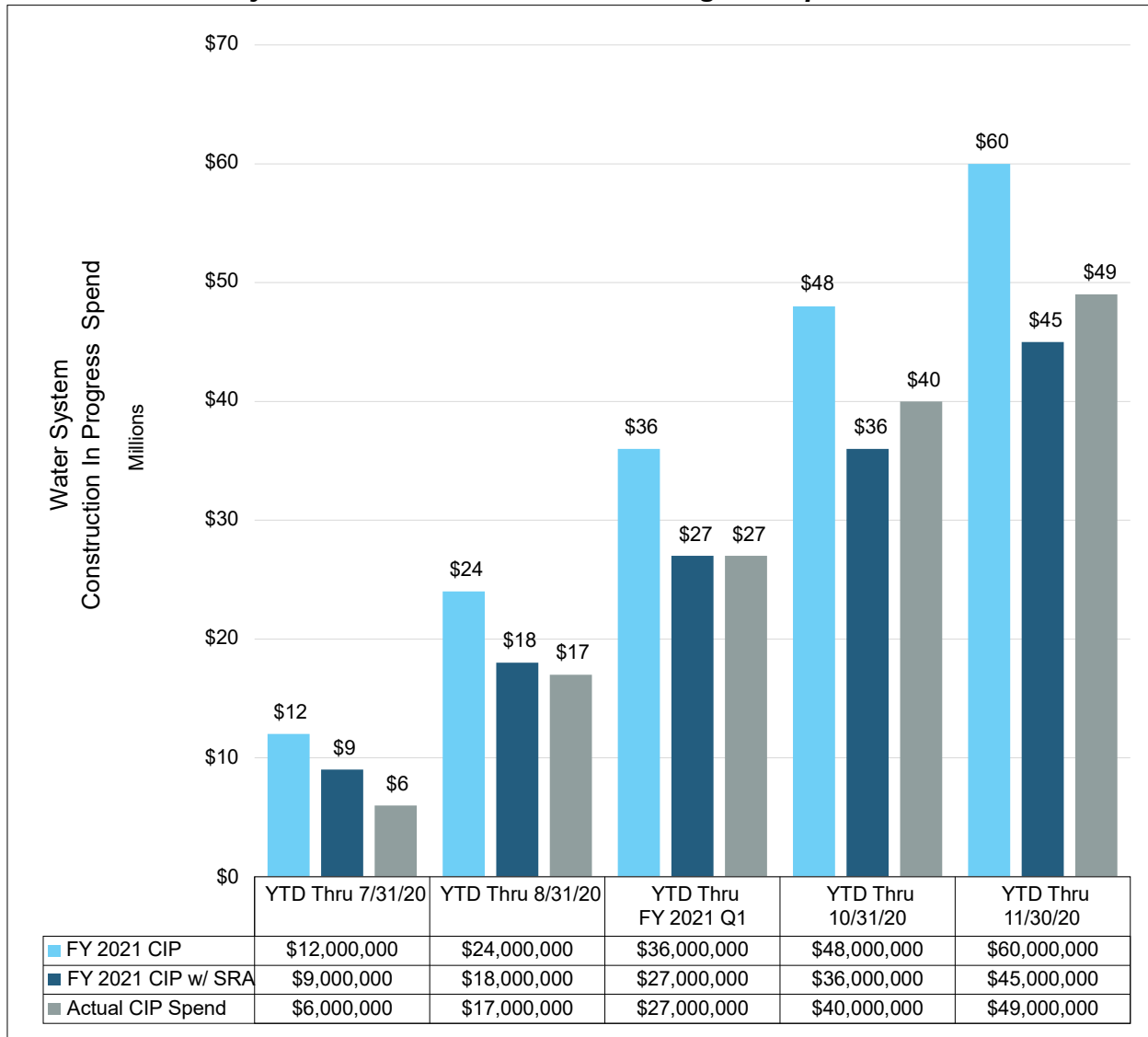
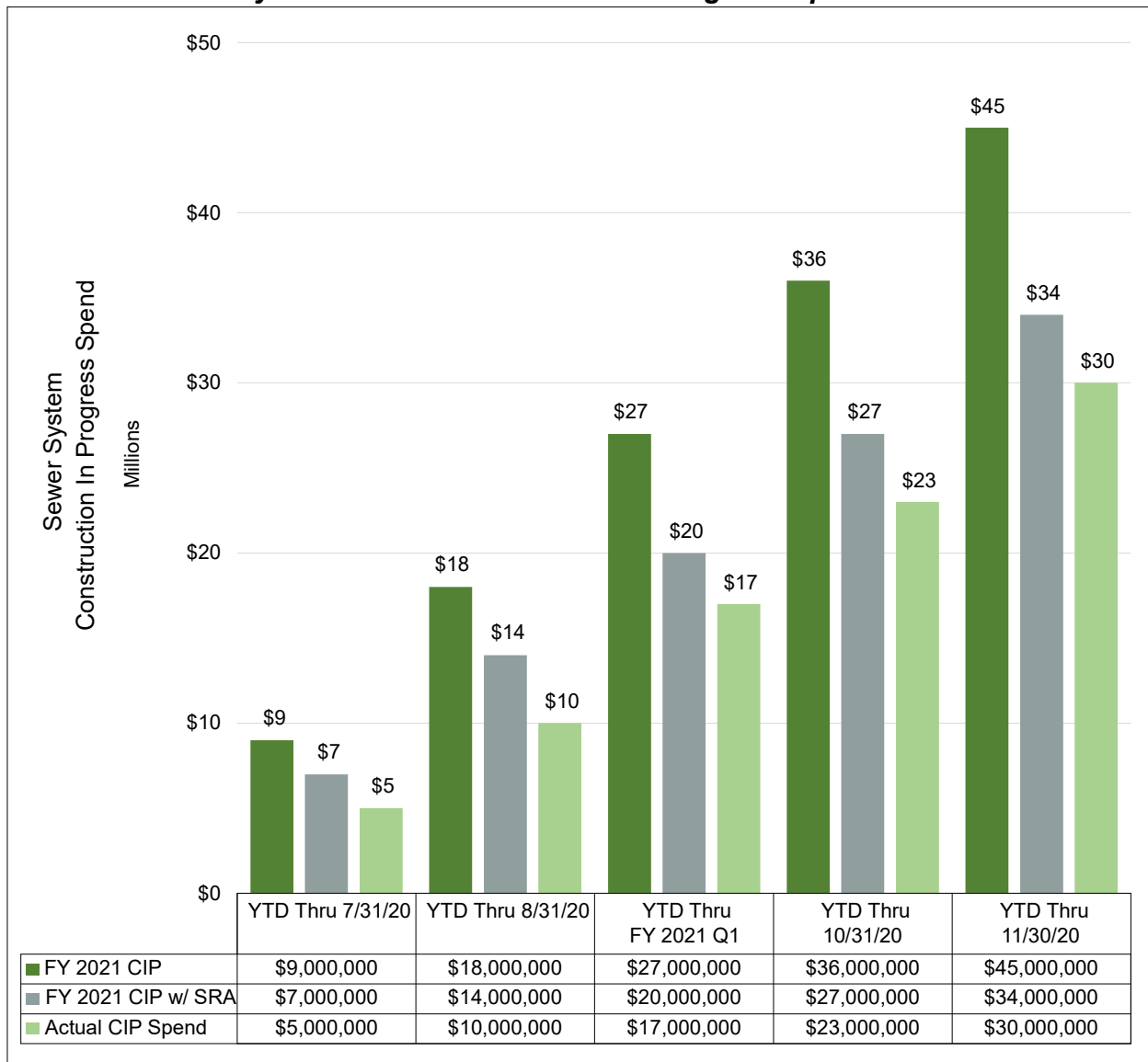
Chart 1 – Water System Construction Work in Progress Spend


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 November 2, 2020. MBO transfers for water totaling \$64.6 million have been transferred to GLWA accounts. The total transfer amount in November is different than the prior month due to corrections needed to adjust to approved budget levels.

Table 2 – GLWA FY 2021 Sewer MBO Transfers reflects the required transfers for FY 2021 completed through November 2, 2020. MBO transfers for sewer totaling \$88.8 million have been transferred to GLWA accounts. The total transfer amount in November is different than the prior month due to corrections needed to adjust to approved budget levels.

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
September 2020	11,160,517	504,000	891,308	192,608	-	-	12,748,433
October 2020	11,160,517	504,000	891,308	192,608	-	-	12,748,433
November 2020	11,994,307	504,000	891,308	197,988	-	-	13,587,603
Total FY 2021	\$ 56,636,375	\$2,520,000	\$4,456,540	\$968,420	\$ -	\$ -	\$64,581,335

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
September 2020	15,194,175	902,000	1,223,950	313,500	-	-	17,633,625
October 2020	15,194,175	902,000	1,223,950	313,500	-	-	17,633,625
November 2020	15,842,491	902,000	1,223,950	314,455	-	-	18,282,896
Total FY 2021	\$76,619,191	\$4,510,000	\$6,119,750	\$1,568,455	\$ -	\$ -	\$88,817,396

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 (5 months)	56,636,375	2,520,000	4,456,540	968,420	-	-	64,581,335
Life to Date	\$609,533,387	\$32,738,300	\$57,138,015	\$11,230,124	\$2,686,900	\$606,000	\$713,932,726
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 (5 months)	76,619,191	4,510,000	6,119,750	1,568,455	-	-	88,817,396
Life to Date	\$917,428,183	\$58,658,800	\$78,234,859	\$15,265,351	\$8,246,100	\$779,600	\$1,078,612,893

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 November 2, 2020. MBO transfers for Water totaling \$22.6 million have been transferred to accounts held by DWSD. The I&E transfer amount in November is different than the prior month due to corrections needed to adjust to approved budget levels. 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 November 2, 2020. MBO transfers for Sewer totaling \$40.4 million have been transferred to accounts held by DWSD. The I&E transfer amount in November is different than the prior month due to corrections needed to adjust to approved budget levels. 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				
	<u>Operations & Maintenance</u>	<u>Pension</u>	<u>Lease Payment (I&E Fund)</u>	<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
September 2020	2,986,158	356,000	1,139,808	4,481,966
October 2020	2,986,158	356,000	1,139,808	4,481,966
November 2020	2,986,158	356,000	1,366,478	4,708,636
Total FY 2021	\$14,930,790	\$1,780,000	\$5,925,710	\$22,636,500

Table 5 – DWSD FY 2021 Sewer MBO Transfers

SEWER				
	<u>Operations & Maintenance</u>	<u>Pension</u>	<u>Lease Payment (I&E Fund)</u>	<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
September 2020	5,826,308	238,000	2,109,017	8,173,325
October 2020	5,826,308	238,000	2,109,017	8,173,325
November 2020	5,826,308	238,000	1,665,102	7,729,410
Total FY 2021	\$29,131,540	\$1,190,000	\$10,101,170	\$40,422,710

