

# GLWA

*Great Lakes Water Authority*



## **Monthly Financial Report Binder**

**June 2020**

**(Preliminary FY 2020 Year-end Close)**

**Presented to the  
Great Lakes Water Authority  
Audit Committee on September 25, 2020**

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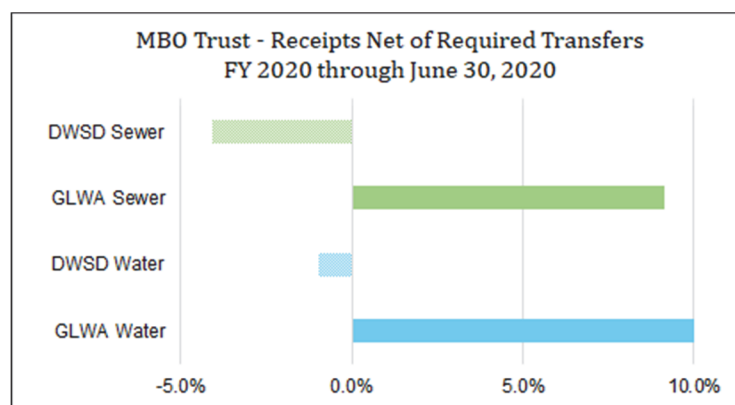
## Key Financial Metrics

Preliminary June 2020 indicators below focus on a financial risk management lens of preventing a budget shortfall. Green indicates no risk of a budget shortfall; yellow indicates a potential shortfall by year-end; and red indicates a likely budget shortfall by year-end. Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Although Water O&M did exceed budget as of June 30, 2020, the overage is offset by debt refunding savings and improved investment earnings.

As of June 30, 2020				
Metric	FY 2020 Budget	FY 2020 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$312.5	\$313.9	0%	43
Wholesale Water Billed Usage (mcf)	13,474,000	13,579,000	1%	
Wholesale Sewer Billed Revenue (\$M)	\$267.9	\$267.9	0%	45
Wholesale Water Operations & Maintenance (\$M)	\$126.8	\$131.9	4%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$181.9	\$172.8	-5%	
Investment Income (\$M)	\$17.4	\$19.4	11%	34
Water Prorated Capital Spend w/SRA* (\$M)	\$107.0	\$77.0	-28%	27
Sewer Prorated Capital Spend w/SRA* (\$M)	\$121.0	\$74.0	-39%	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 48)



Net cash flow receipts are positive for GLWA Water and Sewer. This means that all legal commitments of the MBO Trust and the lease payment are fully funded to date – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water and Sewer net receipt shortfalls are \$0.9 million and \$10.8 million respectively for June 2020 attributed to the impact of the COVID-19 pandemic. GLWA and DWSD staff meet regularly to discuss steps to mitigate this shortfall as outlined in the 2018 MOU. Prospective COVID-19 financial impacts are being monitored closely and are addressed in the monthly CFO Report section of the September 18, 2020 Audit Committee binder.

The current DWSD loan receivable balance for fiscal years 2017 and 2018 is \$26.5 million. Monthly payments to GLWA continue to be made timely and in full without interruption.

## Budget to Actual Analysis (page 3)

- Information presented reflects the Board-approved budget amendments adopted in June.

- The total Operations & Maintenance (O&M) expense for FY 2020 are at 98.7% of the amended budget (FY 2019 was at 93.3%).
- Shared Services for FY 2021 includes true-up adjusting entries for FY 2018 and FY 2019. Without these adjusting entries Shared Services, for FY 2020, was at 99.9% of the amended budget. With the adjusting entries this category is at 34.7%.

### **Basic Financial Statements (page 10)**

- Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for June is \$74.5 million for the Water funds (22.3% of total revenues) and \$138.7 million for the Sewer funds (29.7% of total revenues).
- June Water Net Position decreased \$19.5 million and Sewer Net Position increased \$525 thousand for the year. This is largely attributable to legacy debt and pension expense and reflects a slight improvement over FY 2019 due in part to the FY 2020 bond refunding.

### **Construction Work in Progress Summary (page 26)**

- The Water and Wastewater systems are both within the 75% Capital Spend Ratio.

### **Master Bond Ordinance Transfers (page 29)**

- Transfers of \$146 million and \$210 million were completed for the GLWA Water and Sewer funds, respectively. These totals include a return of O&M funds in June for both the Water and Sewer funds to reflect a 4th Quarter FY 2020 budget adjustment.
- Transfers of \$58 million and \$81 million were completed for the DWSD Water and Sewer funds, respectively. These totals include a return of O&M funds, by DWSD, in December and February to reduce their budget shortfall.

### **Cash Balances & Investment Income (page 34)**

- The total cash balance is \$506 million for the Water fund and \$443 for the Sewer fund.
- The total combined investment income through June was \$19 million.

### **Retail Revenues, Receivables & Collections (page 38)**

- Preliminary yearend water usage is at 91.61% of budget and revenues at 96.96% of budget.
- Preliminary yearend sewer usage is at 94.89% of budget and revenues at 97.23% of budget.
- Combined accounts receivable balances for the water and sewer funds report an increase of \$34 million over the prior year.
- Past dues over 180 days make up 65% of the total accounts receivable balance. The current bad debt allowance covers 97.5% of past dues over 180 days.

### **Wholesale Billing, Receivables & Collections (page 42)**

- Preliminary yearend water usage is at 100.78% of budget and revenues at 100.45% of budget.
- Preliminary yearend sewer revenues are at 100% of budget because wholesale sewer customers are billed a fixed monthly fee based upon the annual revenue requirement.
- The Highland Park past due balance is \$44.3 million, includes \$34.1 million for wastewater treatment services, \$1.7 million for industrial waste control services, and \$8.5 million for water supply services. Looking ahead, Highland Park has made three payments totaling \$1.78 million in FY 2021 as of September 2020.
- Accounts receivable past due balances in total (less Highland Park) are less than one percent of the total balance due.

**Questions?** Contact the Office of the Chief Financial Officer at [CFO@glwater.org](mailto: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 information presented in these sections reflects the Board-approved budget amendments that were adopted in June 2020.

It is important to note that the tables in these sections are presented in a draft format. Adjustments related to the fiscal year end 2020 audit will affect the Budget to Actual Analysis. This includes the final amendment of the budget to allocate the administrative and centralized budget categories to the *water* and *sewer* categories.

## Revenue Requirement Budget Basis Analysis - Draft

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

**Table 1A – Water Revenue Requirement Budget** and **Table 1B – Sewer Revenue Requirement Budget** presents a year-over-year budget to actual performance report. The revenue requirement budget is accounted for in the operations and maintenance fund for each system. Since this report is for June 2020, the pro-rata benchmark is 100% (12 of 12 months of the fiscal year).

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

1. **Revenues:** For *both* systems, FY 2020 revenues are either at or slightly above target. Detailed schedules related to revenues are provided in the *Wholesale Billings, Collections, and Receivables* section of this financial report binder.

Water revenues presented in Table 1A differ from those presented in *Table 2 – Statement of Revenues, Expenses and Changes in Net Position* found in the *Basic Financial Statement* section of this report. Water Revenues presented in Table 1A for revenue requirement purposes are reduced by the monthly payment to the City of Flint for a license to raw water rights under the Flint Raw Water Contract as documented in Appendix A-2 of the [Flint Water Agreement](#). Through June 30, 2020 these payments total \$6.7 million for FY 2020.

2. **Investment Earnings:** For *both* systems, investment earnings are above target for FY 2020. The market adjustment, previously reported in this section, 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. For example, in FY 2020 the variance reported for the *water* system was due, in large part, to the recording of the accrual for the FEMA COVID-19 Grant of \$747,000 (for expenses incurred in FY 2020), a \$175,000 billing for lead and copper sampling, and a \$40,000 grant for the Apprentice program. The variance reported for the *sewer* system is primarily due to the recording of the accrual for the FEMA COVID-19 Grant of \$744,700 (for expenses incurred in FY 2020) and an increase in the collection of septic tank disposal fees of \$116,600.
4. **Operations & Maintenance Expense:** Actual expenses<sup>1</sup> for *both* systems have variances from the pro-rata benchmark. The *water* system is over the pro-rata benchmark for FY 2020 at 103.9%. The *sewer* system O&M expenses, at 95.0%, is less than the pro-rata benchmark.
5. **Debt Service:** *Both* systems are less than the pro-rata benchmark for FY 2020; the *water* system is at 97.7%; while the *sewer* system is at 98.4%. The activity is based on the payment schedules adjusted for the State Revolving Fund loans that are still being drawn down. The positive variance is due to the release of reserves from the refunding transaction that occurred towards the end of FY 2020 as well as other timing differences.
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 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 in FY 2020 to meet this requirement, therefore, additional transfers to this reserve was not required in FY 2020.
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.<sup>2</sup> 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 2019, DWSD *sewer* ended the year with a small surplus through June 30, 2019, of \$849 thousand. To achieve the goal of positive, net cash flows for FY 2019, DWSD reduced its *sewer* system O&M transfers

<sup>1</sup>The 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.

<sup>2</sup> 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.

in May and June. The transfers reduced were \$5,676,792 each for a total of \$11,353,584. The DWSD *water* system experienced a \$6.2 million budgetary shortfall through June 30, 2019 due to an \$8.4 million I&E transfer of FY 2018 and 2019 surpluses. For FY 2020, the DWSD *water* system has a budgetary shortfall of \$937 thousand and the DWSD *sewer* system has a budgetary shortfall of \$10.8 million through June 30, 2020. GLWA and DWSD staff are meeting regularly to discuss steps to mitigate this shortfall as outlined in the 2018 MOU.

8. ***Improvement & Extension (I&E) Fund Transfer Pending:*** The contribution to the I&E Fund is for improvements, enlargements, extensions or betterment of the Water System. Final, yearend transfers are held until yearend balancing is complete. The final, budgeted I&E transfers for FY 2020 were completed in August 2020.
9. ***Other Revenue Requirements:*** The remaining revenue requirements for *both* systems are funded on a 1/12<sup>th</sup> 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)**

Water System	FY2019 AMENDED BUDGET	FY 2019 THRU 6/30/2019	Percent Year-to- Date	FY 2020 BOARD ADOPTED BUDGET	FY 2020 AMENDED BUDGET	FY 2020 THRU 6/30/2020	Percent Year-to- Date
<b>Revenues</b>							
Suburban Wholesale Customer Charges	\$ 307,383	\$ 304,164	99.0%	\$ 309,285	\$ 304,634	\$ 306,050	100.5%
Retail Service Charges	20,181	20,181	100.0%	21,296	21,296	21,296	100.0%
Investment Earnings	9,425	10,144	107.6%	9,084	8,084	9,188	113.7%
Other Revenues	-	21	0.0%	-	2	1,003	41805.2%
<b>Total Revenues</b>	<b>\$ 336,989</b>	<b>\$ 334,510</b>	<b>99.3%</b>	<b>\$ 339,664</b>	<b>\$ 334,016</b>	<b>\$ 337,538</b>	<b>101.1%</b>
<b>Revenue Requirements</b>							
Operations & Maintenance Expense	\$ 121,563	\$ 117,714	96.8%	\$ 131,491	\$ 126,840	\$ 131,840	103.9%
General Retirement System Legacy Pension	6,048	6,048	100.0%	6,048	6,048	6,048	100.0%
Debt Service	131,242	131,178	100.0%	137,558	135,999	132,836	97.7%
General Retirement System Accelerated Pension	6,268	6,268	100.0%	6,268	6,268	6,268	100.0%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	1,673	1,673	100.0%	1,698	1,698	1,698	100.0%
Lease Payment	22,500	22,500	100.0%	22,500	22,500	22,500	100.0%
Operating Reserve Deposit	-	-	0.0%	3,976	3,976	-	0.0%
DWSD Budget Shortfall/(Surplus) Pending Improvement & Extension Fund Transfer Pending	-	6,233	0.0%	-	1,230	937	76.2%
	47,695	47,695	100.0%	30,126	29,456	29,456	100.0%
<b>Total Revenue Requirements</b>	<b>\$ 336,989</b>	<b>\$ 339,311</b>	<b>100.7%</b>	<b>\$ 339,664</b>	<b>\$ 334,016</b>	<b>\$ 331,584</b>	<b>99.3%</b>
<b>Net Difference</b>		<b>\$ (4,800)</b>				<b>\$ 5,953</b>	
<i>Recap of Net Positive Variance</i>							
Revenue Variance		\$ (2,479)				\$ 3,521	
Revenue Requirement Variance		(2,321)				2,432	
Overall Variance		<b>\$ (4,800)</b>				<b>\$ 5,953</b>	

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

Sewer System	FY 2019 AMENDED BUDGET	FY 2019 THRU 6/30/2019	Percent Year-to- Date	FY 2020 BOARD ADOPTED BUDGET	FY 2020 AMENDED BUDGET	FY 2020 THRU 6/30/2020	Percent Year-to- Date
<b>Revenues</b>							
Suburban Wholesale Customer Charges	\$ 271,296	\$ 274,954	101.3%	\$ 272,324	\$ 272,324	\$ 266,003	97.7%
Retail Service Charges	181,159	181,159	100.0%	185,807	185,807	185,807	100.0%
Industrial Waste Control Charges	15,001	9,106	60.7%	13,744	7,834	7,855	100.3%
Pollutant Surcharges	-	5,933	0.0%	-	5,910	6,449	109.1%
Investment Earnings	6,879	8,295	120.6%	8,731	7,731	7,877	101.9%
Other Revenues	-	506	0.0%	-	400	1,267	316.7%
<b>Total Revenues</b>	<b>\$ 474,335</b>	<b>\$ 479,953</b>	<b>101.2%</b>	<b>\$ 480,605</b>	<b>\$ 480,005</b>	<b>\$ 475,257</b>	<b>99.0%</b>
<b>Revenue Requirements</b>							
Operations & Maintenance Expense	\$ 191,079	\$ 174,020	91.1%	\$ 187,057	\$ 181,926	\$ 172,764	95.0%
General Retirement System Legacy Pension	10,824	10,824	100.0%	10,824	10,824	10,824	100.0%
Debt Service	208,389	210,008	100.8%	215,739	214,691	211,331	98.4%
General Retirement System Accelerated Pension	11,621	11,621	100.0%	11,621	11,621	11,621	100.0%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	2,374	2,374	100.0%	2,403	2,403	2,403	100.0%
Lease Payment	27,500	27,500	100.0%	27,500	27,500	27,500	100.0%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall/(Surplus) Pending Improvement & Extension Fund Transfer Pending	-	(849)	0.0%	-	10,244	10,818	105.6%
	22,548	22,548	100.0%	25,462	20,798	20,798	100.0%
<b>Total Revenue Requirements</b>	<b>\$ 474,335</b>	<b>\$ 458,046</b>	<b>96.6%</b>	<b>\$ 480,605</b>	<b>\$ 480,005</b>	<b>\$ 468,059</b>	<b>97.5%</b>
<b>Net Difference</b>		<b>\$ 21,907</b>				<b>\$ 7,198</b>	
<i>Recap of Net Positive Variance</i>							
Revenue Variance		\$ 5,618				\$ (4,749)	
Revenue Requirement Variance		16,289				11,946	
Overall Variance		<b>\$ 21,907</b>				<b>\$ 7,198</b>	

## Operations & Maintenance Budget – Major Budget Categories - Draft

The year-over-year benchmark ratio as of June 30, 2020, is 100% (twelve months). When comparing FY 2020 to FY 2019 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 2019 AMENDED BUDGET	FY 2019 ACTIVITY THRU 6/30/2019	Percent Year-to-Date	FY 2020 BOARD ADOPTED BUDGET	FY 2020 AMENDED BUDGET	FY 2020 ACTIVITY THRU 6/30/2020	Percent Year-to-Date
Water	\$ 66,596	69,193	103.9%	\$ 66,021	\$ 66,021	\$ 68,917	104.4%
Sewer	118,319	114,358	96.7%	115,985	115,985	104,033	89.7%
Centralized	99,045	83,064	83.9%	106,914	97,732	102,699	105.1%
Administrative	28,683	25,119	87.6%	29,628	29,028	28,956	99.8%
Employee Benefits	-	-	0.0%	-	-	-	0.0%
<b>Total O&amp;M Budget</b>	<b>\$ 312,642</b>	<b>\$ 291,734</b>	<b>93.3%</b>	<b>\$ 318,548</b>	<b>\$ 308,767</b>	<b>\$ 304,605</b>	<b>98.7%</b>

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

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

**Total:** In total, the O&M expenses are at 98.7% which is reasonably within the pro-rata benchmark of 100%. This positive variance equates to a dollar amount of \$4.2 million. The expense category commentary is provided below for items highlighted on Table 3.

**Personnel Costs:** The overall category is slightly higher than the pro-rata benchmark; coming in at 102.7% through June 2020.

**Utilities:** The overall category is on target with the pro-rata benchmark; coming in at 101.2% through June 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 102.8%. This increase is primarily due to the pumps being required to run longer than normal as a result of the wet weather that Michigan had been experiencing. In addition, 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 97.4% which is slightly lower than the benchmark of 100%. A review of the accounts has confirmed that the usage is variable throughout the year.
- **Sewage service** is higher than the benchmark, coming in at 106.1%. The primary reasons for the variance in FY 2020 are due to the following: flushing projects conducted at the Southwest Water Plant to clean the pits; an increase in the frequency of flushing projects at the CSO's to provide facility access for needs assessments; and both estimated and inconsistent sewer billings being received at the Wastewater facility for meters that are registering issues with the automated reader systems (service has been requested on these meters).
- **Water service** is lower than the benchmark, coming in at 86.8%. 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 on target with the pro-rate benchmark; coming in at 101.6% through June 2020.