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 (5 months)				
MBO/Lease Requirement	14,930,790	1,780,000	9,375,000	26,085,790
Offset to Debt Service	-	-	(3,449,290)	(3,449,290)
Net MBO Transfer	14,930,790	1,780,000	5,925,710	22,636,500
Life-to-Date				
MBO/Lease Requirement	179,919,194	23,121,100	121,875,000	324,915,294
Offsets	-	-	(15,171,390)	(15,171,390)
Total Water	179,919,194	23,121,100	106,703,610	309,743,904

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 (5 months)				
MBO/Lease Requirement	29,131,540	1,190,000	11,458,333	41,779,873
Offset to Debt Service	-	-	(1,357,163)	(1,357,163)
Total MBO Transfer	29,131,540	1,190,000	10,101,170	40,422,710
Life-to-Date				
MBO/Lease Requirement	270,070,852	15,481,800	148,958,333	434,510,985
Offsets	(7,100,000)	-	(39,963,027)	(47,063,027)
Total Sewer	262,970,852	15,481,800	108,995,306	387,447,958

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



This report includes the following:

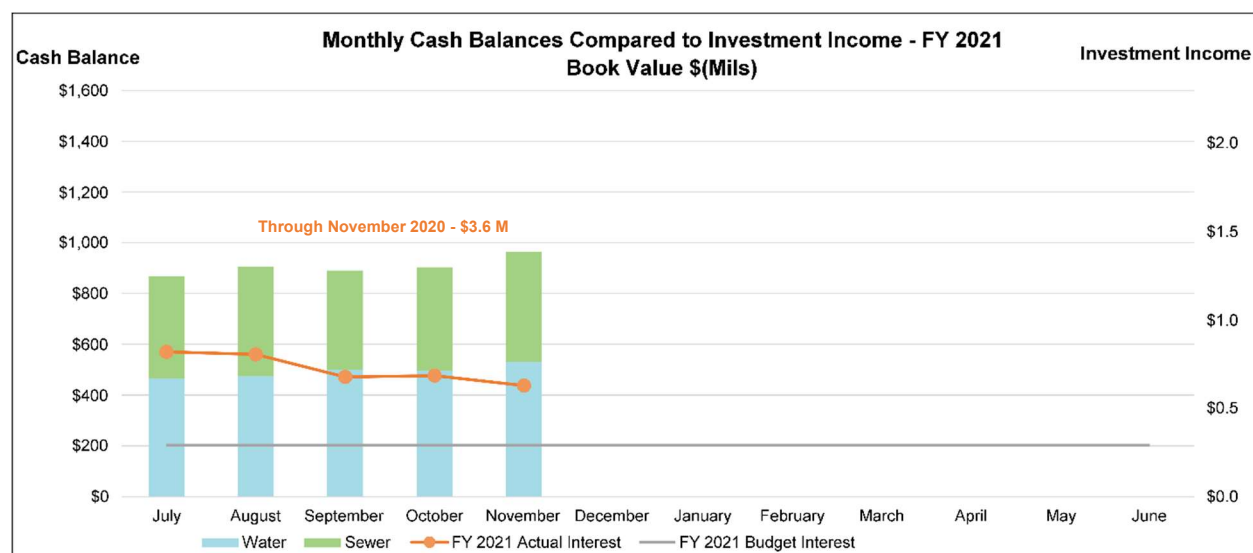
1. Monthly Cash Balances Compared to Investment Income
2. Cash Balance Detail

Monthly Cash Balances Compared to Investment Income

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

Cash and investment balances change each month based on Master Bond Ordinance (MBO) funding requirements, operational needs, capital spending pace, and mandatory debt payments. Investment income fluctuates monthly based on cash and investment balances as well as market conditions and investment strategy. For the month of November 2020, GLWA earned investment income of \$0.6 million and the cumulative FY2021 earnings through November is \$3.6 million.

Investment earnings for the remainder of the fiscal year are expected to significantly decline due to maturities of existing investments being reinvested into lower, current market rate investments. GLWA continues to refine cash flows and work with its investment advisor to identify strategies to maximize future investment income while meeting the objectives of safety and liquidity. Total investment income reported here includes earnings from revenue requirement funds as well as construction bond funds.

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


\$(Mils)	July	August	September	October	November	December	January	February	March	April	May	June
Water	\$464	\$473	\$499	497	530	-	-	-	-	-	-	-
Sewer	\$403	\$431	\$391	406	433	-	-	-	-	-	-	-
Total	\$867	\$904	\$890	903	963	-	-	-	-	-	-	-
Investment Income	\$0.8	\$0.8	\$0.7	\$0.7	\$0.6	-	-	-	-	-	-	-

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

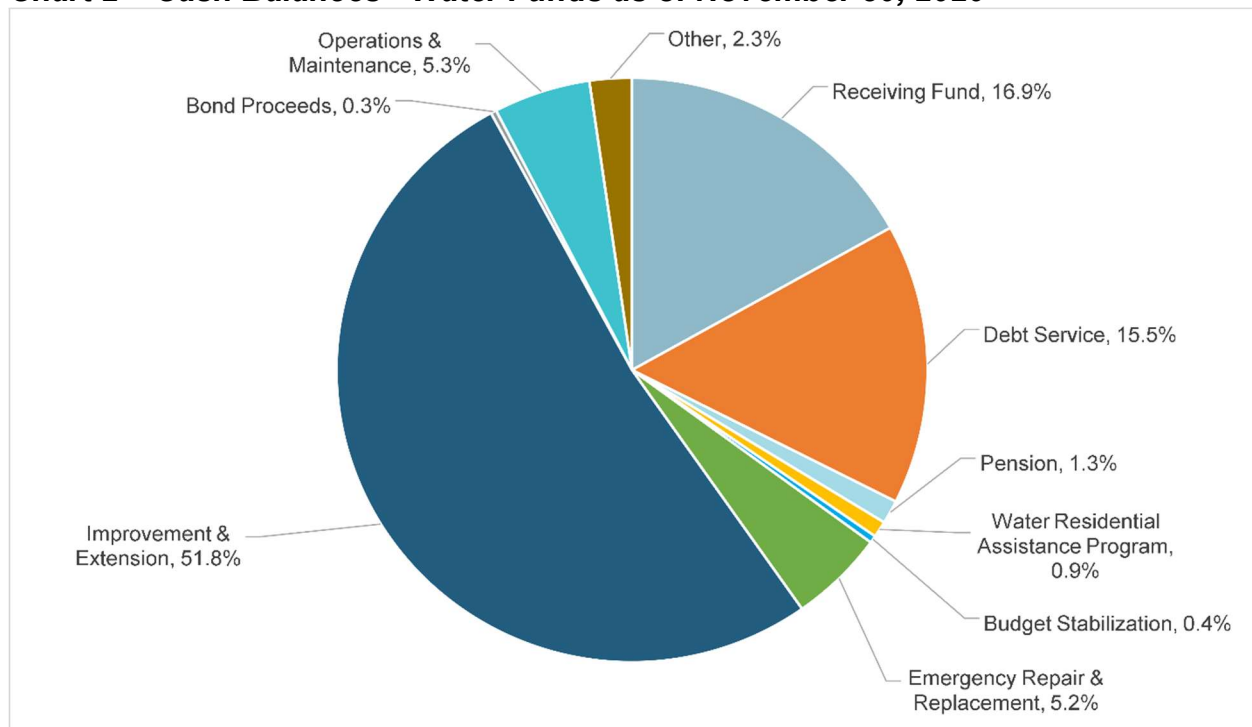
Funds Held Outside Trust:

- 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 November 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 November 30, 2020 is \$530 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 November 30, 2020

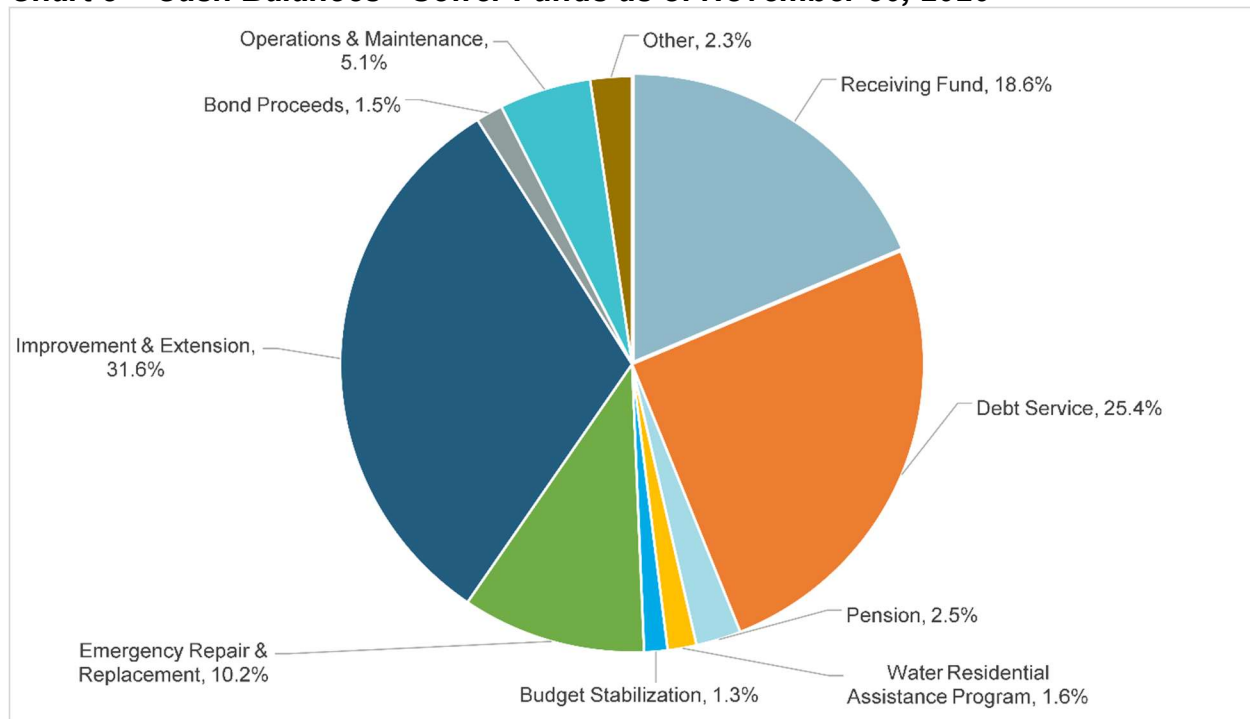


Note: Due to rounding totals may not equal 100%.

Chart 3 – Cash Balances - Sewer Funds as of November 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 November 30, 2020 is \$433 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 November 30, 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 November 30, 2020, the DWSD usage was at 92.85% of the budget and billed revenue was at 93.84% 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 - Original Budget		FY 2021 - Actual		FY 2021 - Variance		FY 2020 - Actuals	
	Volume	Revenue	Volume	Revenue (2)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	273,700	10,099,621	265,796	9,747,518	(7,904)	(352,103)	267,054	9,802,572
August	263,300	9,828,389	250,308	9,378,385	(12,992)	(450,004)	259,489	9,601,097
September	239,800	9,215,509	218,840	8,544,457	(20,960)	(671,052)	228,961	8,811,834
October	228,800	8,928,629	197,362	7,978,833	(31,438)	(949,796)	217,031	8,578,738
November	208,200	8,391,381	194,648	7,952,436	(13,552)	(438,945)	200,432	7,879,694
December	208,900	8,409,637					201,225	7,811,106
January	210,200	8,443,541					205,993	7,981,382
February	214,600	8,558,293					196,490	7,748,377
March	216,500	8,607,845					198,483	7,755,210
April	211,700	8,482,661					191,691	7,550,074
May	221,300	8,733,029					207,387	7,929,281
June	261,800	9,789,269					248,085	8,951,538
Total	2,758,800	107,487,800	1,126,954	43,601,629	(86,846)	(2,861,898)	2,622,321	100,400,903
Subtotals ytd	1,213,800	46,463,527	1,126,954	43,601,629	(86,846)	(2,861,898)		
Achievement of Budget			92.85%	93.84%				

(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
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%
September	9,031,966	8,610,801	421,165	4.89%
October	9,079,199	9,619,977	(540,778)	-5.62%
November	10,803,009	7,067,667	3,735,342	52.85%
Rolling, 12-Month Total	98,858,427	98,600,960		
Rolling, 12-Month Average	8,238,202	8,216,747		

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 November 30, 2020, the DWSD usage was at 92.24% of the budget and billed revenue was at 97.26% 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 - Original Budget		FY 2021 - Actual		FY 2021 - Variance		FY 2020 - Actuals	
	Volume	Revenue	Volume	Revenue (2)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	252,700	29,612,070	252,929	29,802,377	229	190,307	244,810	28,049,707
August	252,900	29,624,420	240,390	29,261,344	(12,510)	(363,076)	246,989	28,076,649
September	219,800	27,736,625	206,880	27,232,400	(12,920)	(504,225)	215,119	26,430,710
October	245,700	29,214,479	188,816	26,230,683	(56,884)	(2,983,796)	238,202	27,549,787
November	192,400	26,173,181	184,240	25,933,888	(8,160)	(239,293)	188,779	24,726,161
December	192,600	26,184,593					186,917	24,853,335
January	195,700	26,361,479					190,230	24,857,510
February	195,300	26,338,655					187,219	24,524,288
March	192,100	26,279,396					186,521	24,784,918
April	188,900	25,973,471					180,397	24,538,664
May	195,300	26,338,655					192,362	25,035,540
June	245,560	29,206,491					238,679	27,572,637
Total	2,568,960	329,043,516	1,073,255	138,460,692	(90,245)	(3,900,084)	2,496,224	310,999,906
<i>Subtotals ytd</i>	<i>1,163,500</i>	<i>142,360,776</i>	<i>1,073,255</i>	<i>138,460,692</i>		<i>(3,900,084)</i>		
<i>Achievement of Budget/Goal</i>				<i>92.24%</i>		<i>97.26%</i>		

(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
December	25,889,823	19,612,154	6,277,669	32.01%
January	23,512,702	21,140,835	2,371,867	11.22%
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%
September	26,463,387	21,972,754	4,490,633	20.44%
October	26,683,109	26,321,010	362,099	1.38%
November	28,730,139	17,546,180	11,183,959	63.74%
Rolling 12-Month Total	279,638,523	257,608,408		
Rolling, 12-Month Average	23,303,210	21,467,367		

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 November 30, 2020 with comparative totals from November 30, 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	208,731	\$ 435.59	\$ 1,318,000	\$ 7,494,000	\$ 21,038,000	\$ 61,071,000	\$ 90,921,000
			1.4%	8.2%	23.1%	67.2%	100.0%
Commercial	20,659	1,335.57	7,161,000	2,311,000	5,345,000	12,775,000	27,592,000
			26.0%	8.4%	19.4%	46.3%	100.0%
Industrial	2,135	5,329.98	3,602,000	700,000	1,312,000	5,766,000	11,379,000
			31.7%	6.1%	11.5%	50.7%	100.0%
Tax Exempt	3,446	946.20	476,000	172,000	477,000	2,136,000	3,261,000
			14.6%	5.3%	14.6%	65.5%	100.0%
Government	59,454	325.37	4,515,000	1,517,000	4,155,000	9,157,000	19,344,000
			23.3%	7.8%	21.5%	47.3%	100.0%
Drainage	35,846	789.02	5,166,000	1,436,000	4,254,000	17,426,000	28,283,000
			18.3%	5.1%	15.0%	61.6%	100.0%
Subtotal - Active Accounts	330,271	\$ 547.37	\$ 22,239,000	\$ 13,629,000	\$ 36,582,000	\$ 108,330,000	\$ 180,780,000
			12.3%	7.5%	20.2%	59.9%	100.0%
Inactive Accounts	290,735	93.45	22,000	21,000	375,000	26,753,000	27,170,000
			0.1%	0.1%	1.4%	98.5%	100.0%
Total	621,006	\$ 334.86	\$ 22,261,000	\$ 13,650,000	\$ 36,956,000	\$ 135,083,000	\$ 207,950,000
% of Total A/R			10.7%	6.6%	17.8%	65.0%	100.0%
Water Fund	221,880	167.09	\$ 2,507,000	\$ 2,568,000	\$ 6,461,000	\$ 25,537,000	\$ 37,073,000
Sewer Fund	271,670	628.99	\$ 19,754,000	\$ 11,082,000	\$ 30,496,000	\$ 109,546,000	\$ 170,877,000
Total November 30, 2020 (a)	621,006	334.86	\$ 22,261,000	\$ 13,650,000	\$ 36,956,000	\$ 135,083,000	\$ 207,950,000
Water Fund- Allowance							\$ (29,005,000)
Sewer Fund- Allowance							\$ (115,431,000)
Total Bad Debt Allowance							\$ (144,436,000)
Comparative - November 2019 (b)	603,564	337.91	\$ 33,545,000	\$ 14,988,000	\$ 32,988,000	\$ 122,431,000	\$ 203,953,000
Difference (a) - (b)	17,442	(3.05)	\$ (11,285,000)	\$ (1,338,000)	\$ 3,968,000	\$ 12,652,000	\$ 3,998,000



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 November 30, 2020, the billed usage was at 106.68% of budget and billed revenue at 103.38% of budget. Billings and usage from the City of Flint are included as they were assumed in the FY 2021 Budget. This schedule has been updated to reflect the most recent, Board-approved budget amendments.

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 2021 Wholesale Water Billings Report

WHOLESALE WATER CHARGES								
Month (1)	FY 2021 - Original Budget		FY 2021 - Amended Budget		FY 2021 - Actual		FY 2021 - Variance	
	Volume	Revenue	Volume	Revenue	Volume	Revenue (2)	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	1,639,200	31,200,300	1,639,200	31,200,500	1,862,791	33,583,619	223,591	2,383,119
August	1,491,400	29,822,200	1,491,400	29,826,800	1,622,324	31,230,027	130,924	1,403,227
September	1,331,600	27,852,100	1,331,600	27,851,500	1,313,440	27,836,560	(18,160)	(14,940)
October	1,034,400	25,773,900	1,034,400	25,055,600	1,070,660	25,454,840	36,260	399,240
November	901,700	24,557,700	901,700	23,897,700	956,542	24,390,303	54,842	492,603
December	982,100	25,189,000	982,100	24,506,200				
January	985,300	25,260,100	985,300	25,263,400				
February	884,200	24,344,600	884,200	24,348,400				
March	984,200	25,208,400	984,200	25,213,400				
April	912,200	24,593,900	912,200	24,594,700				
May	1,032,900	25,895,100	1,032,900	25,896,800				
June	1,373,700	29,502,100	1,373,700	29,463,900				
Total	13,552,900	319,199,400	13,552,900	317,118,900	6,825,757	142,495,349	427,457	4,663,249
Subtotals ytd	6,398,300	139,206,200	6,398,300	137,832,100	6,825,757	142,495,349	427,457	3,289,149
Achievement of Budget					106.68%	103.38%		

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

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

Table 2 - Wholesale Water Collections

Water				
Month	Current Year	Prior Year	Variance	Ratio
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%
September	26,078,015	28,336,152	(2,258,137)	-7.97%
October	29,292,690	25,786,774	3,505,916	13.60%
November	32,218,822	29,245,969	2,972,853	10.17%
Rolling 12-Month Total	307,089,063	307,128,149		
Rolling, 12-Month Average	25,590,755	25,594,012		

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 November 30, 2020 the billed revenue is at 100.00% of budget. This schedule has been updated to reflect the most recent, Board-approved budget amendments.

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 2021 Wholesale Sewer Billings Report

WHOLESALE SEWER CHARGES								
Month (1)	FY 2021 - Original Budget		FY 2021 - Amended Budget		FY 2021 - Actual		FY 2021 - Variance	
	Volume (2)	Revenue	Volume (2)	Revenue	Volume (2)	Revenue	Volume (2)	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	N/A	22,323,183	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	22,323,183	N/A	-
September	N/A	22,323,183	N/A	22,323,183	N/A	22,323,183	N/A	-
October	N/A	22,323,183	N/A	22,323,183	N/A	22,323,183	N/A	-
November	N/A	22,323,183	N/A	22,323,183	N/A	22,323,183	N/A	-
December	N/A	22,323,183	N/A	22,323,183	N/A	22,323,183	N/A	-
January	N/A	23,005,800	N/A	22,633,025	N/A	22,633,025	N/A	-
February	N/A	23,005,800	N/A	22,633,025	N/A	22,633,025	N/A	-
March	N/A	23,005,800	N/A	22,633,025	N/A	22,633,025	N/A	-
April	N/A	23,005,800	N/A	22,633,025	N/A	22,633,025	N/A	-
May	N/A	23,005,800	N/A	22,633,025	N/A	22,633,025	N/A	-
June	N/A	23,005,800	N/A	22,633,025	N/A	22,633,025	N/A	-
Total		271,973,898		269,737,248		111,615,915		-
Subtotals ytd		111,615,915		111,615,915		111,615,915		-
Achievement of Budget						100.00%		

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

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

Table 4 - Wholesale Sewer Collections

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
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%
August	25,354,280	35,153,500	(9,799,220)	-27.88%
September	19,593,613	18,833,257	760,356	4.04%
October	16,853,983	29,833,760	(12,979,777)	-43.51%
November	18,966,208	19,428,000	(461,792)	-2.38%
Rolling 12-Month Total	244,392,201	283,196,683		
Rolling, 12-Month Average	20,366,017	23,599,724		

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 November 30, 2020, Highland Park had a delinquent balance of \$45.5 million, including \$34.7 million for wastewater treatment services, \$1.7 million for industrial waste control services, and \$9.1 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 November 30, 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
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
September 2020 Billing	105,628	472,500	3,835	581,963
September 2020 Payments	-	(296,930)	-	(296,930)
September 30, 2020 Balance	8,844,027	33,746,547	1,733,841	44,324,415
October 2020 Billing	105,071	472,500	3,862	581,433
October 2020 Payments	-	-	-	-
October 31, 2020 Balance	8,949,098	34,219,047	1,737,703	44,905,848
November 2020 Billing	98,963	472,500	3,929	575,392
November 2020 Payments	-	-	-	-
November 30, 2020 Balance	9,048,061	34,691,547	1,741,632	45,481,240

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 November 30, 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. One member partner contract dispute accounts for \$850 thousand of the current Water past due balance.