**Supplies & Other:** This category is slightly lower than the benchmark; coming in at 98.6% through June 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 on target with the pro-rata benchmark; coming in at 102.3% through June 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 higher than the benchmark; coming in at 107.2% through June 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 lower than the benchmark; coming in at 34.7% through June 2020. This variance is the result of prior year true-up adjusting entries that were posted to June 2020; the entry for FY 2018 was for \$1.2 million and the entry for FY 2019 was for \$2.1 million. Both entries were a reduction to shared services which resulted in an increase in expense to FY 2020. When the true-up activity is removed, the variance in this category for FY 2020 is at 99.9% which is on target with the FY 2020 benchmark. 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 more accurately reflect the forecasted activity for FY 2020. 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 2019 AMENDED BUDGET	FY 2019 ACTIVITY THRU 6/30/2019	Percent Year- to-Date at 6/30/2019	FY 2019 ACTIVITY THRU 6/30/2019	Percent Year- to-Date at 6/30/2019	FY 2020 AMENDED BUDGET	FY 2020 PRORATED BUDGET (12 MONTHS)	FY 2020 ACTIVITY THRU 6/30/2020	Percent Year-to- Date	PRORATED BUDGET LESS FY 2020 ACTIVITY
<b>Entity-wide</b>										
Salaries & Wages	\$ 63,631	\$ 59,922	94.2%	\$ 59,922	100.0%	\$ 64,703	\$ 64,703	\$ 64,190	99.2%	\$ 514
Workforce Development	751	794	105.7%	794	100.0%	1,271	1,271	1,252	98.5%	19
Overtime	7,612	7,553	99.2%	7,553	100.0%	7,191	7,191	7,494	104.2%	(302)
Employee Benefits	23,656	21,997	93.0%	21,997	100.0%	22,466	22,466	25,001	111.3%	(2,535)
Transition Services	8,572	8,323	97.1%	8,323	100.0%	5,872	5,872	6,330	107.8%	(458)
Employee Benefits Fund	-	-	0.0%	-	0.0%	-	-	-	0.0%	-
<b>Personnel Costs</b>	<b>104,221</b>	<b>98,589</b>	<b>94.6%</b>	<b>98,589</b>	<b>100.0%</b>	<b>101,503</b>	<b>101,503</b>	<b>104,266</b>	<b>102.7%</b>	<b>(2,763)</b>
Electric	39,019	39,103	100.2%	39,103	100.0%	39,549	39,549	40,669	102.8%	(1,120)
Gas	6,631	6,568	99.1%	6,568	100.0%	5,332	5,332	5,196	97.4%	136
Sewage Service	2,491	2,094	84.1%	2,094	100.0%	1,988	1,988	2,109	106.1%	(122)
Water Service	3,648	3,631	99.5%	3,631	100.0%	3,662	3,662	3,178	86.8%	484
<b>Utilities</b>	<b>51,789</b>	<b>51,395</b>	<b>99.2%</b>	<b>51,395</b>	<b>100.0%</b>	<b>50,531</b>	<b>50,531</b>	<b>51,153</b>	<b>101.2%</b>	<b>(622)</b>
Chemicals	13,385	13,276	99.2%	13,276	100.0%	14,019	14,019	14,242	101.6%	(223)
Supplies & Other	36,227	37,121	102.5%	37,121	100.0%	34,124	34,124	33,653	98.6%	472
Contractual Services	100,856	101,873	101.0%	101,873	100.0%	103,975	103,975	106,372	102.3%	(2,397)
Capital Program Allocation	(3,356)	(3,381)	100.8%	(3,381)	100.0%	(3,122)	(3,122)	(3,347)	107.2%	226
Shared Services	(9,005)	(7,139)	79.3%	(7,139)	100.0%	(4,995)	(4,995)	(1,734)	34.7%	(3,262)
Unallocated Reserves	18,524	-	0.0%	-	0.0%	12,731	12,731	-	0.0%	12,731
<b>Total Expenses</b>	<b>\$ 312,643</b>	<b>\$ 291,734</b>	<b>93.3%</b>	<b>\$ 291,734</b>	<b>100.0%</b>	<b>\$ 308,767</b>	<b>\$ 308,767</b>	<b>\$ 304,605</b>	<b>98.7%</b>	<b>\$ 4,162</b>



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 basic financial statements are presented in a draft format. Adjustments related to fiscal year end 2020 audit affect the basic financial statements. The results of these adjustments will be presented in the audited CAFR. The Comparative June 2019 basic financial statements are presented based on final audited figures.

## Statement of Net Position – All Funds Combined - Draft

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

**Table 1 – Statement of Net Position - All Funds Combined - Draft**  
**As of June 30, 2020**  
**(\$000)**

	Water	Sewage Disposal	Total Business-type Activities	Comparative June 30, 2019
<b>Assets</b>				
Cash - unrestricted (a)	\$ 94,524	\$ 109,113	\$ 203,637	\$ 309,016
Cash - restricted (a)	66,060	53,074	119,135	261,999
Investments - unrestricted (a)	305,654	167,895	473,549	274,246
Investments - restricted (a)	41,671	116,115	157,786	185,831
Accounts Receivable	97,634	84,763	182,397	208,914
Due from (to) Other Funds (b)	(8,322)	8,322	-	2,890
Other Assets (c)	678,744	436,613	1,115,357	1,046,518
Cash Held FBO DWSD Advance (d)	-	10,195	10,195	-
Capital Assets, net of Depreciation	1,390,129	2,298,918	3,689,047	3,747,784
Land	292,799	123,846	416,645	417,657
Construction Work in Process (e)	126,198	177,023	303,220	368,748
<b>Total assets</b>	<b>3,085,091</b>	<b>3,585,878</b>	<b>6,670,969</b>	<b>6,823,603</b>
<b>Deferred Outflows (f)</b>	<b>62,651</b>	<b>154,446</b>	<b>217,097</b>	<b>273,596</b>
<b>Liabilities</b>				
Liabilities - Short-Term (g)	148,263	155,585	303,848	321,270
Due to (from) Other Funds (b)	-	-	-	2,890
Other Liabilities (h)	2,761	6,417	9,179	9,097
Cash Held FBO DWSD (d)	1,250	-	1,250	2,807
Liabilities - Long-Term (i)	3,035,523	3,648,219	6,683,741	6,853,419
<b>Total liabilities</b>	<b>3,187,797</b>	<b>3,810,221</b>	<b>6,998,018</b>	<b>7,189,483</b>
<b>Deferred Inflows (f)</b>	<b>56,355</b>	<b>53,521</b>	<b>109,876</b>	<b>108,541</b>
<b>Total net position (j)</b>	<b>\$ (96,410)</b>	<b>\$ (123,418)</b>	<b>\$ (219,828)</b>	<b>\$ (200,825)</b>

Totals may be off due to rounding



In general, the Statement of Net Position - Draft reflects a mature organization with no unexpected trends. Cash balances as of June 30, 2020 are lower when compared to June 30, 2019 (highlighted in gold on Table 1). This is because of the high liquidity needs at June 30, 2019 to meet annual debt and interest payments, legacy pension obligation payments, and annual operational requirements whereas more funds are being invested as of June 30, 2020.

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, 2019 are reported at market value. The June 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 - Draft

This statement, shown in Table 2, is presented in summary format. The accrual basis of revenues and operations and maintenance expense vary from the revenue requirement basis presented in the *Budget to Actual Analysis* and the *Wholesale Billings, Receivables & Collections* sections of the June 2020 Financial Report Binder. Prior year ending balances are provided in the June 30, 2019 column as a reference for comparative purposes. Explanatory notes follow this statement.

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

**Table 2 – Statement of Revenues, Expenses and Changes in Net Position  
– All Funds Combined - Draft  
For the Twelve Months Month ended June 30, 2020  
(\$000)**

	Water	Percent of Revenue	Sewage Disposal	Percent of Revenue	Total Business- Type Activities	Comparative June 30, 2019
<b>Revenue</b>						
Wholesale customer charges	\$ 312,702	93.3%	\$ 266,003	56.9%	\$ 578,705	\$ 584,172
Local system charges	21,296	6.4%	185,807	39.8%	207,103	201,341
Industrial waste charges		0.0%	7,855	1.7%	7,855	9,106
Pollutant surcharges		0.0%	6,449	1.4%	6,449	5,933
Other revenue	1,003	0.3%	1,267	0.3%	2,270	528
<b>Total Revenues</b>	<b>335,001</b>	<b>100.0%</b>	<b>467,380</b>	<b>100.0%</b>	<b>802,381</b>	<b>801,079</b>
<b>Operating expenses</b>						
Operations and Maintenance	132,533	39.6%	175,199	37.5%	307,732	293,863
Depreciation	127,183	38.0%	152,921	32.7%	280,104	309,115
<b>Total operating expenses</b>	<b>259,716</b>	<b>77.5%</b>	<b>328,120</b>	<b>70.2%</b>	<b>587,836</b>	<b>602,978</b>
<b>Operating Income</b>	<b>75,285</b>	<b>22.5%</b>	<b>139,260</b>	<b>29.8%</b>	<b>214,544</b>	<b>198,101</b>
<b>Total Nonoperating (revenue) expense</b>	<b>94,812</b>	<b>28.3%</b>	<b>138,735</b>	<b>29.7%</b>	<b>233,547</b>	<b>220,170</b>
Increase/(Decrease) in Net Position	<b>(19,528)</b>	<b>-5.8%</b>	<b>525</b>	<b>0.1%</b>	<b>(19,003)</b>	<b>(22,070)</b>
Net Position (deficit), beginning of year	(76,882)		(123,943)		(200,825)	(178,755)
<b>Net position (deficit), end of year</b>	<b>\$ (96,410)</b>		<b>\$ (123,418)</b>		<b>\$ (219,828)</b>	<b>\$ (200,825)</b>
<i>Totals may be off due to rounding</i>						

## Water Fund

- ✓ The decrease in Water Fund Net Position is \$19.5 million.
- ✓ Wholesale water customer charges of \$312.7 million account for 93.3% of Water System revenues.
- ✓ Operating expenses of \$259.7 million represent 77.5% of total operating revenue. Depreciation is the largest operating expense at \$127.2 million or 49.0% of operating expense.
- ✓ Operating income after operating expenses (including depreciation) equals \$75.3 million or 22.5 % of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$88.3 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 \$525 thousand.
- ✓ Wholesale customer charges of \$266.0 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 \$185.8 million account for 39.8% of total operating revenues. These are also billed at one-twelfth of the annual revenue requirement.
- ✓ Operating expenses of \$328.1 million represent 70.2% of total operating revenue. Depreciation is the largest operating expense at \$152.9 million or 46.6% of total operating expense.
- ✓ Operating income after operating expenses (including depreciation) equals \$139.3 million or 29.8 % of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$114.3 million (this equates to the bonded debt interest expense less the offset from DWSD contractual obligation income).

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

This Supplemental Schedule of Operations & Maintenance Expenses - Draft (O&M) schedule is shown below in Table 3. This accrual basis of operations and maintenance expense may vary from the revenue requirement basis presented in the *Budget to Actual Analysis* section of the June 2020 Financial Report Binder. Explanatory notes follow this schedule.

**Table 3 - Supplemental Schedule of Operations & Maintenance Expenses  
- All Funds Combined - Draft  
For the Twelve Months ended June 30, 2020  
(\$000)**

	Water	Percent of Total	Sewage Disposal	Percent of Total	Total Business- Type Activities	Percent of Total
<b>Operating Expenses</b>						
Personnel						
Salaries & Wages	23,519	17.7%	48,253	27.5%	71,772	23.3%
Overtime	4,382	3.3%	3,111	1.8%	7,494	2.4%
Benefits	16,045	12.1%	8,956	5.1%	25,001	8.1%
Total Personnel	\$ 43,946	33.2%	\$ 60,320	34.4%	\$ 104,266	33.9%
<b>Utilities</b>						
Electric	26,136	19.7%	14,534	8.3%	40,669	13.2%
Gas	1,021	0.8%	4,175	2.4%	5,196	1.7%
Sewage	561	0.4%	1,548	0.9%	2,109	0.7%
Water	2	0.0%	3,177	1.8%	3,178	1.0%
Total Utilities	\$ 27,720	20.9%	\$ 23,433	13.4%	\$ 51,153	16.6%
Chemicals	5,569	4.2%	8,672	5.0%	14,242	4.6%
Supplies and other	12,010	9.1%	21,643	12.4%	33,653	10.9%
Contractual services	46,122	34.8%	63,351	36.2%	109,473	35.6%
Capital Adjustment	27	0.0%	-	0.0%	27	0.0%
Capital program allocation	(2,164)	-1.6%	(1,183)	-0.7%	(3,347)	-1.1%
Shared services allocation	(697)	-0.5%	(1,037)	-0.6%	(1,734)	-0.6%
<b>Operations and Maintenance Expenses</b>	<b>\$ 132,533</b>	<b>100.0%</b>	<b>\$ 175,199</b>	<b>100.0%</b>	<b>\$ 307,732</b>	<b>100.0%</b>

Totals may be off due to rounding.

- ✓ Core expenses for water and sewage disposal systems are utilities (16.6 % of total O&M expenses) and chemicals (4.6% of total O&M expenses).
- ✓ Personnel costs (33.9% of total O&M expenses) include all salaries, wages, and benefits for employees as well as staff augmentation contracts that fill a vacant position (contractual transition services).
- ✓ Contractual services (35.6%) includes:
  - Water System costs of sludge removal and disposal services at the Northeast, Southwest and Springwells Water Treatment Plants (approximately \$6.2 million);
  - Sewage Disposal System costs for the operation and maintenance of the biosolids dryer facility (approximately \$ 15.5 million); and
  - Centralized and administrative contractual costs allocated to both systems for information technology, building maintenance, field, planning and other services.

## Supplemental Schedule of Nonoperating Expenses – All Funds Combined - Draft

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

**Table 4 – Supplemental Schedule of Nonoperating Expenses – All Funds Combined - Draft  
For the Twelve Months ended June 30, 2020  
(\$000)**

	Water	Sewage Disposal	Total Business- type Activities	Comparative June 30, 2019
<b>Nonoperating (Revenue)/Expense</b>				
Interest income contractual obligation	\$ (22,946)	\$ (18,190)	\$ (41,136)	\$ (40,673)
Interest income DWSD Shortfall	-	(1,299)	(1,299)	(1,104)
Investment earnings	(13,745)	(11,672)	(25,417)	(26,518)
Other nonoperating revenue	(1,439)	379	(1,061)	(420)
Interest Expense				
Bonded debt	111,252	132,493	243,745	250,966
Lease obligation	17,463	21,344	38,808	39,264
Other obligations	4,822	1,573	6,395	6,368
Total interest expense	133,538	155,410	288,948	296,597
Other non-capital expense	-	-	-	-
Memorandum of Understanding	-	-	-	6,527
Capital Contribution	-	(5,960)	(5,960)	-
Amortization, issuance costs, debt	(14,259)	3,956	(10,303)	(3,995)
Amortization, raw water rights	3,567	-	3,567	3,567
(Gain) loss on disposal of capital assets	1,483	1,266	2,749	(81)
Loss on impairment of capital assets	-	-	-	1,025
Water Residential Assistance Program	1,393	1,922	3,315	2,024
Legacy pension expense	7,221	12,923	20,144	(16,778)
<b>Total Nonoperating (Revenue)/Expense</b>	<b>\$ 94,812</b>	<b>\$ 138,735</b>	<b>\$ 233,547</b>	<b>\$ 220,170</b>

Totals may be off due to rounding.

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

Report binder are due to accrued interest and related market adjustments for FY 2019 and FY 2020, respectively. FY 2019 market value adjustments for Water and Sewer totaled \$1.6 million and \$600 thousand, respectively. FY 2020 market value adjustments for Water and Sewer totaled \$4.9 million and \$3.3 million, respectively.

- ✓ Interest expense, the largest category of nonoperating expenses, is made up of three components:
  - Bonded debt;
  - Lease obligation for the regional assets from the City of Detroit; and
  - Other obligations such as an obligation payable to the City of Detroit for an allocation BC Notes related to assumed DWSD liabilities; acquisition of raw water rights related to the KWA Pipeline.
- ✓ Legacy Pension expense is calculated by GLWA annually based upon information provided by the City of Detroit General Retirement System (GRS). The expense varies each year based upon benefits paid, investment earnings and changes in actuarial assumptions. The FY 2020 entry was made in April based on required reports GLWA recently received from GRS. While typically an expense, changes in actuarial assumptions caused this item to be reflected as income for the year ending June 30, 2019.

*FY 2019 Items of note:*

- ✓ Sewer Other Non-operating expense includes the 2018 MOU Item 8a from June 27, 2018 for a final bad debt lookback adjustment for DWSD of \$6.5 million.

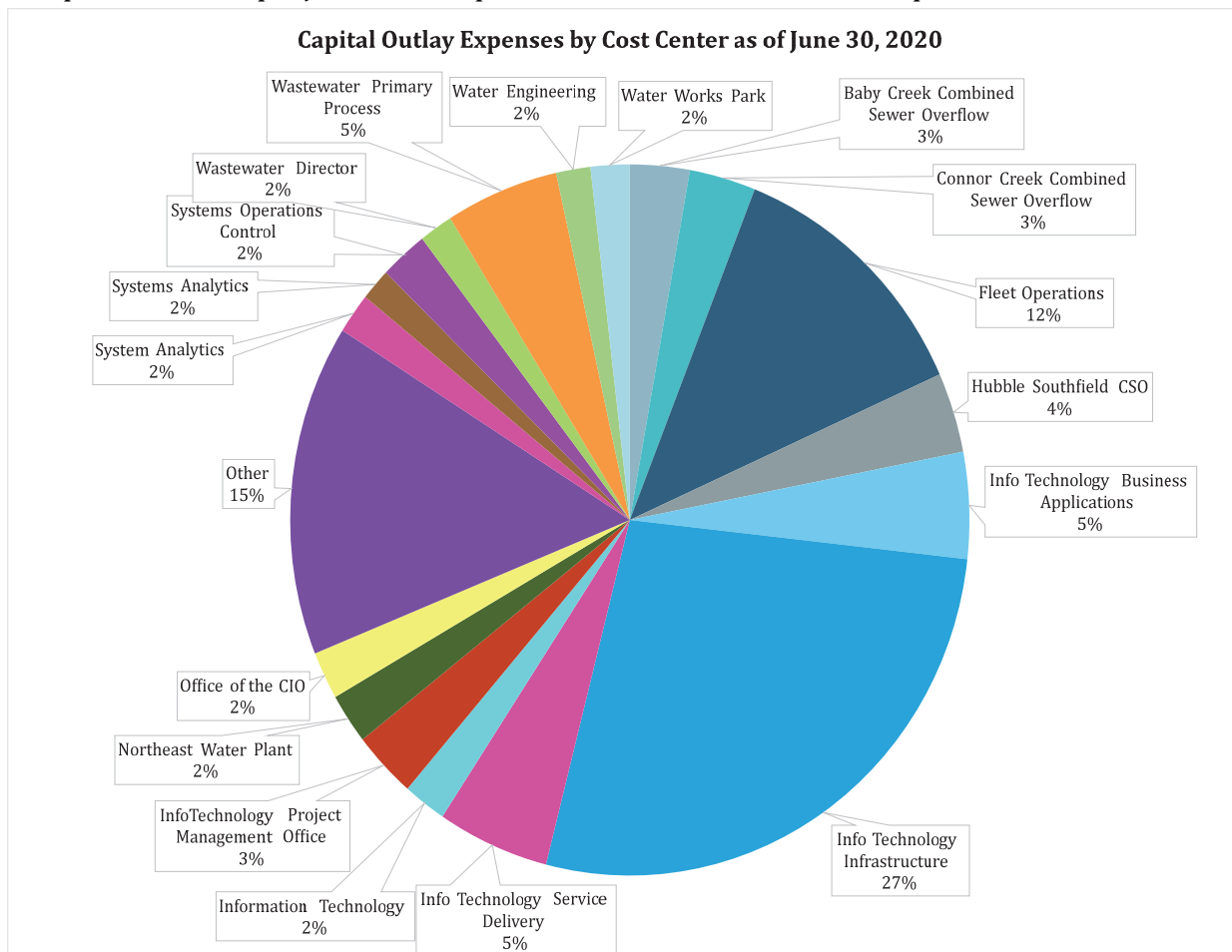


## Financial Activity Charts

### Chart 1 – Capital Outlay – Water and Sewer System Combined

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

Through June 30, 2020, total capital outlay spend is \$15.4 million. Following this chart is a sample list of projects and purchases from the total spend of \$15.4 million:



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

**Water Operations:** Level and flow instrumentation (\$217k); Water Works Park South Garage renovation (\$171k); high pressure water project (\$154k); various Water location



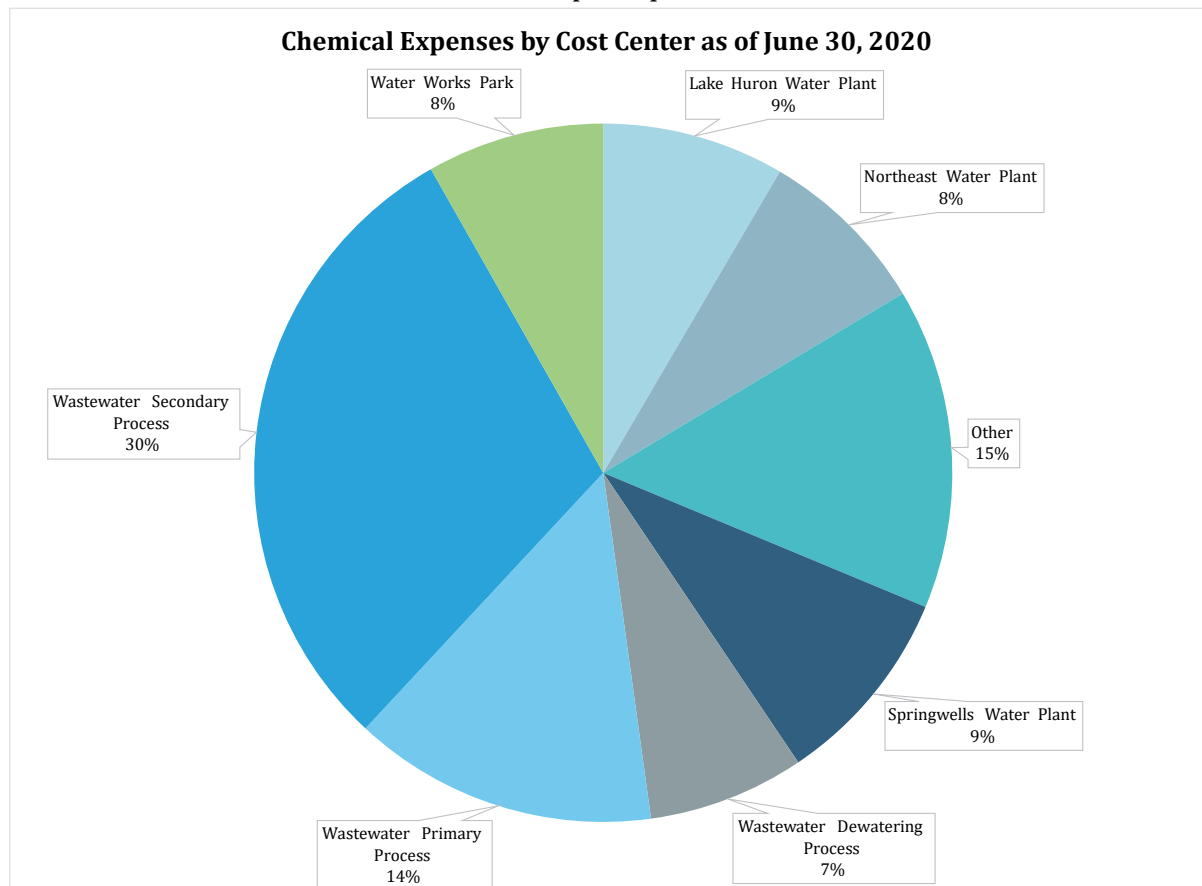
building improvements (\$134k); actuators (\$108k); power monitor (\$90k); submersible pressure sensor (\$83k); and skid steer loader (\$44k).

**Wastewater Operations:** Pumps at various CSO's (\$617k); accuasonic flow meters (\$540k); pinion gears (\$254k); chemical feed pump (\$225k); roll off truck at Water Resource Recovery Facility (WRRF) (\$188k); chemical induction unit (\$179k); boilers (\$177k); Transformer C structure at WRRF (\$143k); Flygt pump (\$78k); water heater for Scum building (\$76k); actuator (\$73k) and skid steer loader (\$44k).

**Centralized & Administrative Facilities:** Low voltage wiring services (\$3.6m); trucks and vehicles (\$1.8m); IT software (\$1.2m); IT & 17<sup>th</sup> floor renovation and furniture (\$680k); IT computers (\$465k); Sewer meter support (\$216k); IT Hardware/software (\$187k); CSF meter operations (\$137k); transmitters (\$118k); multimeter (\$91k); IT firewalls (\$82k); and IT premium hardware support (\$74k); 'other' category expenses include: bathroom renovation (\$83k) for the Logistics and Materials team.

### Chart 2 – Chemical Expenses – Water and Sewer System Combined

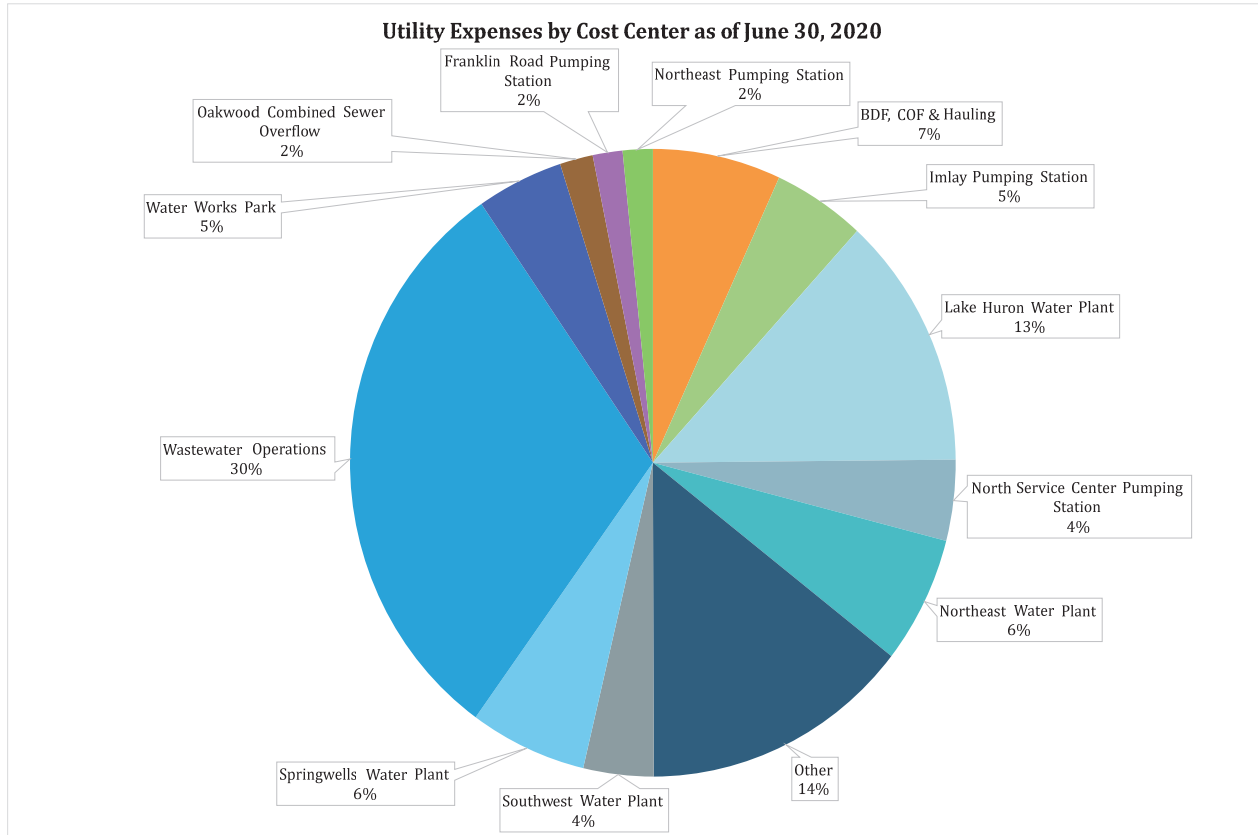
Chemical expenses are \$14.2 million through June 30, 2020. The allocation is shown in the chart below and remains consistent with prior periods.



**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 \$51.2 million through June 30, 2020. The allocation is shown in the chart below and consistent with prior periods.



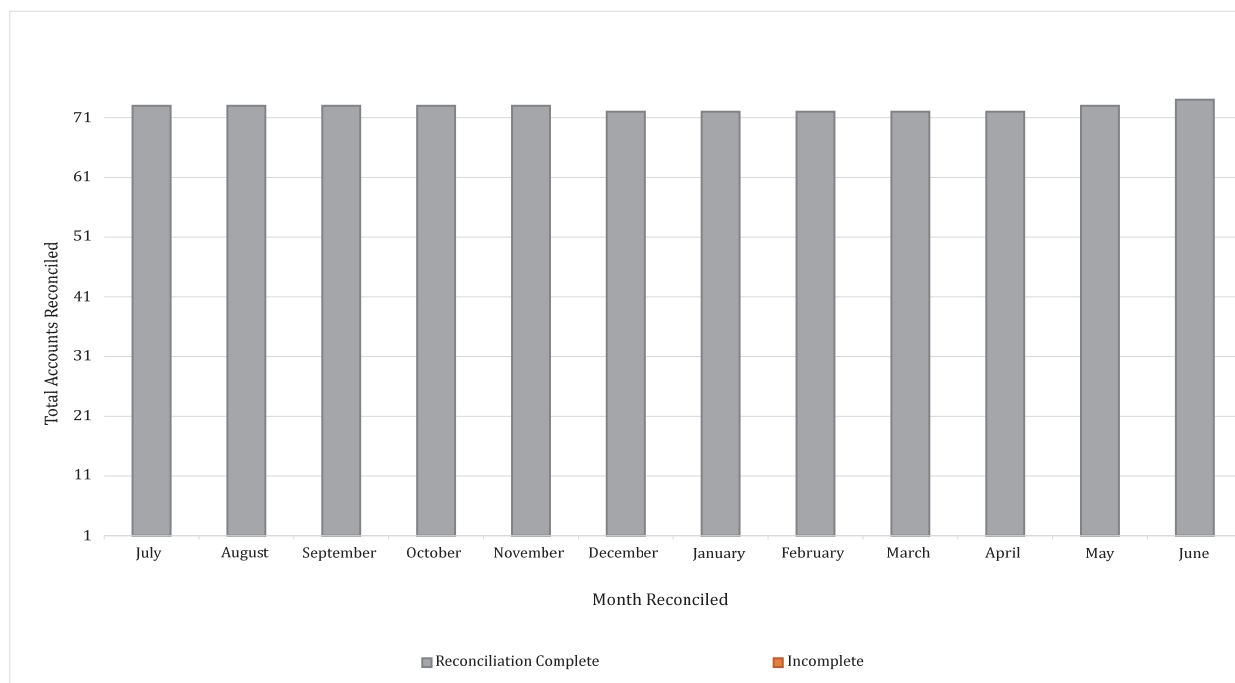
**Note:** Due to rounding totals may not equal 100%.

## 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 June 30, 2020 all reconciliations are up-to-date and complete.

There was one new account for Cost of Issuance from May 2020.

**Chart 1 – Bank Reconciliation Completion Status**



**Table 1 – Fiscal Year 2020 GL Cash Account Rollforward**

Total GL Cash accounts as of July 1, 2019	71
New GL Cash accounts	4
Inactivated GL Cash accounts	(1)
Total GL Cash accounts as of June 30, 2020	<u><u>74</u></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 1/12<sup>th</sup> 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 Twelve Months Ended June 30, 2020**

	Water	Sewer	Total
<b>Net Revenue Requirement Budget Variance (a)</b>	\$ 5,953	\$ 7,198	\$ 13,151
<b>Budgetary categories adjustments to financial reporting basis</b>			
Pension delayed accounting election adjustments			
Current year pension transfers/payments recorded as deferral (c)	10,811	19,348	30,159
Prior year pension contribution accounted for in current year (d)	(7,221)	(12,923)	(20,144)
Administrative prepaid adjustment (e)	413	739	1,152
Debt service (f)	44,530	97,028	141,558
Accelerated pension B&C notes obligation portion (g)	177	396	573
Lease payment (h)	5,037	6,156	11,193
WRAP (i)	305	481	786
DWSD short term allocation (j)	937	10,818	11,755
Operating Reserve Deposit (j)	-	-	-
Improvement & Extension Fund (j)	28,763	18,363	47,126
<b>Nonbudgeted financial reporting categories adjustments</b>			
Depreciation (k)	(127,183)	(152,921)	(280,104)
Amortization (k)	10,692	(3,956)	6,736
Other nonoperating income (k)	1,656	10	1,666
Other nonoperating expense (k)	-	-	-
Gain(loss) on disposal of capital assets (k)	(1,483)	(1,266)	(2,749)
Raw water rights (l)	2,529	-	2,529
Investment earnings construction fund (m)	1,232	1,088	2,320
Investment earnings DWSD note receivable (m)	-	1,299	1,299
Investment earnings unrealized gain/loss (m)	3,325	2,707	6,032
Capital contribution (n)	-	5,960	5,960
<b>Net Position Increase/(Decrease) per Financial Statements (b)</b>	<b>\$ (19,528)</b>	<b>\$ 525</b>	<b>\$ (19,002)</b>

**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 2020, the Sewer Improvement and Extension Fund adjustments also reflect \$2.4 million in Sewer Improvement and Extension Fund expenses relating to repairs paid for through the Sewer Improvement and Extension Fund. The Water Improvement and Extension Fund also reflects \$693 thousand in Water Improvement and Extension expenses relating to repairs paid for through the Water 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. Interest on the DWSD note receivable is budgeted as part of the Sewer improvement and extension fund and is transferred directly to that fund as payments are made. Unrealized gains and losses are recorded annually as required for financial reporting purposes but do not reflect actual investment earnings and are not included in cash basis reporting.
- (n) The capital contribution is a one-time payment made to GLWA by the Oakland Macomb Interceptor Drainage District (OMIDD) as part of a contract amendment to the OMIDD Wastewater Disposal Services Contract.





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

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

## **Construction Work in Progress**

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

This report presents quarterly and monthly CWIP spending against the prorated CIP in total and the CIP adjusted for the SRA. The prorated CIP is calculated by dividing the total fiscal year 2020 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.

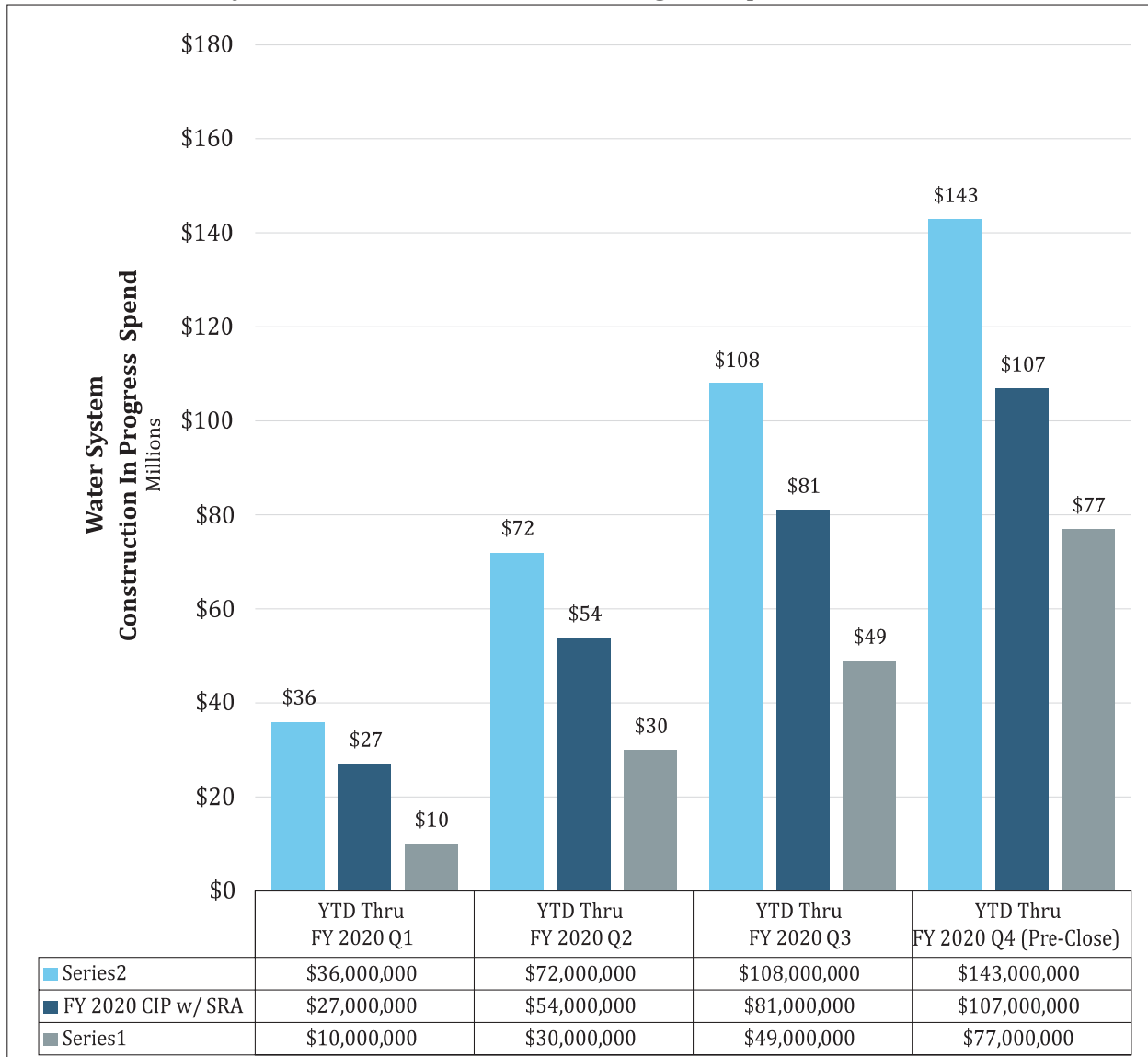
### **Chart 1 – Water System Construction in Work in Progress Spend**