Remaining Water, Sewer and IWC past due balances relate to several member partner communities that are still catching up from COVID business interruptions as well as noticeable delays in mail service. GLWA staff is working with each member partner to identify the source of the delay and resolve. The GLWA Treasury team is also exploring possible payment method alternatives to address current mail service challenges.

The pollutant surcharge past due includes \$28 thousand relates to a bankruptcy that is currently pending further court action. GLWA staff continue to focus on collection efforts for these customers as appropriate in the current pandemic environment.

Table 6 - Wholesale Accounts Receivable Aging Report Summary

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 46,181,861.92	\$ 36,217,475.18	\$ 1,095,102.19	\$ 235,209.95	\$ 8,634,074.60
Sewer	\$ 61,917,703.37	\$ 27,680,356.70	\$ 490,800.00	\$ 472,500.00	\$ 33,274,046.67
IWC	\$ 2,319,353.17	\$ 579,014.98	\$ 6,776.19	\$ -	\$ 1,733,562.00
Pollutant Surcharge	\$ 738,682.48	\$ 683,835.61	\$ 12,913.94	\$ 5,447.50	\$ 36,485.43
Total	\$ 111,157,600.94	\$ 65,160,682.47	\$ 1,605,592.32	\$ 713,157.45	\$ 43,678,168.70
	100.00%	58.62%	1.44%	0.64%	39.29%

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

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 37,133,800.74	\$ 36,013,440.79	\$ 989,474.62	\$ 130,885.33	\$ -
Sewer	\$ 27,226,156.70	\$ 27,207,856.70	\$ 18,300.00	\$ -	\$ -
IWC	\$ 577,721.42	\$ 571,224.08	\$ 2,941.58	\$ -	\$ 3,555.76
Pollutant Surcharge	\$ 738,682.48	\$ 683,835.61	\$ 12,913.94	\$ 5,447.50	\$ 36,485.43
Total	\$ 65,676,361.34	\$ 64,476,357.18	\$ 1,023,630.14	\$ 136,332.83	\$ 40,041.19
	100.00%	98.17%	1.56%	0.21%	0.06%

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 five months of activity to date.

Water fund receipts exceeded required disbursements by 15% through November 30, 2020 with a historical ratio of receipts exceeding required disbursements by 15% since January 1, 2016.

Sewer fund receipts exceeded required disbursements by 3% through November 30, 2020 with a historical ratio of receipts exceeding required disbursements by 6% since January 1, 2016.

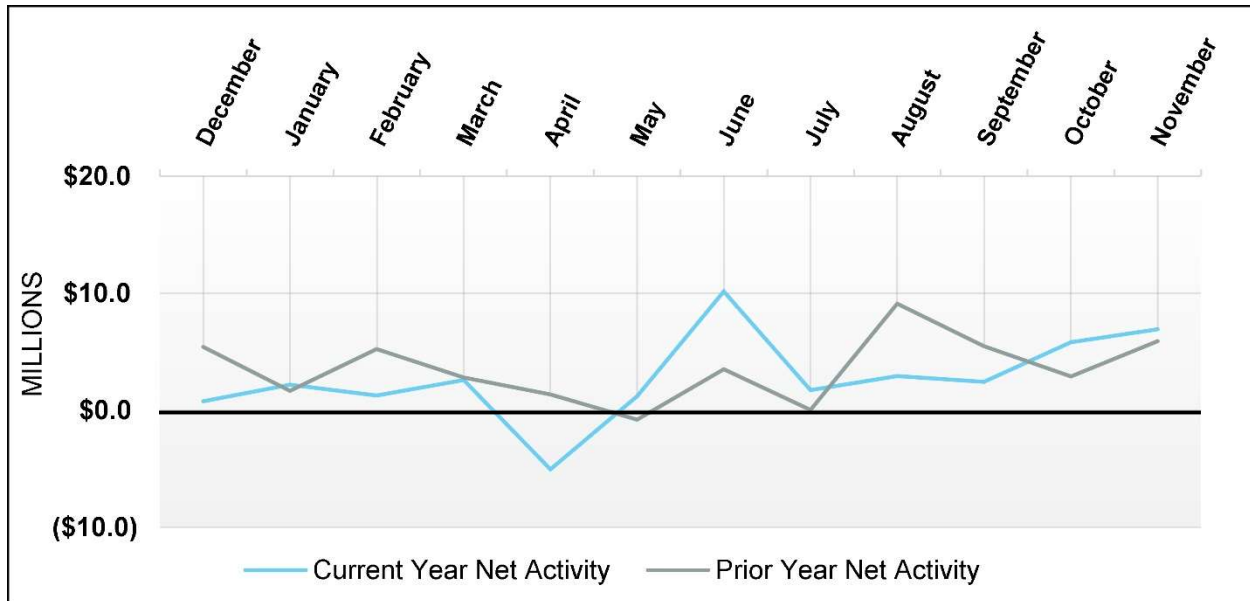
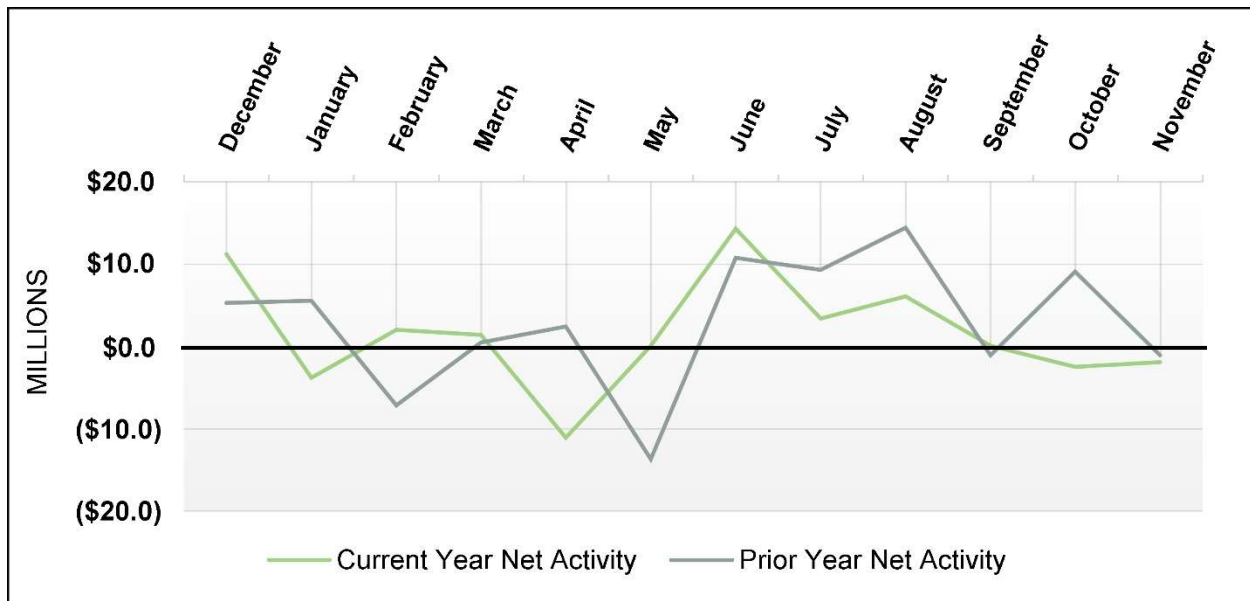
Chart 1 – GLWA 12-Month Net Receipts – Water outlines monthly cash receipt trends across two points of reference for the regional water system—current year and prior year. The black line at the zero highlights the minimum goal for net receipts.

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	FY 2021 Thru Nov 30	Life-to-Date Total
Water							
1 Receipts	\$ 149,688,711	\$ 352,941,909	\$ 338,452,001	\$ 336,594,234	\$ 332,606,196	\$ 150,328,750	\$ 1,660,611,801
2 MOU Adjustments	-	-	-	-	-	-	-
3 Adjusted Receipts	149,688,711	352,941,909	338,452,001	336,594,234	332,606,196	150,328,750	1,660,611,801
4 Disbursements	(146,256,185)	(288,777,985)	(297,064,810)	(289,230,481)	(296,190,425)	(130,587,265)	(1,448,107,151)
5 Receipts Net of Required	3,432,526	64,163,924	41,387,191	47,363,753	36,415,771	19,741,485	212,504,650
6 I&E Transfer	-	-	(25,739,700)	(47,695,000)	(25,719,751)	(8,449,833)	(107,604,284)
7 Net Receipts	\$ 3,432,526	\$ 64,163,924	\$ 15,647,491	\$ (331,247)	\$ 10,696,020	\$ 11,291,652	\$ 104,900,366
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	102%	122%	114%	116%	112%	115%	115%
Sewer							
9 Receipts	\$ 232,377,715	\$ 469,788,882	\$ 476,269,761	\$ 467,743,744	\$ 490,461,356	\$ 189,758,340	\$ 2,326,399,798
10 MOU Adjustments	-	-	-	-	-	-	-
11 Adjusted Receipts	232,377,715	469,788,882	476,269,761	467,743,744	490,461,356	189,758,340	2,326,399,798
12 Disbursements	(219,538,325)	(441,443,340)	(458,903,335)	(453,406,636)	(445,604,952)	(184,563,263)	(2,203,459,851)
13 Receipts Net of Required	12,839,390	28,345,542	17,366,426	14,337,108	44,856,404	5,195,077	122,939,947
14 I&E Transfer	-	-	(22,698,100)	(22,547,700)	(19,096,200)	(8,443,866)	(72,785,866)
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	7,503,906	34,413,930
17 Net Receipts	\$ 11,553,924	\$ 331,008	\$ (29,444,708)	\$ 1,156,763	\$ 43,302,873	\$ 4,255,117	\$ 31,154,977
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	106%	106%	104%	103%	110%	103%	106%
Combined							
19 Receipts	\$ 382,066,426	\$ 822,730,791	\$ 814,721,762	\$ 804,337,978	\$ 823,067,552	\$ 340,087,090	\$ 3,987,011,599
20 MOU Adjustments	-	-	-	-	-	-	-
21 Adjusted Receipts	382,066,426	822,730,791	814,721,762	804,337,978	823,067,552	340,087,090	3,987,011,599
22 Disbursements	(365,794,510)	(730,221,325)	(755,968,145)	(742,637,117)	(741,795,377)	(315,150,528)	(3,651,567,002)
23 Receipts Net of Required	16,271,916	92,509,466	58,753,617	61,700,861	81,272,175	24,936,562	335,444,597
24 I&E Transfer	-	-	(48,437,800)	(70,242,700)	(44,815,951)	(16,893,699)	(180,390,150)
25 Shortfall Advance	(1,285,466)	(28,014,534)	(24,113,034)	-	-	-	(53,413,034)
26 Shortfall Repayment	-	-	-	9,367,355	17,542,669	7,503,906	34,413,930
27 Net Receipts	\$ 14,986,450	\$ 64,494,932	\$ (13,797,217)	\$ 825,516	\$ 53,998,893	\$ 15,546,769	\$ 136,055,343
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	104%	113%	108%	108%	111%	108%	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 five months of activity to date.

Water fund receipts exceeded required disbursements by 5% through November 30, 2020 with a historical ratio of net receipts exceeding required disbursements by 2% since January 1, 2016.

Sewer fund receipts exceeded required disbursements by 1% through November 30, 2020 with a historic ratio of receipts falling short of required disbursements by 5% 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	FY 2021 Thru Nov 30	Life-to-Date Total
Water							
1 Receipts	\$ 26,201,881	\$ 96,451,105	\$ 101,233,147	\$ 99,868,219	\$ 96,885,723	\$ 44,067,810	\$ 464,707,885
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	44,067,810	483,153,985
4 Disbursements	(47,809,552)	(93,066,144)	(93,049,457)	(97,694,600)	(97,823,097)	(42,041,046)	(471,483,896)
5 Receipts Net of Required	(3,161,571)	3,384,961	8,183,690	2,173,619	(937,374)	2,026,764	11,670,089
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)	\$ 2,026,764	\$ 3,263,009
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	93%	104%	109%	102%	99%	105%	102%
Sewer							
9 Receipts	\$ 65,256,734	\$ 233,723,367	\$ 242,104,791	\$ 265,339,797	\$ 264,689,559	\$ 124,924,123	\$1,196,038,371
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	124,924,123	1,258,320,671
12 Disbursements	(122,297,300)	(261,963,973)	(266,217,825)	(271,018,306)	(275,507,374)	(123,450,146)	(1,320,454,924)
13 Receipts Net of Required	(1,285,466)	(28,240,606)	(24,113,034)	848,691	(10,817,815)	1,473,977	(62,134,253)
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)	\$ 1,473,977	\$ (8,721,219)
17 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	99%	89%	91%	100%	96%	101%	95%
Combined							
18 Receipts	\$ 91,458,615	\$ 330,174,472	\$ 343,337,938	\$ 365,208,016	\$ 361,575,282	\$ 168,991,933	\$1,660,746,256
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	168,991,933	1,741,474,656
21 Disbursements	(170,106,852)	(355,030,117)	(359,267,282)	(368,712,906)	(373,330,471)	(165,491,192)	(1,791,938,820)
22 Receipts Net of Required	(4,447,037)	(24,855,645)	(15,929,344)	3,022,310	(11,755,189)	3,500,741	(50,464,164)
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)	\$ 3,500,741	\$ (5,458,210)
26 <i>Ratio of Receipts to Required Disbursements (Line 20/Line 21)</i>	97%	93%	96%	101%	97%	102%	97%

(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
09-02-20	Payment for September 2020	837,446	7,667,754
10-05-20	Payment for October 2020	840,325	6,827,429
11-03-20	Payment for November 2020	843,214	5,984,216
		23,315,784	5,984,216

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
09-02-20	Payment for September 2020	837,446	29,237	866,683
10-05-20	Payment for October 2020	840,325	26,358	866,683
11-03-20	Payment for November 2020	843,214	23,469	866,683
		23,315,785	1,826,510	25,142,295

Table 5 – FY 2018 DWSD Loan Receivable – Sewer

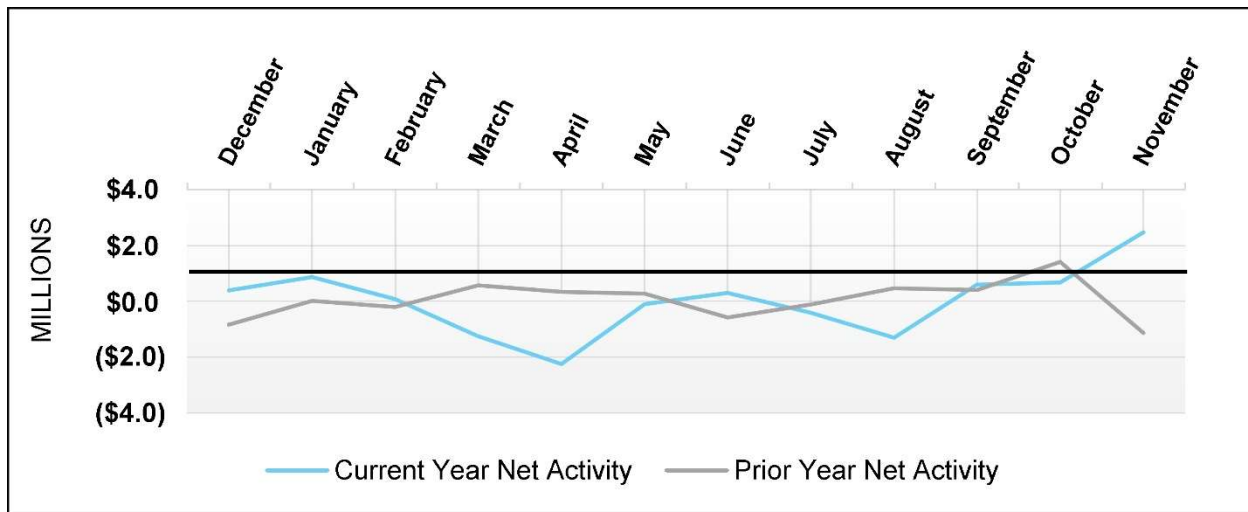
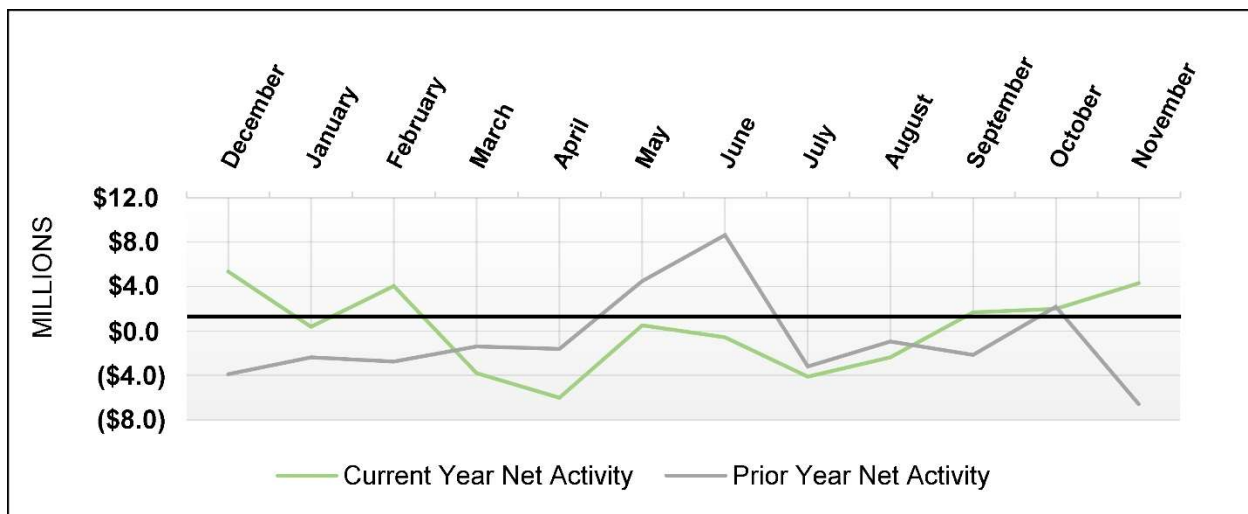
Date	Transaction	Amount	Balance
06-30-19	Record Loan Receivable		24,113,034
07-15-19	Payment for July 2019	638,978	23,474,056
08-08-19	Payment for August 2019	640,686	22,833,370
09-06-19	Payment for September 2019	642,400	22,190,970
10-02-19	Payment for October 2019	644,118	21,546,852
11-04-19	Payment 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
09-02-20	Payment for September 2020	663,320	14,346,855
10-05-20	Payment for October 2020	665,094	13,681,761
11-03-20	Payment for November 2020	666,873	13,014,888
		11,098,146	13,014,888

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
09-02-20	Payment for September 2020	663,320	40,140	703,460
10-05-20	Payment for October 2020	665,094	38,366	703,460
11-03-20	Payment for November 2020	666,873	36,587	703,460
		11,098,146	860,674	11,958,820

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
09-30-20	7,667,754	14,346,855	22,014,610
10-31-20	6,827,429	13,681,761	20,509,190
11-30-20	5,984,216	13,014,888	18,999,104

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 five months of activity to date.

Water fund net receipts exceeded required disbursements by 13% through November 30, 2020 with a historical ratio of receipts exceeding required disbursements by 12% since January 1, 2016.