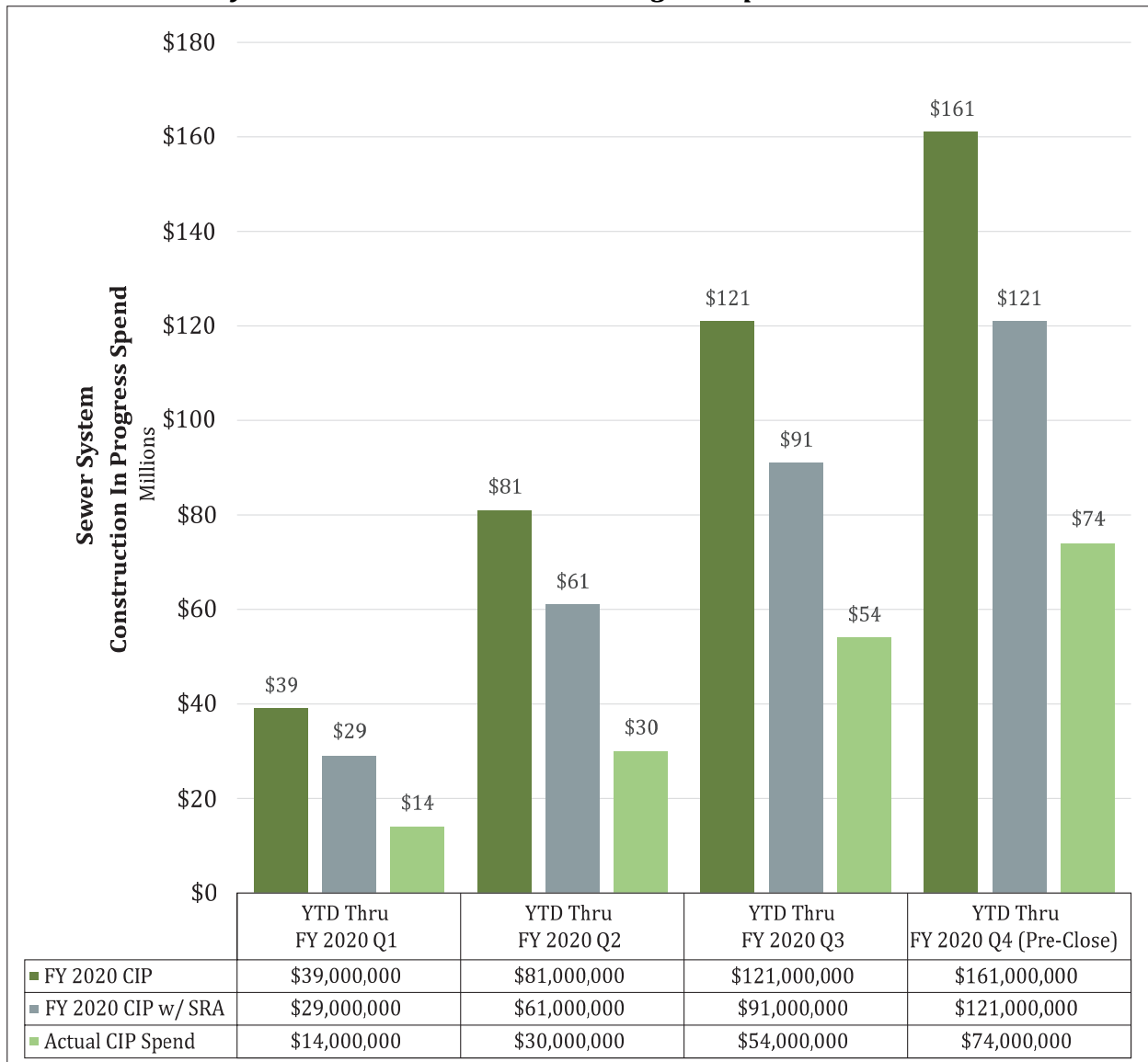
As June 2020, the Water system incurred nearly \$ 77 million of construction costs to date. This is 54% of the fiscal year 2020 prorated CIP through June and 72% of the financial plan which is labeled as the FY 2020 CIP w/SRA in the chart below.

### **Chart 2 – Sewer System Construction in Work in Progress Spend**

As of June 2020 the Sewer system incurred nearly \$ 74 million of construction costs to date. This is 46% of the fiscal year 2020 prorated CIP through June and 61% of the financial plan which is labeled as the FY 2020 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 2020 Water MBO Transfers*** reflects the required transfers for FY 2020 completed through June 1, 2020. MBO transfers for water totaling \$150.2 million have been transferred to GLWA accounts. An Operations & Maintenance transfer of \$4.6 million was returned to accommodate a 4<sup>th</sup> QTR FY 2020 budget amendment. This return of funds adjusts the total MBO transfers to \$145.6 million.

***Table 2 – GLWA FY 2020 Sewer MBO Transfers*** reflects the required transfers for FY 2020 completed through June 1, 2020. MBO transfers for sewer totaling \$215.5 million have been transferred to GLWA accounts. An Operations & Maintenance transfer of \$5.1 million was returned to accommodate a 4<sup>th</sup> QTR FY 2020 budget amendment. This return of funds adjusts the total MBO transfers to \$210.3 million.

***Table 3 – GLWA MBO Transfer History*** reflects historical transfers for FY 2016 through FY 2020 to date.

**Table 1 – GLWA FY 2020 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
<b>FY 2020</b>							
July 2019	\$10,957,542	\$504,000	\$891,308	\$165,067	-	-	\$12,517,917
August 2019	10,957,542	504,000	891,308	165,067	-	-	12,517,917
September 2019	10,957,542	504,000	891,308	165,067	-	-	12,517,917
October 2019	10,957,542	504,000	891,308	165,067	-	-	12,517,917
November 2019	10,957,542	504,000	891,308	165,067	-	-	12,517,917
December 2019	10,957,542	504,000	891,308	165,067	-	-	12,517,917
January 2020	10,957,542	504,000	891,308	165,067	-	-	12,517,917
February 2020	10,957,542	504,000	891,308	165,067	-	-	12,517,917
March 2020	10,957,542	504,000	891,308	165,067	-	-	12,517,917
April 2020	10,957,542	504,000	891,308	165,067	-	-	12,517,917
May 2020	10,957,542	504,000	891,308	165,067	-	-	12,517,917
June 2020	10,957,542	504,000	891,295	165,067	-	-	12,517,904
<b>Total MBO Transfers</b>	<b>131,490,504</b>	<b>6,048,000</b>	<b>10,695,683</b>	<b>1,980,804</b>	-	-	<b>150,214,991</b>
<i>Adjustment to MBO Transfers</i>							
June 2020	(4,650,300)	-	-	-	-	-	(4,650,300)
<b>Total FY 2020</b>	<b>\$126,840,204</b>	<b>\$6,048,000</b>	<b>\$10,695,683</b>	<b>\$1,980,804</b>	<b>\$0</b>	<b>\$0</b>	<b>\$145,564,691</b>

**Table 2 – GLWA FY 2020 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
<b>FY 2020</b>							
July 2019	\$15,588,100	\$902,000	\$1,223,959	\$240,608	-	-	\$17,954,667
August 2019	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
September 2019	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
October 2019	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
November 2019	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
December 2019	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
January 2020	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
February 2020	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
March 2020	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
April 2020	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
May 2020	15,588,100	902,000	1,223,959	240,608	-	-	17,954,667
June 2020	15,588,100	902,000	1,223,968	240,612	-	-	17,954,680
<b>Total MBO Transfers</b>	<b>187,057,200</b>	<b>10,824,000</b>	<b>14,687,517</b>	<b>2,887,300</b>	-	-	<b>215,456,017</b>
<i>Adjustment to MBO Transfers</i>							
June 2020	(5,131,400)	-	-	-	-	-	(5,131,400)
<b>Total FY 2020</b>	<b>\$181,925,800</b>	<b>\$10,824,000</b>	<b>\$14,687,517</b>	<b>\$2,887,300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$210,324,617</b>

**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 (12 months)	126,840,204	6,048,000	10,695,683	1,980,804	-	-	145,564,691
<b>Life to Date</b>	<b>\$552,897,012</b>	<b>\$30,218,300</b>	<b>\$52,681,475</b>	<b>\$10,261,704</b>	<b>\$2,686,900</b>	<b>\$606,000</b>	<b>\$649,351,391</b>
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 (12 months)	181,925,800	10,824,000	14,687,517	2,887,300	-	-	210,324,617
<b>Life to Date</b>	<b>\$840,808,992</b>	<b>\$54,148,800</b>	<b>\$72,115,109</b>	<b>\$13,696,896</b>	<b>\$8,246,100</b>	<b>\$779,600</b>	<b>\$989,795,497</b>

## **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 2020 Water MBO Transfers*** reflects the required transfers for FY 2020 completed through June 1, 2020. MBO transfers for Water totaling \$57.9 million have been transferred to accounts held by DWSD. For FY 2020, DWSD has requested that \$3,548,000 of the lease payment be utilized to offset a portion of debt service.

***Table 5 – DWSD FY 2020 Sewer MBO Transfers*** reflects the required transfers for FY 2020 completed through June 1, 2020. MBO transfers for Sewer totaling \$87.7 million have been transferred to accounts held by DWSD. For FY 2020, DWSD has requested that \$5,032,700 of the lease payment be utilized to offset a portion of debt service of which one-twelfth is applied monthly. DWSD has also requested that for December 2019 – June 2020, \$1 million be withheld each month from the Operations & Maintenance transfer to address FY 2020 projected shortfall in retail revenue collections. Lastly, Operations & Maintenance transfers of \$2.6 million in December 2019 and \$4.5 million in February 2020 have been returned from DWSD to address the FY 2020 projected shortfall. This return of funds adjusts the total MBO transfers through June 1, 2020 to \$80.6 million.

***Table 6 – DWSD MBO and Lease Payment Transfer History*** reflects historical transfers for FY 2016 through FY 2020 to date.

**Table 4 – DWSD FY 2020 Water MBO Transfers**

WATER				
	Operations & Maintenance	Pension	Lease Payment (I&E Fund)	Total Water
<b>FY 2020</b>				
July 2019	\$2,888,533	\$356,000	\$1,579,333	\$4,823,866
August 2019	2,888,533	356,000	1,579,333	4,823,866
September 2019	2,888,533	356,000	1,579,333	4,823,866
October 2019	2,888,533	356,000	1,579,333	4,823,866
November 2019	2,888,533	356,000	1,579,333	4,823,866
December 2019	2,888,533	356,000	1,579,333	4,823,866
January 2020	2,888,533	356,000	1,579,333	4,823,866
February 2020	2,888,533	356,000	1,579,333	4,823,866
March 2020	2,888,533	356,000	1,579,333	4,823,866
April 2020	2,888,533	356,000	1,579,333	4,823,866
May 2020	2,888,533	356,000	1,579,333	4,823,866
June 2020	2,888,537	356,000	1,579,337	4,823,874
<b>Total FY 2020</b>	<b>\$34,662,400</b>	<b>\$4,272,000</b>	<b>\$18,952,000</b>	<b>\$57,886,400</b>

**Table 5 – DWSD FY 2020 Sewer MBO Transfers**

SEWER				
	Operations & Maintenance	Pension	Lease Payment (I&E Fund)	Total Sewer
<b>FY 2020</b>				
July 2019	\$5,778,625	\$238,000	\$1,872,275	\$7,888,900
August 2019	5,778,625	238,000	1,872,275	7,888,900
September 2019	5,778,625	238,000	1,872,275	7,888,900
October 2019	5,778,625	238,000	1,872,275	7,888,900
November 2019	5,778,625	238,000	1,872,275	7,888,900
December 2019	4,778,625	238,000	1,872,275	6,888,900
January 2020	4,778,625	238,000	1,872,275	6,888,900
February 2020	4,778,625	238,000	1,872,275	6,888,900
March 2020	4,778,625	238,000	1,872,275	6,888,900
April 2020	4,778,625	238,000	1,872,275	6,888,900
May 2020	4,778,625	238,000	1,872,275	6,888,900
June 2020	4,778,625	238,000	1,872,275	6,888,900
<b>Total MBO Transfers</b>	<b>62,343,500</b>	<b>2,856,000</b>	<b>22,467,300</b>	<b>87,666,800</b>
<i>Adjustment to MBO Transfers</i>				
December 2019	(2,600,000)	-	-	(2,600,000)
February 2020	(4,500,000)	-	-	(4,500,000)
<b>Total FY 2020</b>	<b>\$55,243,500</b>	<b>\$2,856,000</b>	<b>\$22,467,300</b>	<b>\$80,566,800</b>

**Table 6 – DWSD MBO and Lease Payment Transfer History**

Transfers to DWSD				
WATER				
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Water
<b>FY 2016 *</b>				
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
<b>FY 2017</b>				
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
<b>FY 2018</b>				
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
<b>FY 2019</b>				
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
<b>FY 2020 (12 months)</b>				
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
<b>Life-to-Date</b>				
MBO/Lease Requirement	164,988,404	21,341,100	112,500,000	298,829,504
Offsets	-	-	(11,722,100)	(11,722,100)
<b>Total Water</b>	<b>\$164,988,404</b>	<b>\$21,341,100</b>	<b>\$100,777,900</b>	<b>287,107,404</b>
SEWER				
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Sewer
<b>FY 2016 *</b>				
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
<b>FY 2017</b>				
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
<b>FY 2018</b>				
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
<b>FY 2019</b>				
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
<b>FY 2020 (12 months)</b>				
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
<b>Life-to-Date</b>				
MBO/Lease Requirement	240,939,312	14,291,800	137,500,000	392,731,112
Offsets	(7,100,000)	-	(38,605,864)	(45,705,864)
<b>Total Sewer</b>	<b>\$233,839,312</b>	<b>\$14,291,800</b>	<b>\$98,894,136</b>	<b>347,025,248</b>

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

This report includes the following:

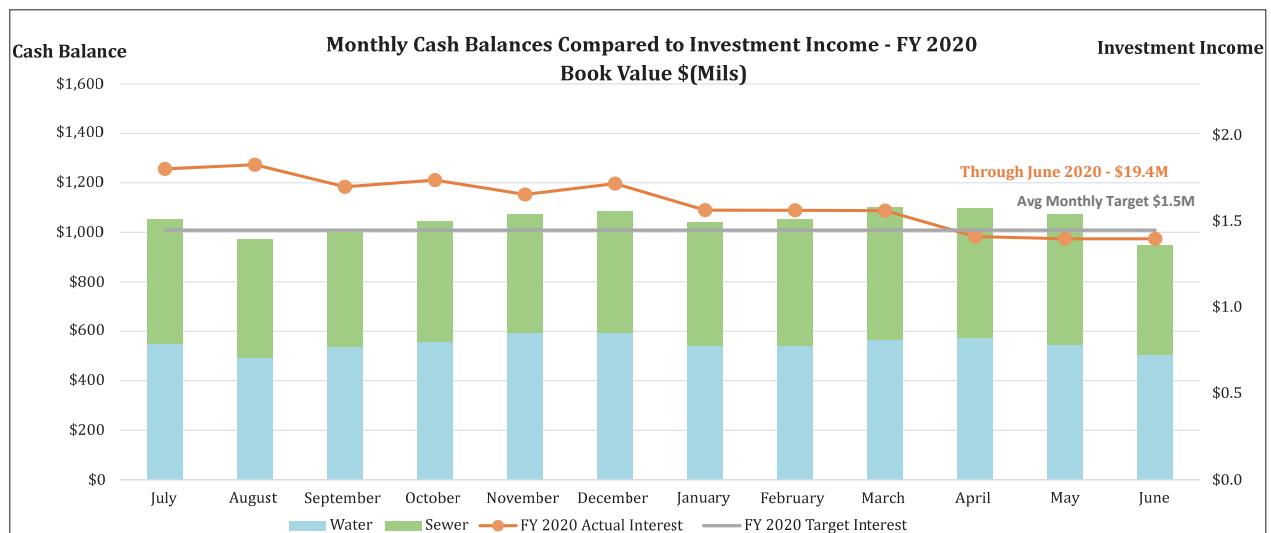
1. Monthly Cash Balances Compared to Investment Income
2. Cash Balance Detail

## Monthly Cash Balances Compared to Investment Income

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

Cash and investment balances change each month based on Master Bond Ordinance (MBO) funding requirements, operational needs, capital spending pace, and mandatory debt payments. Investment income fluctuates monthly based on cash and investment balances as well as market conditions and investment strategy. The cumulative investment income through June 2020 of \$19.4 million, has exceeded the FY 2020 target of \$17.4 million.

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



\$(Mils)	July	August	September	October	November	December	January	February	March	April	May	June
Water	\$549	\$494	\$536	\$555	594	592	541	541	566	575	547	506
Sewer	\$501	\$479	\$464	\$489	479	493	498	510	536	524	526	443
Total	\$1,050	\$973	\$1,000	\$1,044	\$1,073	\$1,085	\$1,039	\$1,052	\$1,102	\$1,099	\$1,073	\$949
Investment Income	\$1.8	\$1.8	\$1.7	\$1.7	\$1.7	\$1.7	\$1.6	\$1.6	\$1.6	\$1.4	\$1.4	\$1.4



## Cash Balance Detail

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

### ***Funds Held Within Trust:***

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

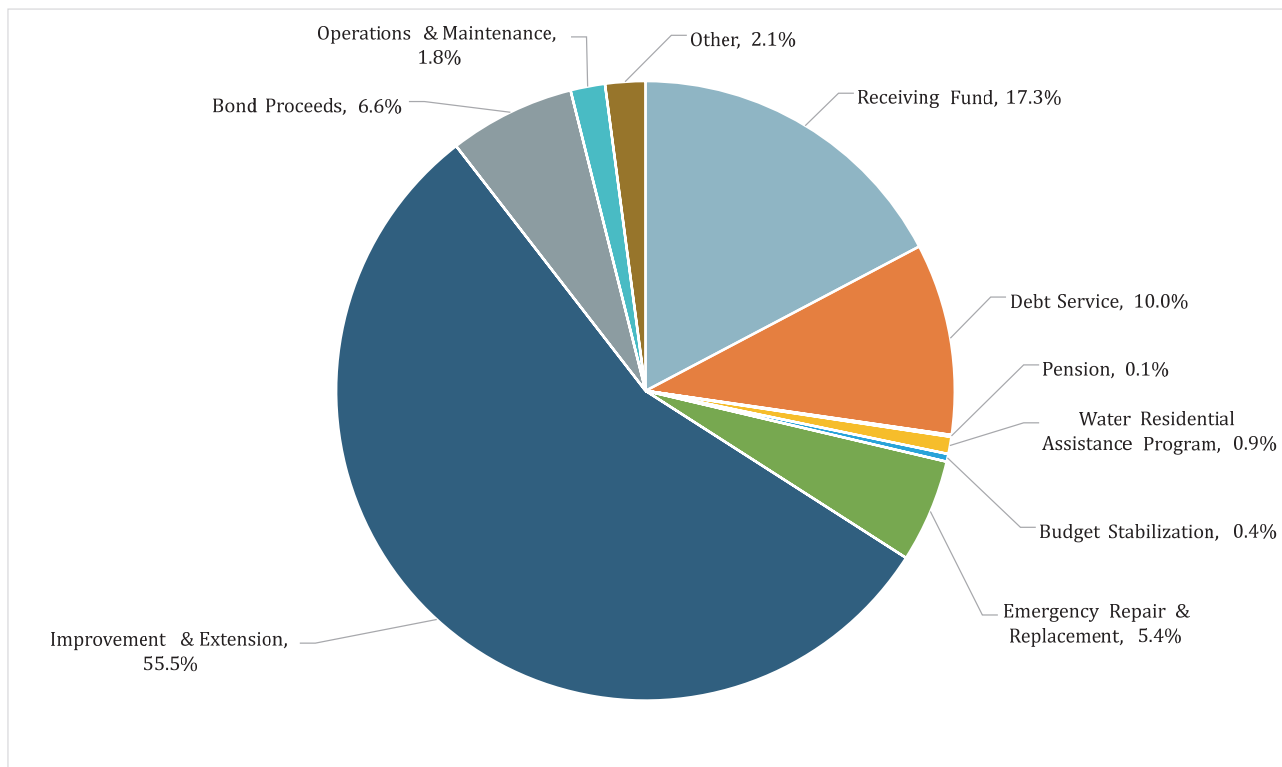
### ***Funds Held Outside Trust:***

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

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

**Chart 2 – Cash Balances - Water Funds as of June 30, 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 June 30, 2020 is \$506 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 June 30, 2020**

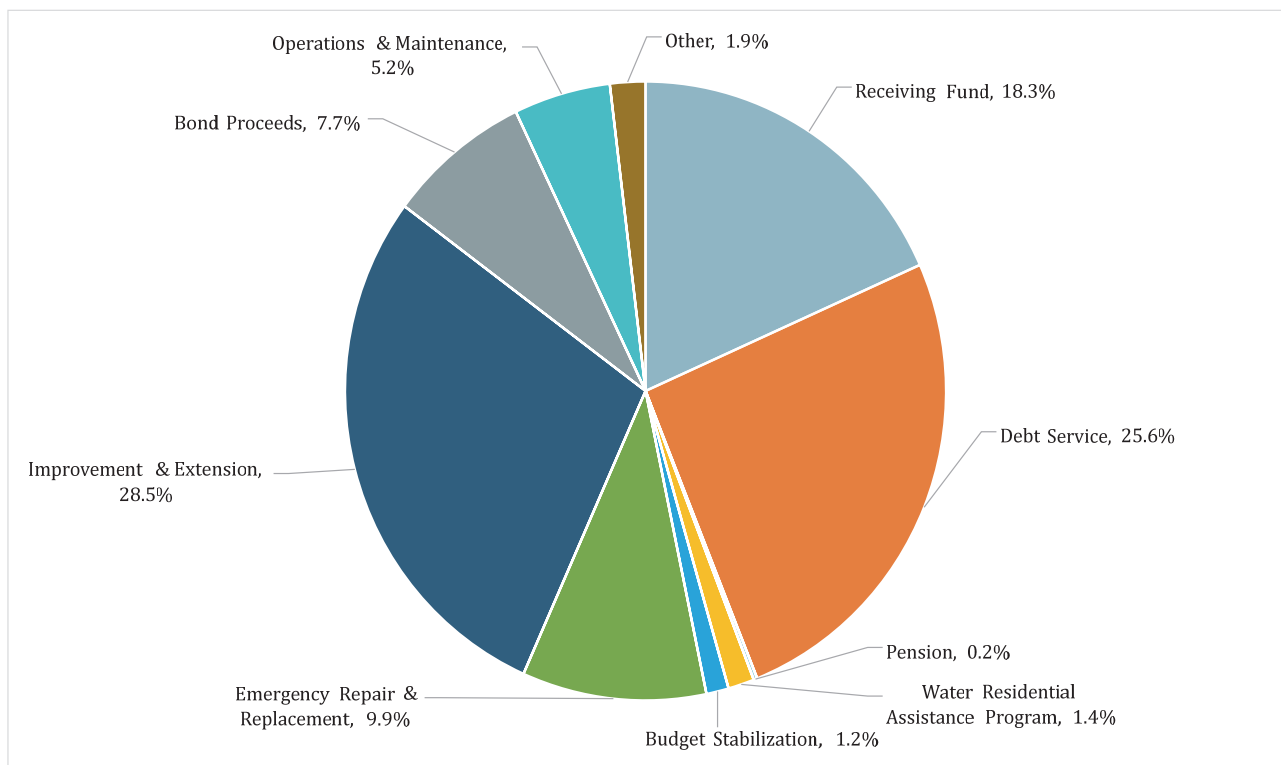


**Note:** Due to rounding totals may not equal 100%.

**Chart 3 – Cash Balances - Sewer Funds as of June 30, 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 June 30, 2020 is \$443 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 Funds I&E deposits has been less than budget to address 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 June 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 2020 water usage and billed revenue which are provided by DWSD staff. As of June 30, 2020, the DWSD usage was at 91.61% of the budget and billed revenue was at 96.96% 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 2020 - Budget/Goal			FY 2020 - Actual			FY 2020 - Variance	
	Volume	Revenue	Unit Revenue	Volume	Revenue (2)	Unit Revenue	Volume	Revenue
	Mcf	\$	\$/Mcf	Mcf	\$	\$/Mcf	Mcf	\$
July	286,871	9,909,302	34.54	267,054	9,802,572	36.71	(19,817)	(106,730)
August	288,810	9,698,584	33.58	259,489	9,601,097	37.00	(29,321)	(97,487)
September	246,846	9,159,992	37.11	228,961	8,811,834	38.49	(17,885)	(348,158)
October	228,814	8,288,490	36.22	217,031	8,578,738	39.53	(11,783)	290,248
November	218,154	8,078,402	37.03	200,432	7,879,694	39.31	(17,722)	(198,708)
December	216,372	7,975,070	36.86	201,225	7,811,106	38.82	(15,147)	(163,964)
January	228,259	8,282,968	36.29	205,993	7,981,382	38.75	(22,266)	(301,586)
February	225,150	8,294,177	36.84	196,490	7,748,377	39.43	(28,660)	(545,800)
March	222,601	8,159,386	36.65	198,483	7,755,210	39.07	(24,118)	(404,176)
April	215,049	8,120,879	37.76	191,691	7,550,074	39.39	(23,358)	(570,805)
May	230,957	8,499,721	36.80	207,387	7,929,281	38.23	(23,570)	(570,440)
June	254,554	9,084,129	35.69	248,085	8,951,538	36.08	(6,469)	(132,591)
<b>Total</b>	<b>2,862,437</b>	<b>103,551,100</b>	<b>36.18</b>	<b>2,622,321</b>	<b>100,400,903</b>	<b>38.29</b>	<b>(240,116)</b>	<b>(3,150,197)</b>
<i>Subtotals ytd</i>	<i>2,862,437</i>	<i>103,551,100</i>	<i>36.18</i>	<i>2,622,321</i>	<i>100,400,903</i>	<i>38.29</i>	<i>(240,116)</i>	<i>(3,150,197)</i>
<i>Achievement of Budget</i>				<i>91.61%</i>	<i>96.96%</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 2 – DWSD Retail Water Collections**

Water				
Month	Current Year	Prior Year	Variance	Ratio
July	8,093,394	7,858,272	235,122	2.99%
August	8,671,848	8,692,784	(20,936)	-0.24%
September	8,610,801	9,766,449	(1,155,648)	-11.83%
October	9,619,977	9,015,400	604,577	6.71%
November	7,067,667	7,938,517	(870,850)	-10.97%
December	8,597,558	7,297,698	1,299,860	17.81%
January	9,076,091	8,158,817	917,274	11.24%
February	8,281,985	7,927,299	354,686	4.47%
March	6,948,308	8,707,578	(1,759,270)	-20.20%
April	5,956,105	8,475,657	(2,519,552)	-29.73%
May	8,109,469	8,415,767	(306,298)	-3.64%
June	7,821,791	7,554,457	267,334	3.54%
<b>Rolling, 12-Month Total</b>	<b>96,854,994</b>	<b>99,808,695</b>		
<b>Rolling, 12-Month Average</b>	<b>8,071,250</b>	<b>8,317,391</b>		

## 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 2020 sewer billed revenue which are provided by DWSD staff. As of June 30, 2020, the DWSD usage was at 94.89% of the budget and billed revenue was at 97.23% 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 2020 - Budget/Goal		FY 2020 - Actual		FY 2020 - Variance	
	Volume	Revenue	Volume	Revenue (2)	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$
July	251,738	28,411,752	244,810	28,049,707	(6,928)	(362,045)
August	258,984	28,203,880	246,989	28,076,649	(11,995)	(127,231)
September	255,527	26,665,228	215,119	26,430,710	(40,408)	(234,518)
October	227,141	26,320,755	238,202	27,549,787	11,061	1,229,032
November	211,617	25,636,010	188,779	24,726,161	(22,838)	(909,849)
December	195,192	25,781,759	186,917	24,853,335	(8,275)	(928,424)
January	197,099	26,217,157	190,230	24,857,510	(6,869)	(1,359,647)
February	206,164	26,188,433	187,219	24,524,288	(18,945)	(1,664,145)
March	200,672	26,341,924	186,521	24,784,918	(14,151)	(1,557,006)
April	204,606	25,768,745	180,397	24,538,664	(24,209)	(1,230,081)
May	203,480	27,060,809	192,362	25,035,540	(11,118)	(2,025,269)
June	218,340	27,252,091	238,679	27,572,637	20,339	320,546
<b>Total</b>	<b>2,630,560</b>	<b>319,848,543</b>	<b>2,496,224</b>	<b>310,999,906</b>	<b>(134,336)</b>	<b>(8,848,637)</b>
<i>Subtotals ytd</i>	<i>2,630,560</i>	<i>319,848,543</i>	<i>2,496,224</i>	<i>310,999,906</i>	<i>(134,336)</i>	<i>(8,848,637)</i>
<i>Achievement of Budget/Goal</i>			<i>94.89%</i>	<i>97.23%</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
July	20,940,157	27,332,605	(6,392,448)	-23.39%
August	23,175,643	21,746,714	1,428,929	6.57%
September	21,972,754	23,727,505	(1,754,751)	-7.40%
October	26,321,010	23,938,933	2,382,077	9.95%
November	17,546,180	20,624,039	(3,077,859)	-14.92%
December	25,889,823	19,612,154	6,277,669	32.01%
January	23,512,702	19,612,154	3,900,548	19.89%
February	22,682,982	20,624,039	2,058,943	9.98%
March	19,325,377	22,111,691	(2,786,314)	-12.60%
April	17,105,146	20,930,511	(3,825,365)	-18.28%
May	23,639,652	22,807,283	832,369	3.65%
June	22,558,827	20,426,151	2,132,676	10.44%
<b>Rolling 12-Month Total</b>	<b>264,670,253</b>	<b>263,493,779</b>		
<b>Rolling, 12-Month Average</b>	<b>22,055,854</b>	<b>21,957,815</b>		

## 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 June 30, 2020 with comparative totals from June 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	204,254	\$ 445.35	\$ 12,589,000 13.8%	\$ 6,386,000 7.0%	\$ 16,616,000 18.3%	\$ 55,373,000 60.9%	\$ 90,964,000 100.0%
Commercial	20,604	1,628.22	6,943,000 20.7%	2,228,000 6.6%	5,739,000 17.1%	18,638,000 55.6%	33,548,000 100.0%
Industrial	2,138	5,899.57	3,315,000 26.3%	969,000 7.7%	2,129,000 16.9%	6,200,000 49.2%	12,613,000 100.0%
Tax Exempt	3,448	845.24	391,000 13.4%	141,000 4.8%	449,000 15.4%	1,935,000 66.4%	2,914,000 100.0%
Government	66,055	270.39	2,862,000 16.0%	1,627,000 9.1%	2,737,000 15.3%	10,634,000 59.5%	17,860,000 100.0%
Drainage	33,753	830.58	2,335,000 8.3%	1,524,000 5.4%	3,853,000 13.7%	20,322,000 72.5%	28,035,000 100.0%
<b>Subtotal - Active Accounts</b>	<b>330,252</b>	<b>\$ 563.01</b>	<b>\$ 28,435,000</b> 15.3%	<b>\$ 12,875,000</b> 6.9%	<b>\$ 31,523,000</b> 17.0%	<b>\$ 113,102,000</b> 60.8%	<b>\$ 185,935,000</b> 100.0%
Inactive Accounts	284,363	98.16	18,000 0.1%	54,000 0.2%	649,000 2.3%	27,191,000 97.4%	27,912,000 100.0%
<b>Total</b>	<b>614,615</b>	<b>\$ 347.94</b>	<b>\$ 28,452,000</b> 13.3%	<b>\$ 12,929,000</b> 6.0%	<b>\$ 32,172,000</b> 15.0%	<b>\$ 140,293,000</b> 65.6%	<b>\$ 213,846,000</b> 100.0%
<i>% of Total A/R</i>							
Water Fund	222,450	181.67	\$ 6,276,000	\$ 1,921,000	\$ 5,907,000	\$ 26,308,000	\$ 40,412,000
Sewer Fund	246,558	703.42	\$ 22,176,000	\$ 11,007,000	\$ 26,265,000	\$ 113,985,000	\$ 173,434,000
<b>Total June 30, 2020 (a)</b>	<b>614,615</b>	<b>347.94</b>	<b>\$ 28,452,000</b>	<b>\$ 12,929,000</b>	<b>\$ 32,172,000</b>	<b>\$ 140,293,000</b>	<b>\$ 213,846,000</b>
Water Fund- Allowance							\$ (31,718,000)
Sewer Fund- Allowance							\$ (103,850,000)
<b>Total June 30, 2019 Bad Debt Allowance</b>							<b>\$ (135,569,000)</b>
<b>Comparative - June 2019 (b)</b>	<b>594,446</b>	<b>301.81</b>	<b>\$ 28,767,000</b>	<b>\$ 11,270,000</b>	<b>\$ 31,631,000</b>	<b>\$ 107,741,000</b>	<b>\$ 179,408,000</b>
<b>Difference (a) - (b)</b>	<b>20,169</b>	<b>46.13</b>	<b>\$ (314,000)</b>	<b>\$ 1,659,000</b>	<b>\$ 541,000</b>	<b>\$ 32,552,000</b>	<b>\$ 34,438,000</b>





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 2020 water billed usage and revenues. As of June 30, 2020, the billed usage was at 100.78% of budget and billed revenue at 100.45% of budget. Billings and usage from the City of Flint are included as they were assumed in the FY 2020 Budget.

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

**Table 2 - Wholesale Water Collections** shows collections by month for the past 12 months compared to collections for the prior year as well as the calculated difference between the periods. The difference in rolling average from current year to prior year reflects the gentle downward trend in water usage over time.

**Table 1 – FY 2020 Wholesale Water Billings Report**

WHOLESALE WATER CUSTOMERS								
Month (1)	FY 2020 - Budget/Goal			FY 2020 - Actual			FY 2020 - Variance	
	Volume	Revenue	Unit	Volume	Revenue	Unit	Volume	Revenue
	Mcf	\$	\$/Mcf	Mcf	\$	\$/Mcf	Mcf	\$
July	1,777,138	32,544,400	18.31	1,545,631	30,356,570	19.64	(231,507)	(2,187,830)
August	1,549,587	30,383,100	19.61	1,554,426	30,501,606	19.62	4,839	118,506
September	1,368,496	28,270,400	20.66	1,257,111	27,278,750	21.70	(111,385)	(991,650)
October	1,066,653	25,351,200	23.77	1,026,086	25,007,145	24.37	(40,567)	(344,055)
November	917,034	24,049,100	26.22	905,016	23,933,012	26.44	(12,018)	(116,088)
December	1,004,420	24,714,000	24.61	983,589	24,535,948	24.95	(20,831)	(178,052)
January	1,018,192	24,861,000	24.42	945,874	24,246,312	25.63	(72,318)	(614,688)
February	893,007	23,780,800	26.63	878,794	23,689,167	26.96	(14,213)	(91,633)
March	1,008,766	24,753,300	24.54	971,559	24,450,282	25.17	(37,207)	(303,018)
April	948,751	24,262,000	25.57	884,232	23,725,074	26.83	(64,519)	(536,926)
May	1,073,966	25,549,300	23.79	1,017,096	25,087,428	24.67	(56,870)	(461,872)
June	1,383,200	28,596,500	20.67	1,609,292	31,068,810	19.31	226,092	2,472,310
YE Bdgt Amd	(535,200)	(4,650,300)						
<b>Total</b>	<b>13,474,010</b>	<b>312,464,800</b>	<b>23.19</b>	<b>13,578,706</b>	<b>313,880,104</b>	<b>23.12</b>	<b>(430,504)</b>	<b>(3,234,996)</b>
Subtotals ytd	13,474,010	312,464,800	23.19	13,578,706	313,880,104	23.12	104,696	1,415,304
Achievement of Budget				100.78%	100.45%			

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

**Table 2 - Wholesale Water Collections**

Water				
Month	Current Year	Prior Year	Variance	Ratio
July	23,212,979	21,923,590	1,289,389	5.88%
August	28,808,254	31,920,586	(3,112,332)	-9.75%
September	28,336,152	26,037,313	2,298,839	8.83%
October	25,786,774	27,827,722	(2,040,948)	-7.33%
November	29,245,969	29,238,260	7,709	0.03%
December	23,292,382	27,720,646	(4,428,264)	-15.97%
January	25,470,795	23,430,974	2,039,821	8.71%
February	24,629,768	26,147,082	(1,517,314)	-5.80%
March	25,017,989	24,967,264	50,725	0.20%
April	17,856,644	23,045,654	(5,189,010)	-22.52%
May	24,811,582	20,749,943	4,061,639	19.57%
June	27,028,783	25,676,458	1,422,325	5.54%
<b>Rolling 12-Month Total</b>	<b>25,297,339</b>	<b>25,723,791</b>		
<b>Rolling, 12-Month Average</b>				

## Wholesale Sewer Billings and Collections

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

### Service Arrangement Type

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

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

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

**Table 3 - Wholesale Sewer Billings** shows the FY 2020 sewer billed revenue. As of June 30, 2020 the billed revenue is at 100.00% of budget.

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

**Table 4 - Wholesale Sewer Collections** shows collections by month for the past 12 months compared to collections for the prior year as well as the calculated difference between the periods. The year-over-year rolling average from FY 2019 to FY 2020 remains consistent.

The shift in wholesale sewer collection patterns is largely attributable to the timing of payments received. There are several large accounts whose payments swing between the end of the current month and the beginning of the next month.