Sewer fund receipts exceeded required disbursements by 2% through November 30, 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	FY 2021 Thru Nov 30	Life-to-Date Total
Water							
1 Receipts	\$ 175,890,592	\$ 449,393,014	\$ 439,685,148	\$ 436,462,453	\$ 429,491,919	\$ 194,396,560	\$2,125,319,686
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	194,396,560	2,143,765,786
4 Disbursements	(194,065,737)	(381,844,129)	(390,114,267)	(386,925,081)	(394,013,522)	(172,628,311)	(1,919,591,047)
5 Receipts Net of Required	270,955	67,548,885	49,570,881	49,537,372	35,478,397	21,768,249	224,174,739
6 I&E Transfer	-	-	(25,739,700)	(56,102,080)	(25,719,751)	(8,449,833)	(116,011,364)
7 Net Receipts	\$ 270,955	\$ 67,548,885	\$ 23,831,181	\$ (6,564,708)	\$ 9,758,646	\$ 13,318,416	\$ 108,163,375
8 Ratio of Receipts to Required Disbursements (Line 3/Line 4)	100%	118%	113%	113%	109%	113%	112%
Sewer							
9 Receipts	\$ 297,634,449	\$ 703,512,249	\$ 718,374,552	\$ 733,083,541	\$ 755,150,915	\$ 314,682,463	\$3,522,438,169
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	314,682,463	3,584,720,469
12 Disbursements	(341,835,625)	(703,407,313)	(725,121,160)	(724,424,942)	(721,112,326)	(308,013,409)	(3,523,914,775)
13 Receipts Net of Required	11,553,924	104,936	(6,746,608)	15,185,799	34,038,589	6,669,054	60,805,694
14 I&E Transfer	-	-	(22,698,100)	(22,547,700)	(19,096,200)	(8,443,866)	(72,785,866)
15 Shortfall Advance	-	-	-	-	-	-	-
16 Shortfall Repayment (principal)	-	-	-	9,367,355	17,542,669	7,503,906	34,413,930
17 Net Receipts	\$ 11,553,924	\$ 104,936	\$ (29,444,708)	\$ (7,361,901)	\$ 32,485,058	\$ 5,729,094	\$ 22,433,759
18 Ratio of Receipts to Required Disbursements (Line 11/Line 12)	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	\$ 509,079,023	\$5,647,757,855
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	509,079,023	5,728,486,255
22 Disbursements	(535,901,362)	(1,085,251,442)	(1,115,235,427)	(1,111,350,023)	(1,115,125,848)	(480,641,720)	(5,443,505,822)
23 Receipts Net of Required	11,824,879	67,653,821	42,824,273	64,723,171	69,516,986	28,437,303	284,980,433
24 I&E Transfer	-	-	(48,437,800)	(78,649,780)	(44,815,951)	(16,893,699)	(188,797,230)
25 Shortfall Advance	-	-	-	-	-	-	-
26 Shortfall Repayment	-	-	-	9,367,355	17,542,669	7,503,906	34,413,930
27 Net Receipts	\$ 11,824,879	\$ 67,653,821	\$ (5,613,527)	\$ (4,559,254)	\$ 42,243,704	\$ 19,047,510	\$ 130,597,134
28 Ratio of Receipts to Required Disbursements (Line 21/Line 22)	102%	106%	104%	106%	106%	106%	105%

APPENDIX

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$224,381.93	\$224,381.93	\$0.00	\$0.00	\$0.00
ALMONT VILLAGE	\$40,205.08	\$40,205.08	\$0.00	\$0.00	\$0.00
ASH TOWNSHIP	\$66,928.12	\$66,928.12	\$0.00	\$0.00	\$0.00
BELLEVILLE	\$53,619.39	\$53,619.39	\$0.00	\$0.00	\$0.00
BERLIN TOWNSHIP	\$59,994.32	\$59,994.32	\$0.00	\$0.00	\$0.00
BROWNSTOWN TOWNSHIP	\$284,274.03	\$284,274.03	\$0.00	\$0.00	\$0.00
BRUCE TOWNSHIP	\$58,145.69	\$58,145.69	\$0.00	\$0.00	\$0.00
BURTCHVILLE TOWNSHIP	\$31,513.88	\$31,513.88	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$829,916.99	\$829,916.99	\$0.00	\$0.00	\$0.00
CENTER LINE	\$39,378.43	\$39,378.43	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$348,911.08	\$348,911.08	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$1,275,781.35	\$1,275,781.35	\$0.00	\$0.00	\$0.00
COMMERCE TOWNSHIP	\$620,912.65	\$620,912.65	\$0.00	\$0.00	\$0.00
DEARBORN	\$3,060,155.24	\$2,199,230.94	\$735,369.79	\$125,554.51	\$0.00
DEARBORN HEIGHTS	\$298,454.83	\$298,454.83	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$127,763.60	\$127,763.60	\$0.00	\$0.00	\$0.00
ECORSE	\$113,226.86	\$113,226.86	\$0.00	\$0.00	\$0.00
FARMINGTON	\$82,719.27	\$82,719.27	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$1,462,169.30	\$1,462,169.30	\$0.00	\$0.00	\$0.00
FERNDAL	\$176,737.52	\$176,737.52	\$0.00	\$0.00	\$0.00
FLAT ROCK	\$105,336.64	\$105,336.64	\$0.00	\$0.00	\$0.00
FLINT	\$324,487.11	\$324,487.11	\$0.00	\$0.00	\$0.00
FRASER	\$97,801.44	\$97,801.44	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
GARDEN CITY	\$141,858.65	\$141,858.65	\$0.00	\$0.00	\$0.00
GIBALTAR	\$27,562.26	\$27,562.26	\$0.00	\$0.00	\$0.00
GROSSE ILE TOWNSHIP	\$88,273.71	\$88,273.71	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$413,024.73	\$260,975.98	\$152,048.75	\$0.00	\$0.00
GROSSE POINTE SHORES	\$50,993.66	\$50,993.66	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$121,791.06	\$121,791.06	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$137,991.04	\$132,476.53	\$5,514.51	\$0.00	\$0.00
HARPER WOODS	\$210,581.60	\$136,409.09	\$68,841.69	\$5,330.82	\$0.00
HARRISON TWP	\$126,525.71	\$126,525.71	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$60,154.93	\$60,154.93	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$9,048,061.18	\$204,034.39	\$105,627.57	\$104,324.62	\$8,634,074.60
HURON TOWNSHIP	\$121,245.53	\$121,245.53	\$0.00	\$0.00	\$0.00
IMLAY CITY	\$266,033.99	\$266,033.99	\$0.00	\$0.00	\$0.00
IMLAY TOWNSHIP	\$1,262.37	\$1,262.37	\$0.00	\$0.00	\$0.00
INKSTER	\$103,217.43	\$103,217.43	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$49,701.97	\$49,701.97	\$0.00	\$0.00	\$0.00
LAPEER	\$130,507.16	\$130,507.16	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$71,355.50	\$46,800.90	\$24,554.60	\$0.00	\$0.00
LINCOLN PARK	\$194,123.26	\$194,123.26	\$0.00	\$0.00	\$0.00
LIVONIA	\$896,917.00	\$896,917.00	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$983,460.04	\$983,460.04	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$151,546.92	\$151,546.92	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MAYFIELD TOWNSHIP	\$9,453.68	\$6,308.40	\$3,145.28	\$0.00	\$0.00
MELVINDALE	\$52,049.53	\$52,049.53	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$29,552.34	\$29,552.34	\$0.00	\$0.00	\$0.00
NOCWA	\$3,717,912.80	\$3,717,912.80	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$69,952.29	\$69,952.29	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$442,725.45	\$442,725.45	\$0.00	\$0.00	\$0.00
NOVI	\$716,713.28	\$716,713.28	\$0.00	\$0.00	\$0.00
OAK PARK	\$114,128.95	\$114,128.95	\$0.00	\$0.00	\$0.00
OAKLAND CO DR COM	\$11,620.03	\$11,620.03	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$188,151.93	\$188,151.93	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$346,881.23	\$346,881.23	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$259,131.44	\$259,131.44	\$0.00	\$0.00	\$0.00
RIVER ROUGE	\$57,122.73	\$57,122.73	\$0.00	\$0.00	\$0.00
RIVERVIEW	\$148,831.78	\$148,831.78	\$0.00	\$0.00	\$0.00
ROCKWOOD	\$23,494.00	\$23,494.00	\$0.00	\$0.00	\$0.00
ROMEO	\$19,692.83	\$19,692.83	\$0.00	\$0.00	\$0.00
ROMULUS	\$358,650.64	\$358,650.64	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$257,878.33	\$257,878.33	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$32,411.97	\$32,411.97	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$2,570,850.18	\$2,570,850.18	\$0.00	\$0.00	\$0.00
SOCWA	\$3,916,204.51	\$3,916,204.51	\$0.00	\$0.00	\$0.00
SOUTH ROCKWOOD	\$9,374.86	\$9,374.86	\$0.00	\$0.00	\$0.00
SOUTHGATE	\$170,988.76	\$170,988.76	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ST. CLAIR COUNTY-GREENWOOD T	\$48,241.14	\$48,241.14	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$253,081.28	\$253,081.28	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$1,265,876.22	\$1,265,876.22	\$0.00	\$0.00	\$0.00
SUMPTER TOWNSHIP	\$56,655.23	\$56,655.23	\$0.00	\$0.00	\$0.00
SYLVAN LAKE	\$19,170.57	\$19,170.57	\$0.00	\$0.00	\$0.00
TAYLOR	\$379,770.44	\$379,770.44	\$0.00	\$0.00	\$0.00
TRENTON	\$278,785.57	\$278,785.57	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$1,110,397.55	\$1,110,397.55	\$0.00	\$0.00	\$0.00
UTICA	\$44,315.85	\$44,315.85	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$278,913.28	\$278,913.28	\$0.00	\$0.00	\$0.00
WALLED LAKE	\$134,738.29	\$134,738.29	\$0.00	\$0.00	\$0.00
WARREN	\$843,961.28	\$843,961.28	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$182,490.93	\$182,490.93	\$0.00	\$0.00	\$0.00
WAYNE	\$270,910.88	\$270,910.88	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$1,729,873.78	\$1,729,873.78	\$0.00	\$0.00	\$0.00
WESTLAND	\$505,614.51	\$505,614.51	\$0.00	\$0.00	\$0.00
WIXOM	\$202,379.60	\$202,379.60	\$0.00	\$0.00	\$0.00
WOODHAVEN	\$136,587.93	\$136,587.93	\$0.00	\$0.00	\$0.00
YCUA	\$1,737,319.60	\$1,737,319.60	\$0.00	\$0.00	\$0.00
TOTAL WATER ACCOUNTS	\$46,181,861.92	\$36,217,475.18	\$1,095,102.19	\$235,209.95	\$8,634,074.60

GLWA Aged Accounts Receivable- SEWER ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$71,200.00	\$71,200.00	\$0.00	\$0.00	\$0.00
CENTER LINE	\$86,099.50	\$86,099.50	\$0.00	\$0.00	\$0.00
DEARBORN	\$1,625,200.00	\$1,625,200.00	\$0.00	\$0.00	\$0.00
EVERGREEN-FARMINGTON	\$2,903,300.00	\$2,903,300.00	\$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	\$151,000.00	\$151,000.00	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$332,900.00	\$332,900.00	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$36,600.00	\$18,300.00	\$18,300.00	\$0.00	\$0.00
HIGHLAND PARK	\$34,691,546.67	\$472,500.00	\$472,500.00	\$472,500.00	\$33,274,046.67
MELVINDALE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OAKLAND COUNTY GWK DD	\$3,772,000.00	\$3,772,000.00	\$0.00	\$0.00	\$0.00
OMID	\$11,638,457.20	\$11,638,457.20	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$21,900.00	\$21,900.00	\$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	\$61,917,703.37	\$27,680,356.70	\$490,800.00	\$472,500.00	\$33,274,046.67