**Table 3 – FY 2020 Wholesale Sewer Billings Report**

WHOLESALE SEWER CUSTOMERS						
Month (1)	FY 2020 - Budget/Goal		FY 2020 - Actual		FY 2020 - Variance	
	Volume (2)	Revenue	Volume (2)	Revenue	Volume (2)	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$
July	N/A	22,323,183	N/A	22,323,183	N/A	-
August	N/A	22,323,183	N/A	22,323,183	N/A	-
September	N/A	22,323,183	N/A	22,323,183	N/A	-
October	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	-
December	N/A	22,323,183	N/A	22,323,183	N/A	-
January	N/A	22,323,183	N/A	22,323,183	N/A	-
February	N/A	22,323,183	N/A	22,323,183	N/A	-
March	N/A	22,323,183	N/A	22,323,183	N/A	-
April	N/A	22,323,183	N/A	22,323,183	N/A	-
May	N/A	22,323,183	N/A	22,323,183	N/A	-
June	N/A	22,323,183	N/A	22,323,183	N/A	-
<b>Total</b>		267,878,196		267,878,196		-
<i>Subtotals ytd</i>		267,878,196		267,878,196		-
<i>Achievement of Budget</i>				100.00%		

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

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

**Table 4 - Wholesale Sewer Collections**

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
July	27,222,400	16,179,117	11,043,283	68.26%
August	35,153,500	28,384,600	6,768,900	23.85%
September	18,833,257	22,672,400	(3,839,143)	-16.93%
October	29,833,760	16,105,200	13,728,560	85.24%
November	19,428,000	28,633,300	(9,205,300)	-32.15%
December	19,999,642	24,440,000	(4,440,358)	-18.17%
January	17,121,812	26,874,927	(9,753,115)	-36.29%
February	23,284,737	13,895,100	9,389,637	67.58%
March	21,108,100	22,388,600	(1,280,500)	-5.72%
April	10,024,575	23,203,703	(13,179,128)	-56.80%
May	21,189,047	9,284,000	11,905,047	128.23%
June	28,598,467	32,639,436	(4,040,969)	-12.38%
<b>Rolling 12-Month Total</b>	<del>221,797,775</del>	<del>264,798,383</del>		
<b>Rolling, 12-Month Average</b>	, , , , ,	, , , , ,		

## City of Highland Park Billings and Collections

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

As of June 30, 2020, Highland Park had a delinquent balance of \$44.3 million, including \$34.1 million for wastewater treatment services, \$1.7 million for industrial waste control services, and \$8.5 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 2020 through June 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
July 31, 2019 Balance	7,455,746	31,940,744	1,679,363	41,075,854
August 2019 Billing	106,638	472,500	4,026	583,164
August 2019 Payments	-	-	-	-
August 31, 2019 Balance	7,562,384	32,413,244	1,683,389	41,659,018
September 2019 Billing	108,007	472,500	4,014	584,521
September 2019 Payments	-	(656,657)	-	(656,657)
September 30, 2019 Balance	7,670,391	32,229,087	1,687,403	41,586,882
October 2019 Billing	107,422	472,500	3,933	583,855
October 2019 Payments	-	-	-	-
October 31, 2019 Balance	7,777,814	32,701,587	1,691,336	42,170,737
November 2019 Billing	101,003	472,500	3,948	577,451
November 2019 Payments	-	-	-	-
November 30, 2019 Balance	7,878,817	33,174,087	1,695,284	42,748,188
December 2019 Billing	98,501	472,500	3,845	574,846
December 2019 Payments	-	-	-	-
December 31, 2019 Balance	7,977,318	33,646,587	1,699,129	43,323,034
January 2020 Billing	85,342	472,500	3,853	561,695
January 2020 Payments	-	(1,561,812)	-	(1,561,812)
January 31, 2020 Balance	8,062,660	32,557,275	1,702,982	42,322,917
February 2020 Billing	93,589	472,500	3,892	569,981
February 2020 Payments	-	-	-	-
February 28, 2020 Balance	8,156,249	33,029,775	1,706,874	42,892,898
March 2020 Billing	92,950	472,500	3,906	569,356
March 2020 Payments	-	-	-	-
March 31, 2020 Balance	8,249,199	33,502,275	1,710,780	43,462,254
April 2020 Billing	94,738	472,500	3,905	571,143
April 2020 Payments	-	-	-	-
April 30, 2020 Balance	8,343,937	33,974,775	1,714,685	44,033,397
May 2020 Billing	92,674	472,500	3,824	568,998
May 2020 Payments	-	(807,648)	-	(807,648)
May 31, 2020 Balance	8,436,611	33,639,627	1,718,509	43,794,747
June 2020 Billing	97,073	472,500	3,831	573,404
June 2020 Payments	-	-	-	-
June 30, 2020 Balance	8,533,684	34,112,127	1,722,340	44,368,151

## Wholesale Water & Sewer Accounts Receivable Aging Report

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

**Table 6 - Wholesale Accounts Receivable Aging Report Summary** is a summary of the total, current and non-current receivables by category as of June 30, 2020. The water past due balance of \$29 thousand and \$23 thousand relate mainly to one community. The past due balance was paid in full in early July.

**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.

**Table 6 - Wholesale Accounts Receivable Aging Report Summary**

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 38,769,605.17	\$ 30,373,448.06	\$ 123,972.08	\$ 115,936.22	\$ 8,156,248.81
Sewer	\$ 53,321,993.24	\$ 19,682,366.44	\$ 472,500.00	\$ 472,500.00	\$ 32,694,626.80
IWC	\$ 2,218,289.55	\$ 493,308.02	\$ 5,722.34	\$ -	\$ 1,719,259.19
Pollutant Surcharge	\$ 934,847.75	\$ 810,142.46	\$ 33,847.40	\$ 20,290.73	\$ 70,567.16
<b>Total</b>	<b>\$ 95,244,735.71</b>	<b>\$ 51,359,264.98</b>	<b>\$ 636,041.82</b>	<b>\$ 608,726.95</b>	<b>\$ 42,640,701.96</b>
	100.00%	53.92%	0.67%	0.64%	44.77%

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

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 30,235,920.81	\$ 30,183,700.71	\$ 29,234.01	\$ 22,986.09	\$ -
Sewer	\$ 19,209,866.44	\$ 19,209,866.44	\$ -	\$ -	\$ -
IWC	\$ 495,949.15	\$ 485,652.32	\$ 1,816.75	\$ -	\$ 8,480.08
Pollutant Surcharge	\$ 934,847.75	\$ 810,142.46	\$ 33,847.40	\$ 20,290.73	\$ 70,567.16
<b>Total</b>	<b>\$ 50,876,584.15</b>	<b>\$ 50,689,361.93</b>	<b>\$ 64,898.16</b>	<b>\$ 43,276.82</b>	<b>\$ 79,047.24</b>
	100.00%	99.63%	0.13%	0.09%	0.16%

**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 2020 reflects twelve months of activity to date.

Water fund receipts exceeded required disbursements by 12% through June 30, 2020 with a historical ratio of receipts exceeding required disbursements by 15% since January 1, 2016.

Sewer fund receipts exceeded required disbursements by 10% through June 30, 2020 with a historical ratio of receipts exceeding required disbursements by 6% since January 1, 2016. FY 2020 activity is high due in part to a one-time capital contribution of \$11.9 million by the Oakland Macomb Interceptor Drainage District in December 2019 as part of a recent contract amendment.

**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.

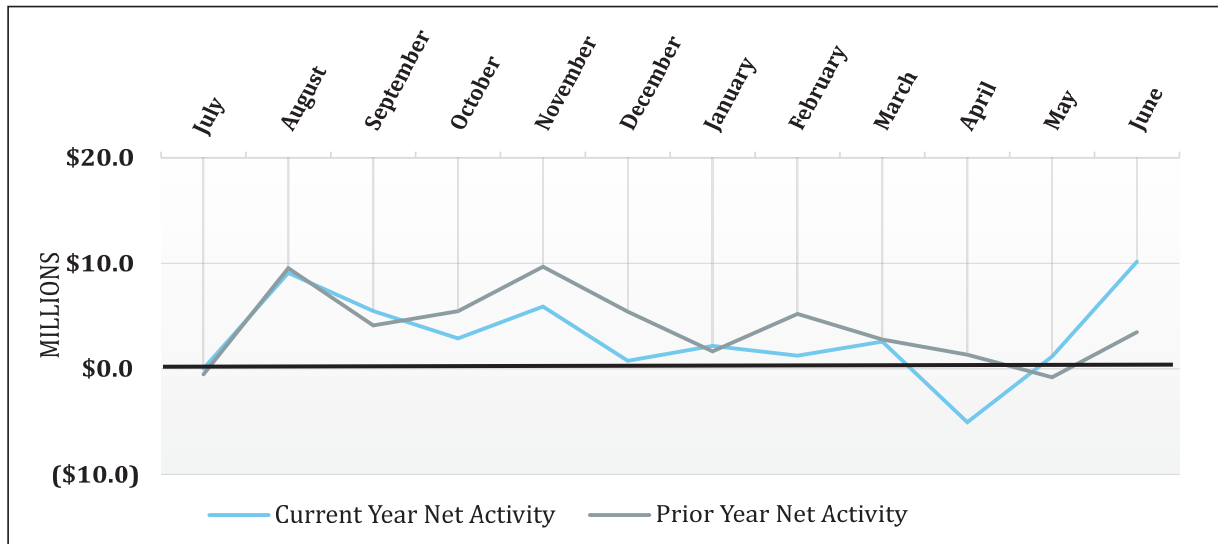
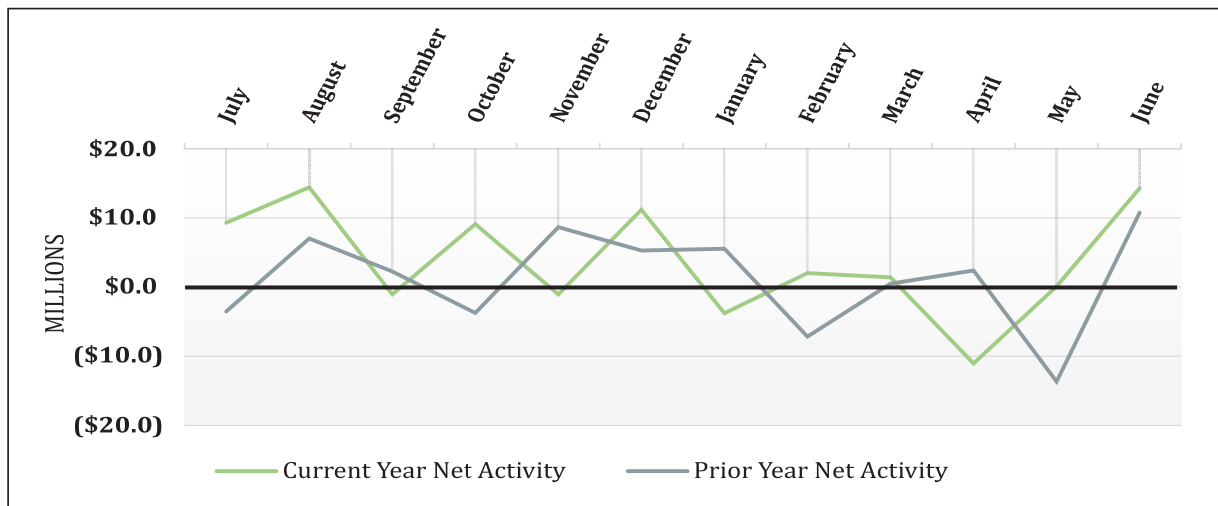


**Chart 2 – GLWA 12-Month Net Receipts – Sewer** outlines monthly cash receipt trends across two points of reference for the regional sewer system—current year and prior year. The black line at the zero highlights the minimum goal for net receipts.

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

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020 Thru June 30	Life-to-Date Total
<b>Water</b>						
1 Receipts	\$ 149,688,711	\$ 352,941,909	\$ 338,452,001	\$ 336,594,234	\$ 332,606,196	\$ 1,510,283,051
2 MOU Adjustments	-	-	-	-	-	-
3 Adjusted Receipts	149,688,711	352,941,909	338,452,001	336,594,234	332,606,196	1,510,283,051
4 Disbursements	(146,256,185)	(288,777,985)	(297,064,810)	(289,230,481)	(296,190,425)	(1,317,519,886)
5 Receipts Net of Required Transfers	3,432,526	64,163,924	41,387,191	47,363,753	36,415,771	192,763,165
6 I&E Transfer	-	-	(25,739,700)	(47,695,000)	(25,719,751)	(99,154,451)
7 Net Receipts	\$ 3,432,526	\$ 64,163,924	\$ 15,647,491	\$ (331,247)	\$ 10,696,020	\$ 93,608,714
8 Ratio of Receipts to Required Disbursements (Line 3/Line 4)	102%	122%	114%	116%	112%	115%
<b>Sewer</b>						
9 Receipts	\$ 232,377,715	\$ 469,788,882	\$ 476,269,761	\$ 467,743,744	\$ 490,461,356	\$ 2,136,641,458
10 MOU Adjustments	-	-	-	-	-	-
11 Adjusted Receipts	232,377,715	469,788,882	476,269,761	467,743,744	490,461,356	2,136,641,458
12 Disbursements	(219,538,325)	(441,443,340)	(458,903,335)	(453,406,636)	(445,604,952)	(2,018,896,588)
13 Receipts Net of Required Transfers	12,839,390	28,345,542	17,366,426	14,337,108	44,856,404	117,744,870
14 I&E Transfer	-	-	(22,698,100)	(22,547,700)	(19,096,200)	(64,342,000)
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	26,910,024
17 Net Receipts	\$ 11,553,924	\$ 331,008	\$ (29,444,708)	\$ 1,156,763	\$ 43,302,873	\$ 26,899,860
18 Ratio of Receipts to Required Disbursements (Line 11/Line 12)	106%	106%	104%	103%	110%	106%
<b>Combined</b>						
19 Receipts	\$ 382,066,426	\$ 822,730,791	\$ 814,721,762	\$ 804,337,978	\$ 823,067,552	\$ 3,646,924,509
20 MOU Adjustments	-	-	-	-	-	-
21 Adjusted Receipts	382,066,426	822,730,791	814,721,762	804,337,978	823,067,552	3,646,924,509
22 Disbursements	(365,794,510)	(730,221,325)	(755,968,145)	(742,637,117)	(741,795,377)	(3,336,416,474)
23 Receipts Net of Required Transfers	16,271,916	92,509,466	58,753,617	61,700,861	81,272,175	310,508,035
24 I&E Transfer	-	-	(48,437,800)	(70,242,700)	(44,815,951)	(163,496,451)
25 Shortfall Advance	(1,285,466)	(28,014,534)	(24,113,034)	-	-	(53,413,034)
26 Shortfall Repayment	-	-	-	9,367,355	17,542,669	26,910,024
27 Net Receipts	\$ 14,986,450	\$ 64,494,932	\$ (13,797,217)	\$ 825,516	\$ 53,998,893	\$ 120,508,574
28 Ratio of Receipts to Required Disbursements (Line 21/Line 22)	104%	113%	108%	108%	111%	109%

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

**Chart 1 – GLWA 12-Month Net Receipts – Water**

**Chart 2 – GLWA 12-Month Net Receipts – Sewer**


## DWSD Trust Receipts & Disbursements

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

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

**Table 2 – DWSD Net Cash Flows from Trust Receipts & Disbursements** provides a summary of cash receipt collections and required MBO transfers by fiscal year as well as a total of all activity for DWSD since inception at January 1, 2016. Fiscal year 2020 reflects twelve months of activity to date.

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

Sewer fund receipts fell short of required disbursements by 4% through June 30, 2020 with a historic ratio of receipts falling short of required disbursements by 5% since January 1, 2016. DWSD has recognized this issue and proactively implemented plans in December 2019 to resolve that mid-year shortfall.

On December 3, DWSD transferred \$2.6 million from Sewer Operations & Maintenance back to the Sewer Receiving Fund, with an additional \$4.5 million cash replenishment transfer to GLWA in February 2020; the DWSD Operations & Maintenance budgeted transfer request has been reduced by \$1 million each month since December 2019 to further offset future cashflow timing issues.

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 developing plans to address this shortfall resulting largely from this unforeseen COVID-19 pandemic accordingly.