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 11/30/20

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	\$3,004.82	\$3,004.82	\$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)	\$9,232.47	\$4,640.74	\$2,273.05	\$0.00	\$2,318.68
BIRMINGHAM (SEOC)	\$ (18.59)	\$ (18.59)	\$0.00	\$0.00	\$0.00
BLOOMFIELD HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BLOOMFIELD TOWNSHIP	\$7,206.16	\$7,206.16	\$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	\$11,799.58	\$11,799.58	\$0.00	\$0.00	\$0.00
CITY OF FARMINGTON (E-F)	\$190.97	\$190.97	\$0.00	\$0.00	\$0.00
CITY OF FERNDALE	\$8,466.90	\$8,466.90	\$0.00	\$0.00	\$0.00
CITY OF ROCHESTER	\$3,540.55	\$3,540.55	\$0.00	\$0.00	\$0.00
CLARKSTON (C-O) ADMIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLAWSON	\$2,626.26	\$2,626.26	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$49,736.70	\$49,736.70	\$0.00	\$0.00	\$0.00
DEARBORN	\$70,293.86	\$70,293.86	\$0.00	\$0.00	\$0.00
DEARBORN HEIGHTS	\$17,265.04	\$17,265.04	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$101.40	\$101.40	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
EASTPOINTE	\$6,154.98	\$6,154.98	\$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	\$4,715.20	\$4,715.20	\$0.00	\$0.00	\$0.00
GARDEN CITY	\$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	\$1,985.75	\$1,985.75	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$1,123.85	\$1,123.85	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$324.48	\$324.48	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$2,458.95	\$2,458.95	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$7,936.24	\$7,936.24	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$1,754.22	\$1,754.22	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$3,035.24	\$3,035.24	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$3,153.54	\$3,153.54	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$1,741,631.75	\$7,790.90	\$3,834.61	\$0.00	\$1,730,006.24
HUNTINGTON WOODS	\$272.09	\$272.09	\$0.00	\$0.00	\$0.00
INDEPENDENCE (C-O) ADMIN	\$2,343.60	\$2,343.60	\$0.00	\$0.00	\$0.00
INKSTER	\$10,572.64	\$10,572.64	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LAKE ORION	\$1,527.76	\$1,527.76	\$0.00	\$0.00	\$0.00
LATHRUP	\$1,336.79	\$1,336.79	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$618.54	\$618.54	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
LIVONIA	\$38,373.14	\$38,373.14	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$196.04	\$196.04	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MELVINDALE	\$3,342.82	\$3,342.82	\$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	\$16,778.32	\$16,778.32	\$0.00	\$0.00	\$0.00
OAK PARK	\$6,705.92	\$6,705.92	\$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)	\$3,756.87	\$3,756.87	\$0.00	\$0.00	\$0.00
ORION TOWNSHIP (C-O) ADMIN	\$1,396.36	\$942.46	\$453.90	\$0.00	\$0.00
OXFORD TOWNSHIP	\$2,055.04	\$2,055.04	\$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	\$130.13	\$130.13	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$14,015.29	\$14,015.29	\$0.00	\$0.00	\$0.00
ROCHESTER HILLS	\$17,601.35	\$17,601.35	\$0.00	\$0.00	\$0.00
ROMULUS	\$880.49	\$880.49	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$13,913.77	\$13,913.77	\$0.00	\$0.00	\$0.00
ROYAL OAK	\$26,367.38	\$26,358.93	\$8.45	\$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 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SHELBY TOWNSHIP	\$13,834.34	\$13,834.34	\$0.00	\$0.00	\$0.00
SOUTHFIELD (E-F)	\$54,304.77	\$54,304.77	\$0.00	\$0.00	\$0.00
SOUTHFIELD (SEOC)	\$7,605.00	\$7,605.00	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$30,254.38	\$30,254.38	\$0.00	\$0.00	\$0.00
TROY (E-F)	\$365.04	\$365.04	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$35,743.50	\$35,743.50	\$0.00	\$0.00	\$0.00
UTICA	\$2,881.45	\$2,881.45	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$5,440.11	\$3,996.85	\$206.18	\$0.00	\$1,237.08
VILLAGE OF FRANKLIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$1,385.80	\$1,385.80	\$0.00	\$0.00	\$0.00
WATERFORD TOWNSHIP DPW (ADM)	\$2,963.18	\$2,963.18	\$0.00	\$0.00	\$0.00
WAYNE	\$0.00	\$0.00	\$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	\$21,571.16	\$21,571.16	\$0.00	\$0.00	\$0.00
TOTAL IWC ACCOUNTS	\$2,319,353.17	\$579,014.98	\$6,776.19	\$0.00	\$1,733,562.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
3M COMPANY	\$3,786.95	\$3,786.95	\$0.00	\$0.00	\$0.00
A & R PACKING CO., LLC	\$3,512.96	\$3,512.96	\$0.00	\$0.00	\$0.00
AACTRON	\$344.35	\$85.54	\$0.00	\$71.40	\$187.41
ACADEMY PACKING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ACME RUSTPROOF	\$76.29	\$75.51	\$0.78	\$0.00	\$0.00
ADORING PET FUNERAL HOME	\$83.11	\$83.11	\$0.00	\$0.00	\$0.00
AEVITAS SPECIALITY SERVICES	\$1,636.43	\$1,153.97	\$482.46	\$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.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ATWATER IN THE PARK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AUTOMOTIVE FINISH	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AXLE BREWING COMPANY, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
B. NEKTAR MEADERY	\$0.65	\$0.65	\$0.00	\$0.00	\$0.00
BAFFIN BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BARON INDUSTRIES	\$2,003.41	\$1,316.13	\$0.00	\$687.28	\$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	\$554.40	\$184.80	\$0.00	\$0.00	\$369.60
BAYS MICHIGAN CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 11/30/20

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	\$34,292.00	\$34,292.00	\$0.00	\$0.00	\$0.00
BLACK LOTUS BREWING CO.	\$61.25	\$0.00	\$0.00	\$0.00	\$61.25
BOZEK'S MARKET	\$91.07	\$91.07	\$0.00	\$0.00	\$0.00
BREW DETROIT	\$9,151.91	\$5,197.07	\$3,954.84	\$0.00	\$0.00
BROADWAY MKT CORNED BEEF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BROOKS BREWING, LLC.	\$92.31	\$71.31	\$0.00	\$0.00	\$21.00
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	\$11.16	\$6.20	\$0.00	\$4.96	\$0.00
CF BURGER CREAMERY	\$18,602.83	\$18,602.83	\$0.00	\$0.00	\$0.00
CHILANGO'S BAKERY	\$1,802.28	\$35.39	\$17.69	\$16.09	\$1,733.11
CINTAS CORP. - MACOMB TWP.	\$33,058.54	\$33,058.54	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$36,291.68	\$36,291.68	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$11,969.80	\$11,969.80	\$0.00	\$0.00	\$0.00
CITY LAUNDRY, INC.	\$9.15	\$9.15	\$0.00	\$0.00	\$0.00
CLASSIC CONTAINER CORP.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COCA-COLA REFRESHMENTS USA,	\$1,607.93	\$1,607.93	\$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 11/30/20