**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 Thru June 30	Life-to-Date Total
<b>Water</b>						
1 Receipts	\$ 26,201,881	\$ 96,451,105	\$ 101,233,147	\$ 99,868,219	\$ 96,885,723	\$ 420,640,075
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	439,086,175
4 Disbursements	(47,809,552)	(93,066,144)	(93,049,457)	(97,694,600)	(97,823,097)	(429,442,850)
5 Receipts Net of Required Transfers	(3,161,571)	3,384,961	8,183,690	2,173,619	(937,374)	9,643,325
6 I&E Transfer	-	-	-	(8,407,080)	-	(8,407,080)
7 Net Receipts	\$ (3,161,571)	\$ 3,384,961	\$ 8,183,690	\$ (6,233,461)	\$ (937,374)	\$ 1,236,245
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	93%	104%	109%	102%	99%	102%
<b>Sewer</b>						
9 Receipts	\$ 65,256,734	\$ 233,723,367	\$ 242,104,791	\$ 265,339,797	\$ 264,689,559	\$ 1,071,114,248
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	1,133,396,548
12 Disbursements	(122,297,300)	(261,963,973)	(266,217,825)	(271,018,306)	(275,507,374)	(1,197,004,778)
13 Receipts Net of Required Transfers	(1,285,466)	(28,240,606)	(24,113,034)	848,691	(10,817,815)	(63,608,230)
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)	\$ (10,195,196)
17 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	99%	89%	91%	100%	96%	95%
<b>Combined</b>						
18 Receipts	\$ 91,458,615	\$ 330,174,472	\$ 343,337,938	\$ 365,208,016	\$ 361,575,282	\$ 1,491,754,323
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	1,572,482,723
21 Disbursements	(170,106,852)	(355,030,117)	(359,267,282)	(368,712,906)	(373,330,471)	(1,626,447,628)
22 Receipts Net of Required Transfers	(4,447,037)	(24,855,645)	(15,929,344)	3,022,310	(11,755,189)	(53,964,905)
23 I&E Transfer	-	-	-	(8,407,080)	-	(8,407,080)
24 Shortfall Advance from GLWA	1,285,466	28,014,534	24,113,034	-	-	53,413,034
25 Net Receipts	\$ (3,161,571)	\$ 3,158,889	\$ 8,183,690	\$ (5,384,770)	\$ (11,755,189)	\$ (8,958,951)
26 <i>Ratio of Receipts to Required Disbursements (Line 20/Line 21)</i>	97%	93%	96%	101%	97%	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 FY 16 and FY 17 Loan Receivable		29,300,000
02-08-19	Loan Receivable Payment <i>(for the months of Jul - Dec)</i>	4,635,462	24,664,538
02-22-19	Loan Receivable Payment <i>(for the months of Jan - Mar)</i>	2,353,768	22,310,770
04-15-19	Loan Receivable Payment <i>(for the month of Apr)</i>	789,990	21,520,780
05-08-19	Loan Receivable Payment <i>(for the month of May)</i>	792,705	20,728,075
06-07-19	Loan Receivable Payment <i>(for the month of June)</i>	795,430	19,932,645
07-05-19	Loan Receivable Payment <i>(for the month of July)</i>	798,164	19,134,480
08-08-19	Loan Receivable Payment <i>(for the month of August)</i>	800,908	18,333,572
09-06-19	Loan Receivable Payment <i>(for the month of September)</i>	803,661	17,529,911
10-02-19	Loan Receivable Payment <i>(for the month of October)</i>	806,424	16,723,487
11-04-19	Loan Receivable Payment <i>(for the month of November)</i>	809,196	15,914,291
12-03-19	Loan Receivable Payment <i>(for the month of December)</i>	811,978	15,102,314
01-06-20	Loan Receivable Payment <i>(for the month of January)</i>	814,769	14,287,545
02-04-20	Loan Receivable Payment <i>(for the month of February)</i>	817,570	13,469,975
03-03-20	Loan Receivable Payment <i>(for the month of March)</i>	820,380	12,649,595
04-15-20	Loan Receivable Payment <i>(for the month of April)</i>	823,200	11,826,395
05-06-20	Loan Receivable Payment <i>(for the month of May)</i>	826,030	11,000,366
06-02-20	Loan Receivable Payment <i>(for the month of June)</i>	828,869	10,171,497
		<b>19,128,503</b>	<b>10,171,497</b>

**Table 4 – FY 2017 DWSD Loan Receivable Payments – Sewer**

Date	Transaction	Principal	Interest	Total Paid
02-08-19	Loan Receivable Payment <i>(for the months of Jul - Dec)</i>	4,635,462	564,636	5,200,098
02-22-19	Loan Receivable Payment <i>(for the months of Jan - Mar)</i>	2,353,768	246,280	2,600,049
04-15-19	Loan Receivable Payment <i>(for the month of Apr)</i>	789,990	76,693	866,683
05-08-19	Loan Receivable Payment <i>(for the month of May)</i>	792,705	73,978	866,683
06-07-19	Loan Receivable Payment <i>(for the month of June)</i>	795,430	71,253	866,683
07-05-19	Loan Receivable Payment <i>(for the month of July)</i>	798,164	68,518	866,683
08-08-19	Loan Receivable Payment <i>(for the month of August)</i>	800,908	65,775	866,683
09-06-19	Loan Receivable Payment <i>(for the month of September)</i>	803,661	63,022	866,683
10-02-19	Loan Receivable Payment <i>(for the month of October)</i>	806,424	60,259	866,683
11-04-19	Loan Receivable Payment <i>(for the month of November)</i>	809,196	57,487	866,683
12-03-19	Loan Receivable Payment <i>(for the month of December)</i>	811,978	54,705	866,683
01-06-20	Loan Receivable Payment <i>(for the month of January)</i>	814,769	51,914	866,683
02-04-20	Loan Receivable Payment <i>(for the month of February)</i>	817,570	49,113	866,683
03-03-20	Loan Receivable Payment <i>(for the month of March)</i>	820,380	46,303	866,683
04-15-20	Loan Receivable Payment <i>(for the month of April)</i>	823,200	43,483	866,683
05-06-20	Loan Receivable Payment <i>(for the month of May)</i>	826,030	40,653	866,683
06-02-20	Loan Receivable Payment <i>(for the month of June)</i>	820,380	46,303	866,683
		<b>19,120,014</b>	<b>1,680,376</b>	<b>20,800,391</b>

**Table 5 – FY 2018 DWSD Loan Receivable – Sewer**

Date	Transaction	Amount	Balance
06-30-19	Record FY 18 Loan Receivable		24,113,034
07-15-19	Loan Receivable Payment <i>(for the month of July)</i>	638,978	23,474,056
08-08-19	Loan Receivable Payment <i>(for the month of August)</i>	640,686	22,833,370
09-06-19	Loan Receivable Payment <i>(for the month of September)</i>	642,400	22,190,970
10-02-19	Loan Receivable Payment <i>(for the month of October)</i>	644,118	21,546,852
11-04-19	Loan Receivable Payment <i>(for the month of November)</i>	645,840	20,901,012
12-03-19	Loan Receivable Payment <i>(for the month of December)</i>	647,567	20,253,445
01-06-20	Loan Receivable Payment <i>(for the month of January)</i>	649,299	19,604,146
02-04-20	Loan Receivable Payment <i>(for the month of February)</i>	651,035	18,953,111
03-03-20	Loan Receivable Payment <i>(for the month of March)</i>	652,776	18,300,335
04-15-20	Loan Receivable Payment <i>(for the month of April)</i>	654,522	17,645,813
05-06-20	Loan Receivable Payment <i>(for the month of May)</i>	656,272	16,989,541
06-02-20	Loan Receivable Payment <i>(for the month of June)</i>	658,027	16,331,514
		<b>7,781,520</b>	<b>16,331,514</b>

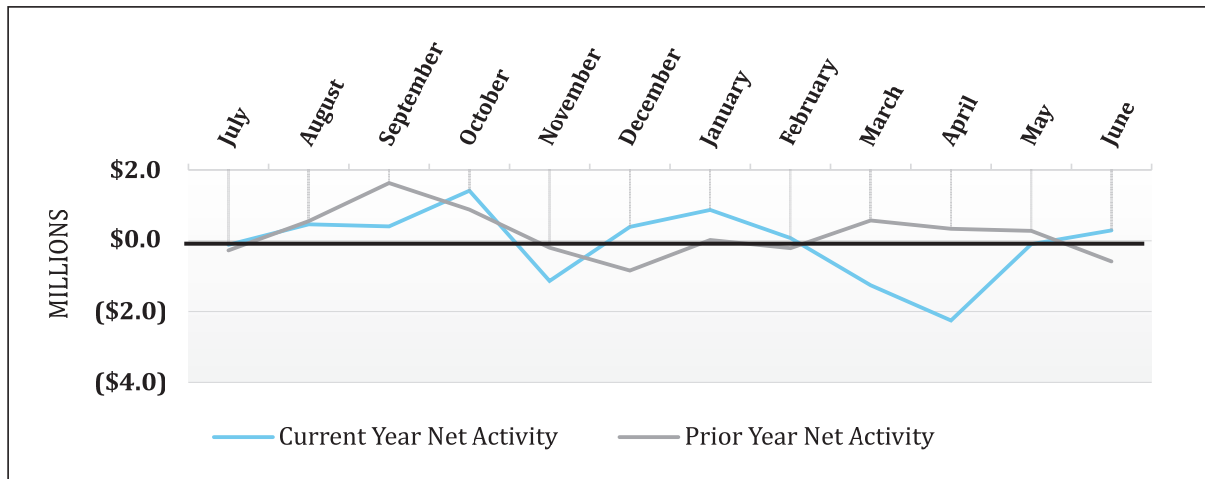
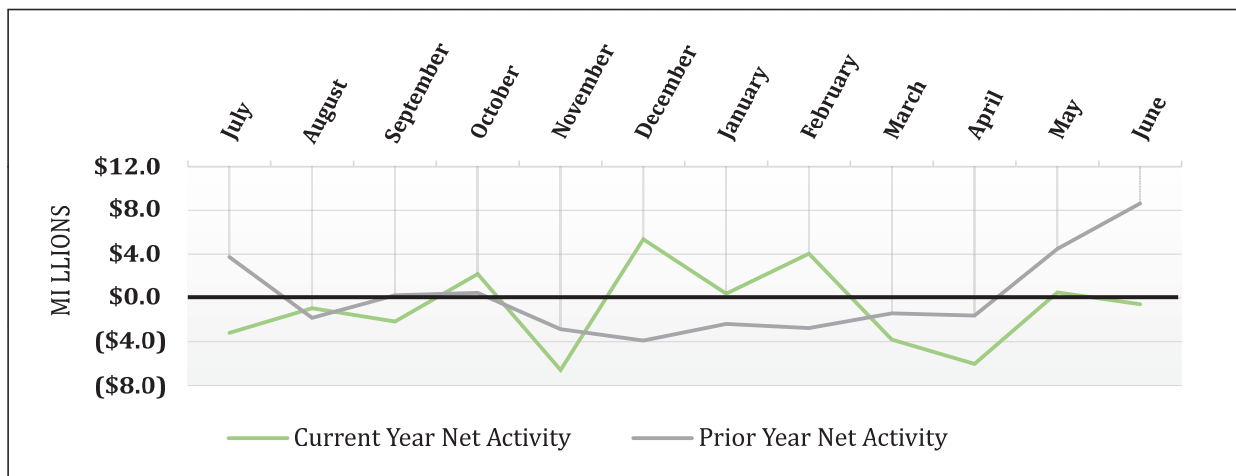
**Table 6 – FY 2018 DWSD Loan Receivable Payments – Sewer**

Date	Transaction	Principal	Interest	Total Paid
07-15-19	Loan Receivable Payment (for the month of July)	638,978	64,482	703,460
08-08-19	Loan Receivable Payment (for the month of August)	640,686	62,774	703,460
09-06-19	Loan Receivable Payment (for the month of September)	642,400	61,060	703,460
10-02-19	Loan Receivable Payment (for the month of October)	644,118	59,342	703,460
11-04-19	Loan Receivable Payment (for the month of November)	645,840	57,620	703,460
12-03-19	Loan Receivable Payment (for the month of December)	647,567	55,893	703,460
01-06-20	Loan Receivable Payment (for the month of January)	649,299	54,161	703,460
02-04-20	Loan Receivable Payment (for the month of February)	651,035	52,425	703,460
03-03-20	Loan Receivable Payment (for the month of March)	652,776	50,684	703,460
04-15-20	Loan Receivable Payment (for the month of April)	654,522	48,938	703,460
05-06-20	Loan Receivable Payment (for the month of May)	656,272	47,188	703,460
06-02-20	Loan Receivable Payment (for the month of June)	658,027	45,433	703,460
		<b>7,781,520</b>	<b>660,000</b>	<b>8,441,520</b>

**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



**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 2020 reflects twelve months of activity to date.

Water fund net receipts exceeded required disbursements by 9% through June 30, 2020 with a historical ratio of receipts exceeding required disbursements by 12% since January 1, 2016.

Sewer fund receipts exceeded required disbursements by 5% through June 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 Thru May 31	Life-to-Date Total
<b>Water</b>						
1 Receipts	\$ 175,890,592	\$ 449,393,014	\$ 439,685,148	\$ 436,462,453	\$ 429,491,919	\$ 1,930,923,126
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	1,949,369,226
4 Disbursements	(194,065,737)	(381,844,129)	(390,114,267)	(386,925,081)	(394,013,522)	(1,746,962,736)
5 Receipts Net of Required Transfers	270,955	67,548,885	49,570,881	49,537,372	35,478,397	202,406,490
6 I&E Transfer	-	-	(25,739,700)	(56,102,080)	(25,719,751)	(107,561,531)
7 Net Receipts	\$ 270,955	\$ 67,548,885	\$ 23,831,181	\$ (6,564,708)	\$ 9,758,646	\$ 94,844,959
8 Ratio of Receipts to Required Disbursements (Line 3/Line 4)	100%	118%	113%	113%	109%	112%
<b>Sewer</b>						
9 Receipts	\$ 297,634,449	\$ 703,512,249	\$ 718,374,552	\$ 733,083,541	\$ 755,150,915	\$ 3,207,755,706
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	3,270,038,006
12 Disbursements	(341,835,625)	(703,407,313)	(725,121,160)	(724,424,942)	(721,112,326)	(3,215,901,366)
13 Receipts Net of Required Transfers	11,553,924	104,936	(6,746,608)	15,185,799	34,038,589	54,136,640
14 I&E Transfer	-	-	(22,698,100)	(22,547,700)	(19,096,200)	(64,342,000)
15 Shortfall Advance	-	-	-	-	-	-
16 Shortfall Repayment (principal)	-	-	-	9,367,355	17,542,669	26,910,024
17 Net Receipts	\$ 11,553,924	\$ 104,936	\$ (29,444,708)	\$ (7,361,901)	\$ 32,485,058	\$ 16,704,665
18 Ratio of Receipts to Required Disbursements (Line 11/Line 12)	103%	100%	99%	102%	105%	102%
<b>Combined</b>						
19 Receipts	\$ 473,525,041	\$ 1,152,905,263	\$ 1,158,059,700	\$ 1,169,545,994	\$ 1,184,642,834	\$ 5,138,678,832
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	5,219,407,232
22 Disbursements	(535,901,362)	(1,085,251,442)	(1,115,235,427)	(1,111,350,023)	(1,115,125,848)	(4,962,864,102)
23 Receipts Net of Required Transfers	11,824,879	67,653,821	42,824,273	64,723,171	69,516,986	256,543,130
24 I&E Transfer	-	-	(48,437,800)	(78,649,780)	(44,815,951)	(171,903,531)
25 Shortfall Advance	-	-	-	-	-	-
26 Shortfall Repayment	-	-	-	9,367,355	17,542,669	26,910,024
27 Net Receipts	\$ 11,824,879	\$ 67,653,821	\$ (5,613,527)	\$ (4,559,254)	\$ 42,243,704	\$ 111,549,624
28 Ratio of Receipts to Required Disbursements (Line 21/Line 22)	102%	106%	104%	106%	106%	105%

## APPENDIX

## GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$196,363.51	\$196,363.51	\$0.00	\$0.00	\$0.00
ASH TOWNSHIP	\$72,781.99	\$72,781.99	\$0.00	\$0.00	\$0.00
BELLEVILLE	\$29,254.00	\$29,254.00	\$0.00	\$0.00	\$0.00
BERLIN TOWNSHIP	\$62,853.88	\$62,853.88	\$0.00	\$0.00	\$0.00
BROWNSTOWN TOWNSHIP	\$293,469.00	\$293,469.00	\$0.00	\$0.00	\$0.00
BRUCE TOWNSHIP	\$43,180.42	\$43,180.42	\$0.00	\$0.00	\$0.00
BURTCHVILLE TOWNSHIP	\$29,626.55	\$29,626.55	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$833,933.61	\$833,933.61	\$0.00	\$0.00	\$0.00
CENTER LINE	\$38,814.24	\$38,814.24	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$335,637.34	\$335,637.34	\$0.00	\$0.00	\$0.00
FLINT	\$283,836.75	\$283,836.75	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$614,421.01	\$614,421.01	\$0.00	\$0.00	\$0.00
COMMERCE TOWNSHIP	\$539,870.90	\$539,870.90	\$0.00	\$0.00	\$0.00
DEARBORN	\$1,494,707.63	\$1,494,707.63	\$0.00	\$0.00	\$0.00
DEARBORN HEIGHTS	\$309,318.71	\$309,318.71	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$257,790.06	\$257,790.06	\$0.00	\$0.00	\$0.00
ECORSE	\$119,577.81	\$119,577.81	\$0.00	\$0.00	\$0.00
FARMINGTON	\$82,772.85	\$82,772.85	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$1,370,085.64	\$1,370,085.64	\$0.00	\$0.00	\$0.00
FERNDAL	\$169,263.68	\$169,263.68	\$0.00	\$0.00	\$0.00
FLAT ROCK	\$101,394.26	\$101,394.26	\$0.00	\$0.00	\$0.00
FRASER	\$99,109.41	\$99,109.41	\$0.00	\$0.00	\$0.00
GARDEN CITY	\$139,234.80	\$139,234.80	\$0.00	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
GIBRALTAR	\$28,084.19	\$28,084.19	\$0.00	\$0.00	\$0.00
GROSSE ILE TOWNSHIP	\$93,124.35	\$93,124.35	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$36,572.76	\$36,572.76	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$233,391.66	\$233,391.66	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$5,780.57	\$5,780.57	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$118,413.48	\$118,413.48	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$70,949.29	\$70,949.29	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$64,610.49	\$64,610.49	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$131,539.02	\$131,539.02	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$121,049.03	\$121,049.03	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$8,533,684.36	\$189,747.35	\$94,738.07	\$92,950.13	\$8,156,248.81
HURON TOWNSHIP	\$125,496.30	\$125,496.30	\$0.00	\$0.00	\$0.00
IMLAY CITY	\$126,046.78	\$126,046.78	\$0.00	\$0.00	\$0.00
IMLAY TOWNSHIP	\$1,119.41	\$1,119.41	\$0.00	\$0.00	\$0.00
INKSTER	\$102,134.60	\$102,134.60	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$48,034.15	\$48,034.15	\$0.00	\$0.00	\$0.00
LAPEER	\$120,610.52	\$120,610.52	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$92,673.95	\$46,238.13	\$23,449.73	\$22,986.09	\$0.00
LINCOLN PARK	\$195,676.50	\$195,676.50	\$0.00	\$0.00	\$0.00
LIVONIA	\$907,201.48	\$907,201.48	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$1,020,394.99	\$1,020,394.99	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$142,788.29	\$142,788.29	\$0.00	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MAYFIELD TOWNSHIP	\$2,598.86	\$2,598.86	\$0.00	\$0.00	\$0.00
MELVINDALE	\$52,658.62	\$52,658.62	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$29,989.63	\$29,989.63	\$0.00	\$0.00	\$0.00
NOCWA	\$1,744,981.62	\$1,744,981.62	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$134,277.41	\$134,277.41	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$438,473.30	\$438,473.30	\$0.00	\$0.00	\$0.00
NOVI	\$706,589.46	\$706,589.46	\$0.00	\$0.00	\$0.00
OAK PARK	\$233,191.02	\$233,191.02	\$0.00	\$0.00	\$0.00
OAKLAND CO DR COM	\$10,398.07	\$10,398.07	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$85,089.61	\$85,089.61	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$344,914.05	\$344,914.05	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$266,265.31	\$266,265.31	\$0.00	\$0.00	\$0.00
RIVER ROUGE	\$55,398.29	\$55,398.29	\$0.00	\$0.00	\$0.00
RIVERVIEW	\$73,378.19	\$73,378.19	\$0.00	\$0.00	\$0.00
ROCKWOOD	\$24,191.41	\$24,191.41	\$0.00	\$0.00	\$0.00
ROMEO	\$21,217.54	\$21,217.54	\$0.00	\$0.00	\$0.00
ROMULUS	\$362,411.85	\$362,411.85	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$216,581.76	\$216,581.76	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$30,796.76	\$30,796.76	\$0.00	\$0.00	\$0.00
SOCWA	\$3,562,871.49	\$3,562,871.49	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$1,174,482.61	\$1,174,482.61	\$0.00	\$0.00	\$0.00
SOUTH ROCKWOOD	\$9,791.17	\$9,791.17	\$0.00	\$0.00	\$0.00
SOUTHGATE	\$181,850.31	\$181,850.31	\$0.00	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ST. CLAIR COUNTY-GREENWOOD T	\$57,229.99	\$57,229.99	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$276,968.92	\$276,968.92	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$1,223,232.85	\$1,223,232.85	\$0.00	\$0.00	\$0.00
SUMPTER TOWNSHIP	\$59,279.24	\$59,279.24	\$0.00	\$0.00	\$0.00
SYLVAN LAKE	\$19,437.88	\$19,437.88	\$0.00	\$0.00	\$0.00
TAYLOR	\$755,193.67	\$755,193.67	\$0.00	\$0.00	\$0.00
TRENTON	\$141,420.99	\$141,420.99	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$1,088,006.35	\$1,088,006.35	\$0.00	\$0.00	\$0.00
UTICA	\$43,758.59	\$43,758.59	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$554,041.21	\$554,041.21	\$0.00	\$0.00	\$0.00
ALMONT VILLAGE	\$19,409.49	\$19,409.49	\$0.00	\$0.00	\$0.00
WALLED LAKE	\$124,233.97	\$124,233.97	\$0.00	\$0.00	\$0.00
WARREN	\$845,323.58	\$845,323.58	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$181,230.01	\$181,230.01	\$0.00	\$0.00	\$0.00
WAYNE	\$259,538.03	\$259,538.03	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$1,637,752.34	\$1,637,752.34	\$0.00	\$0.00	\$0.00
WESTLAND	\$512,297.78	\$512,297.78	\$0.00	\$0.00	\$0.00
WIXOM	\$389,351.90	\$383,567.62	\$5,784.28	\$0.00	\$0.00
WOODHAVEN	\$137,224.99	\$137,224.99	\$0.00	\$0.00	\$0.00
YCUA	\$845,600.83	\$845,600.83	\$0.00	\$0.00	\$0.00
<b>TOTAL WATER ACCOUNTS</b>	<b>\$38,769,605.17</b>	<b>\$30,373,448.06</b>	<b>\$123,972.08</b>	<b>\$115,936.22</b>	<b>\$8,156,248.81</b>