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.	\$4,113.55	\$2,629.09	\$0.00	\$1,484.46	\$0.00
DARLING INGREDIENTS, INC.	\$7,746.67	\$7,746.67	\$0.00	\$0.00	\$0.00
DAVE'S SAUSAGE FACTORY 2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN BREWING	\$87.30	\$30.49	\$0.00	\$0.00	\$56.81
DEARBORN SAUSAGE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN SAUSAGE CO., INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT BEER CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT LINEN SERVICE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT RIVERTOWN BREWERY CC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT SAUSAGES CO INC	\$11.40	\$11.40	\$0.00	\$0.00	\$0.00
DETRONIC INDUSTRIES, INC.	\$49.64	\$49.64	\$0.00	\$0.00	\$0.00
DIFCO LABORATORIES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DIVERSIFIED CHEM TECH. INC.	\$233.95	\$233.95	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$5,890.21	\$5,890.21	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$2,282.07	\$2,282.07	\$0.00	\$0.00	\$0.00
DOWNEY BREWING COMPANY	\$15.75	\$15.75	\$0.00	\$0.00	\$0.00
E.W. GROBBEL'S SONS, INC.	\$4,681.52	\$4,681.52	\$0.00	\$0.00	\$0.00
EASTERN MARKET BREWING COMP	\$93.14	\$93.14	\$0.00	\$0.00	\$0.00
ENVIROSOLIDS, L.L.C.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$761.20	\$761.20	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
EQ DETROIT, INC.	\$9,014.93	\$9,014.93	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$78.88	\$78.88	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ETON ST BREWERY- GRIFFIN CLF	\$2,885.46	\$2,885.46	\$0.00	\$0.00	\$0.00
EXTRUDE HONE CORPORATION	\$196.31	\$196.31	\$0.00	\$0.00	\$0.00
EXTRUDEHODE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FARMINGTON BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FAYGO BEVERAGES, INC.	\$21,224.14	\$21,224.14	\$0.00	\$0.00	\$0.00
FIVES CINETIC CORP.	\$3,907.53	\$3,907.53	\$0.00	\$0.00	\$0.00
FORD NEW MODEL PROGRAM	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FOUNDERS BREWING COMPANY	\$106.67	\$44.21	\$0.00	\$0.00	\$62.46
FRESH-PAK	\$282.39	\$282.39	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
G2O ENERGY, LLC	\$4,863.39	\$3,545.60	\$1,317.79	\$0.00	\$0.00
GENERAL LINEN SUPPLY CO.	\$6,477.23	\$6,477.23	\$0.00	\$0.00	\$0.00
GLOBAL TITANIUM, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$ (21.89)	\$0.00	\$0.00	\$ (21.89)	\$0.00
GRANITE CITY FOOD & BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GREAT BARABOO BREWING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HACIENDA MEXICAN FOODS	\$2,848.72	\$1,165.57	\$652.26	\$830.93	\$199.96
HENKEL CORPORATION	\$141.32	\$141.32	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
HOME STYLE FOOD INC.	\$887.54	\$887.54	\$0.00	\$0.00	\$0.00
HOMEGROWN BREWING COMPANY	\$100.62	\$50.31	\$0.00	\$0.00	\$50.31
HOODS CLEANERS	\$211.33	\$0.00	\$0.00	\$0.00	\$211.33
HOUGHTON INTERNATIONAL INC.	\$935.05	\$436.36	\$498.69	\$0.00	\$0.00
HOUGHTON INTERNATIONAL INC.	\$1,367.24	\$885.17	\$482.07	\$0.00	\$0.00
HOUGHTON INTERNATIONAL INC.	\$12,920.19	\$9,017.95	\$3,902.24	\$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	\$1,295.28	\$784.27	\$511.01	\$0.00	\$0.00
ISLAMIC SLAUGHTER HOUSE	\$993.42	\$993.42	\$0.00	\$0.00	\$0.00
ITALIAN BUTTER BREAD STICKS	\$11.27	\$3.22	\$3.22	\$1.61	\$3.22
JAMEX BREWING CO.	\$115.06	\$38.50	\$0.00	\$0.00	\$76.56
KAR NUT PRODUCTS	\$1,129.43	\$1,129.43	\$0.00	\$0.00	\$0.00
KOWALSKI SAUSAGES, CO.	\$1,836.61	\$1,836.61	\$0.00	\$0.00	\$0.00
KUHNHENN BREWING	\$38.89	\$38.89	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$989.73	\$989.73	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$22.68	\$22.68	\$0.00	\$0.00	\$0.00
LEAR CORPORATION DBA EAGLE C	\$3,539.46	\$3,539.46	\$0.00	\$0.00	\$0.00
LIBERTY STREET PROD. BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LIFE TECHNOLOGIES	\$30,137.84	\$30,137.84	\$0.00	\$0.00	\$0.00
LILY'S SEAFOOD GRILL & BREWE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MACDERMID, INC.	\$2,112.11	\$2,112.11	\$0.00	\$0.00	\$0.00
MCCLURE'S PICKLES	\$692.44	\$685.52	\$6.92	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MCNICHOLS POLISHING & ANODIZ	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MELLO MEATS INC, - KUBISCH S	\$ (28.49)	\$0.00	\$ (28.49)	\$0.00	\$0.00
METROPOLITAN BAKERY	\$968.32	\$968.32	\$0.00	\$0.00	\$0.00
MIBA HYDRAMECHANICA CORP.	\$374.50	\$218.56	\$105.14	\$50.80	\$0.00
MICHIGAN DAIRY	\$158,415.89	\$158,415.89	\$0.00	\$0.00	\$0.00
MICHIGAN PROD. MACHINING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MICHIGAN SOY PRODUCTS CO.	\$592.71	\$592.71	\$0.00	\$0.00	\$0.00
MIDWEST WIRE PRODUCTS, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MILANO BAKERY	\$1,034.18	\$1,034.18	\$0.00	\$0.00	\$0.00
MILTON CHILI CO.	\$42.54	\$42.54	\$0.00	\$0.00	\$0.00
MINNIE MARIE BAKERS, INC	\$2,637.17	\$2,637.17	\$0.00	\$0.00	\$0.00
MISTER UNIFORM & MAT RENTALS	\$4.88	\$4.88	\$0.00	\$0.00	\$0.00
MOTOR CITY BREWING WORKS	\$1,741.92	\$161.88	\$752.50	\$0.00	\$827.54
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NEAPCO DRIVELINES	\$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 & MEA	\$37.69	\$37.69	\$0.00	\$0.00	\$0.00
OAKWOOD BAKERY	\$136.07	\$136.07	\$0.00	\$0.00	\$0.00
PARKER'S HILLTOP BREWER & SE	\$ (11.64)	\$0.00	\$0.00	\$0.00	\$ (11.64)
PELLERITO FOODS INC.	\$8.06	\$8.06	\$0.00	\$0.00	\$0.00
PEPSI COLA, INC.	\$12,737.19	\$12,737.19	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$64,729.33	\$64,729.33	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
PERDUE PREMIUM MEAT COMPANY	\$15,057.02	\$15,057.02	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$1,267.95	\$1,267.95	\$0.00	\$0.00	\$0.00
PERSONAL UNIFORM SERVICE, IN	\$11.09	\$11.09	\$0.00	\$0.00	\$0.00
PETRO ENVIRON TECH, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PINE TREE ACRES, INC.	\$23,985.31	\$23,985.31	\$0.00	\$0.00	\$0.00
PLATING SPEC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POWER VAC OF MICHIGAN, INC.	\$170.59	\$0.00	\$170.59	\$0.00	\$0.00
PREMIER PLATING, LLC	\$7,588.93	\$2,915.60	\$0.00	\$2,190.19	\$2,483.14
PRODUCTION SPRING, LLC.	\$ (202.76)	\$0.00	\$0.00	\$0.00	\$ (202.76)
QUALA SERVICES, LLC	\$945.52	\$945.52	\$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	\$12.73	\$12.73	\$0.00	\$0.00	\$0.00
RIVER ROUGE BREWING COMPANY	\$773.22	\$773.22	\$0.00	\$0.00	\$0.00
ROAK BREWING CO. LLC	\$284.94	\$284.94	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS BEER COMPANY	\$218.94	\$163.05	\$0.00	\$0.00	\$55.89
ROCHESTER MILLS PROD BREWERY	\$2,831.27	\$1,894.40	\$0.00	\$0.00	\$936.87
ROYAL OAK BREWERY	\$ (654.14)	\$0.00	\$0.00	\$0.00	\$ (654.14)
RTT	\$27,772.36	\$0.00	\$0.00	\$0.00	\$27,772.36
SEAFARE FOODS, INC.	\$70.90	\$70.90	\$0.00	\$0.00	\$0.00
SHERWOOD BREWING COMPANY	\$1,162.13	\$31.50	\$0.00	\$0.00	\$1,130.63
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	\$124.84	\$60.38	\$0.00	\$0.00	\$64.46

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SWEETHEART BAKERY, INC.	\$1,328.56	\$153.94	\$84.23	\$72.61	\$1,017.78
THE CROWN GROUP-LIVONIA PLAN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOM LAUNDRY CLEANERS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRAFFIC JAM & SNUG	\$ (31.16)	\$0.00	\$0.00	\$0.00	\$ (31.16)
TURRI'S ITALIAN FOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TURRI'S ITALIAN FOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U-METCO, INC.	\$2,158.20	\$2,158.20	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$72,983.09	\$72,983.09	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$2,158.69	\$2,158.69	\$0.00	\$0.00	\$0.00
UNIQUE LINEN SERVICES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNITED FISH DISTRIBUTORS	\$16.98	\$16.98	\$0.00	\$0.00	\$0.00
UNITED LINEN SERVICE, LLC.	\$531.43	\$531.43	\$0.00	\$0.00	\$0.00
UNITED MEAT & DELI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
URBANREST BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
US ECOLOGY MICHIGAN	\$374.98	\$374.98	\$0.00	\$0.00	\$0.00
US ECOLOGY ROMULUS, INC.	\$2,372.53	\$2,372.53	\$0.00	\$0.00	\$0.00
USHER OIL SERVICES	\$4,776.23	\$4,776.23	\$0.00	\$0.00	\$0.00
VALICOR ENVIROMENTAL SERVICE	\$1,352.98	\$1,352.98	\$0.00	\$0.00	\$0.00
VAUGHAN INDUSTRIES, INC.	\$31.69	\$31.69	\$0.00	\$0.00	\$0.00
VERNDALÉ PRODUCTS	\$8,674.66	\$8,674.66	\$0.00	\$0.00	\$0.00
VERNDALÉ PRODUCTS, INC.	\$ (140.55)	\$ (140.55)	\$0.00	\$0.00	\$0.00
VERNOR FOOD PRODUCTS	\$ (36.26)	\$0.00	\$0.00	\$0.00	\$ (36.26)

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 11/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
WIGLEY'S MEAT PROCESS	\$609.02	\$609.02	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$1,257.89	\$1,257.89	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$241.89	\$241.89	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO	\$12,469.50	\$12,469.50	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO.	\$6,204.08	\$6,204.08	\$0.00	\$0.00	\$0.00
WOODWARD AVENUE BREWERS	\$144.24	\$0.00	\$0.00	\$59.06	\$85.18
TOTAL POLLUTANT SURCHARGE ACCOUNTS	\$738,682.48	\$683,835.61	\$12,913.94	\$5,447.50	\$36,485.43

City of Highland Park Billings and Collections

	<u>Water</u>	<u>Sewer</u>	<u>IWC</u>	<u>Cumulative Total</u>
June 30, 2012 Balance	\$ -	\$ 10,207,956	\$ 852,987	\$ 11,060,943
FY 2013 Billings	485,887	4,987,635	154,444	5,627,966
FY 2013 Payments	<u>(65,652)</u>	<u>(2,206,211)</u>	<u>-</u>	<u>(2,271,863)</u>
				-
June 30, 2013 Balance	\$ 420,235	\$ 12,989,380	\$ 1,007,431	\$ 14,417,046
FY 2014 Billings	1,004,357	6,980,442	161,951	8,146,750
FY 2014 Payments	<u>-</u>	<u>(1,612,633)</u>	<u>-</u>	<u>(1,612,633)</u>
				-
June 30, 2014 Balance	\$ 1,424,592	\$ 18,357,189	\$ 1,169,382	\$ 20,951,163
FY 2015 Billings	1,008,032	5,553,123	165,739	6,726,894
FY 2015 Payments	<u>-</u>	<u>(1,444,623)</u>	<u>-</u>	<u>(1,444,623)</u>
				-
June 30, 2015 Balance	\$ 2,432,625	\$ 22,465,689	\$ 1,335,121	\$ 26,233,435
FY 2016 Billings	1,157,178	5,612,167	106,431	6,875,776
FY 2016 Payments	<u>-</u>	<u>(2,022,335)</u>	<u>-</u>	<u>(2,022,335)</u>
				-
June 30, 2016 Balance	\$ 3,589,803	\$ 26,055,521	\$ 1,441,551	\$ 31,086,875
FY 2017 Billings	1,245,267	5,802,000	101,999	7,149,265
FY 2017 Payments	<u>-</u>	<u>(2,309,186)</u>	<u>-</u>	<u>(2,309,186)</u>
				-
June 30, 2017 Balance	\$ 4,835,070	\$ 29,548,335	\$ 1,543,550	\$ 35,926,954
FY 2018 Billings	1,277,179	5,657,101	80,472	7,014,752
FY 2018 Payments	<u>-</u>	<u>(4,108,108)</u>	<u>-</u>	<u>(4,108,108)</u>
				-
June 30, 2018 Balance	\$ 6,112,248	\$ 31,097,327	\$ 1,624,022	\$ 38,833,597
FY 2019 Billings	1,238,797	5,617,100	51,220	6,907,117
FY 2019 Payments	<u>-</u>	<u>(5,241,583)</u>	<u>-</u>	<u>(5,241,583)</u>
				-
June 30, 2019 Balance	\$ 7,351,045	\$ 31,472,844	\$ 1,675,243	\$ 40,499,132
FY 2020 Billings	1,182,639	5,665,400	47,097	6,895,136
FY 2020 Payments	<u>-</u>	<u>(3,026,117)</u>	<u>-</u>	<u>(3,026,117)</u>
				-
June 30, 2020 Balance	\$ 8,533,684	\$ 34,112,127	\$ 1,722,340	\$ 44,368,151
FY 2021 Billings (5 Months)	514,377	2,362,500	19,292	2,896,169
FY 2021 Payments (5 Months)	<u>-</u>	<u>(1,783,080)</u>	<u>-</u>	<u>(1,783,080)</u>
				-
Balance as of November 30, 2020	<u>\$ 9,048,061</u>	<u>\$ 34,691,547</u>	<u>\$ 1,741,632</u>	<u>\$ 45,481,240</u>