## GLWA Aged Accounts Receivable- SEWER ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CENTER LINE	\$86,099.50	\$86,099.50	\$0.00	\$0.00	\$0.00
DEARBORN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EVERGREEN-FARMINGTON	\$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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$34,112,126.80	\$472,500.00	\$472,500.00	\$472,500.00	\$32,694,626.80
MELVINDALE	\$108.16	\$108.16	\$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	\$5,838,958.78	\$5,838,958.78	\$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
<b>TOTAL SEWER ACCOUNTS</b>	<b>\$53,321,993.24</b>	<b>\$19,682,366.44</b>	<b>\$472,500.00</b>	<b>\$472,500.00</b>	<b>\$32,694,626.80</b>

## GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 06/30/20

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)	\$10,892.05	\$10,892.05	\$0.00	\$0.00	\$0.00
AUBURN HILLS (C-O) ADMIN	\$1,883.00	\$1,883.00	\$0.00	\$0.00	\$0.00
AUBURN HILLS (E-F)	\$366.73	\$366.73	\$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)	\$2,315.30	\$2,315.30	\$0.00	\$0.00	\$0.00
BIRMINGHAM (SEOC)	\$5,311.67	\$5,311.67	\$0.00	\$0.00	\$0.00
BLOOMFIELD HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BLOOMFIELD TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$3,415.68	\$243.36	\$0.00	\$0.00	\$3,172.32
CENTER LINE	\$3,501.68	\$3,501.68	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$11,745.50	\$11,745.50	\$0.00	\$0.00	\$0.00
CITY OF FARMINGTON (E-F)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CITY OF FERNDALE	\$16,933.80	\$16,933.80	\$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	\$65.94	\$65.94	\$0.00	\$0.00	\$0.00
CLAWSON	\$2,626.26	\$2,626.26	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$24,535.42	\$24,535.42	\$0.00	\$0.00	\$0.00
DEARBORN	\$35,146.93	\$35,146.93	\$0.00	\$0.00	\$0.00
DEARBORN HEIGHTS	\$9,267.96	\$9,267.96	\$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 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
EASTPOINTE	\$6,146.53	\$6,146.53	\$0.00	\$0.00	\$0.00
FARMINGTON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FRASER	\$4,715.10	\$4,715.10	\$0.00	\$0.00	\$0.00
GARDEN CITY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE	\$1,502.41	\$1,502.41	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$4,917.90	\$4,917.90	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$3,968.12	\$3,968.12	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$1,799.85	\$1,799.85	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$3,035.24	\$3,035.24	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$6,133.01	\$6,133.01	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$1,722,340.40	\$7,655.70	\$3,905.59	\$0.00	\$1,710,779.11
HUNTINGTON WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
INDEPENDENCE (C-O) ADMIN	\$2,341.49	\$2,341.49	\$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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LATHRUP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$309.27	\$309.27	\$0.00	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
LIVONIA	\$38,197.38	\$38,197.38	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$17,766.97	\$17,766.97	\$0.00	\$0.00	\$0.00
MELVINDALE	\$3,234.66	\$3,234.66	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$5,450.25	\$3,633.50	\$1,816.75	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NOVI	\$16,707.34	\$16,707.34	\$0.00	\$0.00	\$0.00
OAK PARK	\$6,511.57	\$6,511.57	\$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)	\$40.56	\$40.56	\$0.00	\$0.00	\$0.00
ORION TOWNSHIP (C-O) ADMIN	\$444.66	\$444.66	\$0.00	\$0.00	\$0.00
OXFORD TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OXFORD VILLAGE	\$1,196.52	\$1,196.52	\$0.00	\$0.00	\$0.00
PLEASANT RIDGE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$5,698.15	\$390.39	\$0.00	\$0.00	\$5,307.76
REDFORD TOWNSHIP	\$12,421.62	\$12,421.62	\$0.00	\$0.00	\$0.00
ROCHESTER HILLS	\$17,591.21	\$17,591.21	\$0.00	\$0.00	\$0.00
ROMULUS	\$880.49	\$880.49	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$13,898.56	\$13,898.56	\$0.00	\$0.00	\$0.00
ROYAL OAK	\$13,207.35	\$13,207.35	\$0.00	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ROYAL OAK TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$12,032.80	\$12,032.80	\$0.00	\$0.00	\$0.00
SOUTHFIELD (E-F)	\$27,100.84	\$27,100.84	\$0.00	\$0.00	\$0.00
SOUTHFIELD (SEOC)	\$3,711.24	\$3,711.24	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$30,247.62	\$30,247.62	\$0.00	\$0.00	\$0.00
TROY (E-F)	\$365.04	\$365.04	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$35,664.07	\$35,664.07	\$0.00	\$0.00	\$0.00
UTICA	\$2,854.41	\$2,854.41	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$1,755.91	\$1,755.91	\$0.00	\$0.00	\$0.00
VILLAGE OF FRANKLIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$1,358.76	\$1,358.76	\$0.00	\$0.00	\$0.00
WATERFORD TOWNSHIP DPW (ADMI	\$2,934.38	\$2,934.38	\$0.00	\$0.00	\$0.00
WAYNE	\$4,770.87	\$4,770.87	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (E-F)	\$12,188.28	\$12,188.28	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP. (C-O) A	\$451.26	\$451.26	\$0.00	\$0.00	\$0.00
WESTLAND	\$21,577.92	\$21,577.92	\$0.00	\$0.00	\$0.00
<b>TOTAL IWC ACCOUNTS</b>	<b>\$2,218,289.55</b>	<b>\$493,308.02</b>	<b>\$5,722.34</b>	<b>\$0.00</b>	<b>\$1,719,259.19</b>

## GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
3M COMPANY	\$6,606.43	\$6,606.43	\$0.00	\$0.00	\$0.00
A & R PACKING CO., LLC	\$3,930.93	\$3,930.93	\$0.00	\$0.00	\$0.00
AACTRON	\$96.18	\$96.18	\$0.00	\$0.00	\$0.00
ACADEMY PACKING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ACME RUSTPROOF	\$62.04	\$62.04	\$0.00	\$0.00	\$0.00
ADORING PET FUNERAL HOME	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AEVITAS SPECIALITY SERVICES	\$29,082.57	\$19,613.29	\$9,469.28	\$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
ALEXANDER & HORNUNG	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ALGAL SCIENTIFIC CORPORATION	\$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	\$228.43	\$0.00	\$228.43	\$0.00	\$0.00
AMERICAN WASTE TECH INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AMERITI MFG. CO.	\$28,092.77	\$28,092.77	\$0.00	\$0.00	\$0.00
ATWATER IN THE PARK	\$17.84	\$17.84	\$0.00	\$0.00	\$0.00
AUTOMOTIVE FINISH	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AXLE BREWING COMPANY, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
B. NEKTAR MEADERY	\$0.88	\$0.88	\$0.00	\$0.00	\$0.00
BAFFIN BREWING COMPANY	\$628.04	\$628.04	\$0.00	\$0.00	\$0.00
BARON INDUSTRIES	\$289.88	\$289.88	\$0.00	\$0.00	\$0.00
BARTZ BAKERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BASTONE BREWERY	\$25.18	\$25.18	\$0.00	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
BATCH BREWING COMPANY	\$369.60	\$369.60	\$0.00	\$0.00	\$0.00
BAYS MICHIGAN CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BEIRUT BAKERY, INC.	\$43.43	\$43.43	\$0.00	\$0.00	\$0.00
BETTER MADE SNACK FOOD	\$18,337.09	\$18,337.09	\$0.00	\$0.00	\$0.00
BLACK LOTUS BREWING CO.	\$61.25	\$0.00	\$0.00	\$0.00	\$61.25
BOZEK'S MARKET	\$45.54	\$45.54	\$0.00	\$0.00	\$0.00
BREW DETROIT	\$8,082.92	\$5,594.24	\$2,488.68	\$0.00	\$0.00
BROADWAY MKT CORNED BEEF	\$ (34.54)	\$0.00	\$0.00	\$0.00	\$ (34.54)
BROOKS BREWING, LLC.	\$65.63	\$65.63	\$0.00	\$0.00	\$0.00
BROWN IRON BREWHOUSE	\$34.27	\$34.27	\$0.00	\$0.00	\$0.00
CADILLAC STRAITS BREWING CO.	\$62.33	\$62.33	\$0.00	\$0.00	\$0.00
CANTON BREW WORKS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CAPITAL REPRODUCTIONS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CF BURGER CREAMERY	\$18,409.56	\$18,409.56	\$0.00	\$0.00	\$0.00
CHILANGO'S BAKERY	\$1,720.24	\$38.60	\$17.69	\$17.69	\$1,646.26
CINTAS CORP. - MACOMB TWP.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$18,931.76	\$18,931.76	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$8,077.11	\$8,077.11	\$0.00	\$0.00	\$0.00
CITY LAUNDRY, INC.	\$31.88	\$5.02	\$5.90	\$11.22	\$9.74
CLASSIC CONTAINER CORP.	\$6.80	\$0.00	\$6.80	\$0.00	\$0.00
COCA-COLA REFRESHMENTS USA,	\$1,416.78	\$1,416.78	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/20

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
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COUNTRY FRESH DAIRY CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CROSS CHEMICAL COMPANY, INC.	\$1,909.22	\$862.95	\$0.00	\$0.00	\$1,046.27
DARLING INGREDIENTS, INC.	\$5,645.33	\$5,645.33	\$0.00	\$0.00	\$0.00
DAVE'S SAUSAGE FACTORY 2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN BREWING	\$56.81	\$56.81	\$0.00	\$0.00	\$0.00
DEARBORN SAUSAGE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN SAUSAGE CO., INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT BEER CO.	\$205.18	\$205.18	\$0.00	\$0.00	\$0.00
DETROIT LINEN SERVICE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$252,281.14	\$252,281.14	\$0.00	\$0.00	\$0.00
DETROIT RIVERTOWN BREWERY CC	\$3,105.49	\$3,105.49	\$0.00	\$0.00	\$0.00
DETROIT SAUSAGES CO INC	\$11.40	\$5.70	\$5.70	\$0.00	\$0.00
DETRONIC INDUSTRIES, INC.	\$131.24	\$66.81	\$15.75	\$48.68	\$0.00
DIFCO LABORATORIES, INC.	\$90,550.82	\$30,978.88	\$10,812.19	\$12,993.51	\$35,766.24
DIVERSIFIED CHEM TECH. INC.	\$40.10	\$40.10	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$92.89	\$92.89	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$485.77	\$485.77	\$0.00	\$0.00	\$0.00
DOWNEY BREWING COMPANY	\$63.00	\$63.00	\$0.00	\$0.00	\$0.00
E.W. GROBBEL'S SONS, INC.	\$3,816.36	\$3,816.36	\$0.00	\$0.00	\$0.00
EASTERN MARKET BREWING COMP	\$414.14	\$232.59	\$0.00	\$0.00	\$181.55



## GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ENVIROSOLIDS, L.L.C.	\$ (1,544.97)	\$0.00	\$0.00	\$0.00	\$ (1,544.97)
EQ DETROIT, INC.	\$1,270.26	\$1,270.26	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$8,915.03	\$8,915.03	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$210.48	\$210.48	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ETON ST BREWERY- GRIFFIN CLF	\$4,058.94	\$4,058.94	\$0.00	\$0.00	\$0.00
EXTRUDE HONE CORPORATION	\$138.27	\$138.27	\$0.00	\$0.00	\$0.00
EXTRUDEHODE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FARMINGTON BREWING COMPANY	\$36.16	\$36.16	\$0.00	\$0.00	\$0.00
FAYGO BEVERAGES, INC.	\$25,715.60	\$25,715.60	\$0.00	\$0.00	\$0.00
FORD NEW MODEL PROGRAM	\$ (232.38)	\$0.00	\$ (232.38)	\$0.00	\$0.00
FOUNDERS BREWING COMPANY	\$62.46	\$62.46	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$272.78	\$272.78	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
G2O ENERGY, LLC	\$1,755.24	\$1,755.24	\$0.00	\$0.00	\$0.00
GENERAL LINEN SUPPLY CO.	\$12,314.67	\$2,124.51	\$2,832.68	\$7,357.48	\$0.00
GLOBAL TITANIUM, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$61.41	\$61.41	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$53.43	\$0.00	\$0.00	\$0.00	\$53.43
GRANITE CITY FOOD & BREWERY	\$13.49	\$13.49	\$0.00	\$0.00	\$0.00
GREAT BARABOO BREWING CO.	\$140.01	\$140.01	\$0.00	\$0.00	\$0.00
HACIENDA MEXICAN FOODS	\$1,430.75	\$1,230.79	\$199.96	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
HENKEL CORPORATION	\$420.51	\$117.57	\$0.00	\$0.00	\$302.94
HOME STYLE FOOD INC.	\$648.59	\$648.59	\$0.00	\$0.00	\$0.00
HOMEGROWN BREWING COMPANY	\$107.77	\$107.77	\$0.00	\$0.00	\$0.00
HOODS CLEANERS	\$211.33	\$0.00	\$0.00	\$0.00	\$211.33
HOUGHTON INTERNATIONAL INC.	\$922.57	\$922.57	\$0.00	\$0.00	\$0.00
HOUGHTON INTERNATIONAL INC.	\$299.21	\$299.21	\$0.00	\$0.00	\$0.00
HOUGHTON INTERNATIONAL INC.	\$2,672.14	\$2,672.14	\$0.00	\$0.00	\$0.00
HUNTINGTON CLEANERS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
IDP, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
INDUSTRIAL METAL COATING	\$292.24	\$292.24	\$0.00	\$0.00	\$0.00
ISLAMIC SLAUGHTER HOUSE	\$3,599.85	\$2,084.12	\$844.92	\$670.81	\$0.00
ITALIAN BUTTER BREAD STICKS	\$4.83	\$1.61	\$1.61	\$1.61	\$0.00
J & G FOOD PRODUCTS, INC.	\$39.85	\$39.85	\$0.00	\$0.00	\$0.00
JAMEX BREWING CO.	\$76.56	\$76.56	\$0.00	\$0.00	\$0.00
KAR NUT PRODUCTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
KOWALSKI SAUSAGES, CO.	\$1,172.61	\$1,172.61	\$0.00	\$0.00	\$0.00
KUHNHENN BREWING	\$214.94	\$214.94	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$326.13	\$326.13	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LEAR CORPORATION DBA EAGLE C	\$2,694.07	\$2,694.07	\$0.00	\$0.00	\$0.00
LIBERTY STREET PROD. BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LILY'S SEAFOOD GRILL & BREWE	\$70.00	\$70.00	\$0.00	\$0.00	\$0.00
MACDERMID, INC.	\$6,264.50	\$3,438.32	\$2,826.18	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MCCLURE'S PICKLES	\$884.47	\$884.47	\$0.00	\$0.00	\$0.00
MCNICHOLS POLISHING & ANODIZ	\$19.09	\$19.09	\$0.00	\$0.00	\$0.00
MELLO MEATS INC, - KUBISCH S	\$284.60	\$142.30	\$56.92	\$85.38	\$0.00
METROPOLITAN BAKERY	\$471.30	\$471.30	\$0.00	\$0.00	\$0.00
MIBA HYDRAMECHANICA CORP.	\$453.64	\$297.70	\$81.51	\$74.43	\$0.00
MICHIGAN DAIRY	\$101,580.58	\$101,580.58	\$0.00	\$0.00	\$0.00
MICHIGAN PROD. MACHINING	\$2,260.57	\$0.00	\$2,260.57	\$0.00	\$0.00
MICHIGAN SOY PRODUCTS CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MIDWEST WIRE PRODUCTS, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MILANO BAKERY	\$802.85	\$802.85	\$0.00	\$0.00	\$0.00
MILTON CHILI CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MINNIE MARIE BAKERS, INC	\$2,472.14	\$2,472.14	\$0.00	\$0.00	\$0.00
MISTER UNIFORM & MAT RENTALS	\$49.06	\$0.70	\$1.75	\$3.83	\$42.78
MOTOR CITY BREWING WORKS	\$1,636.89	\$323.76	\$0.00	\$0.00	\$1,313.13
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTH CENTER BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTHERN LAKES SEAFOOD & MEA	\$29.40	\$29.40	\$0.00	\$0.00	\$0.00
OAKWOOD BAKERY	\$149.69	\$149.69	\$0.00	\$0.00	\$0.00
PARKER'S HILLTOP BREWER & SE	\$106.67	\$106.67	\$0.00	\$0.00	\$0.00
PELLERITO FOODS INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PEPSI COLA, INC.	\$38,313.41	\$38,313.41	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

## GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
PERDUE PREMIUM MEAT COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PERSONAL UNIFORM SERVICE, IN	\$22.84	\$22.84	\$0.00	\$0.00	\$0.00
PETRO ENVIRON TECH, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PINE TREE ACRES, INC.	\$65,565.37	\$65,565.37	\$0.00	\$0.00	\$0.00
PLATING SPEC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POWER VAC OF MICHIGAN, INC.	\$130.45	\$130.45	\$0.00	\$0.00	\$0.00
PREMIER PLATING, LLC	\$495.23	\$495.23	\$0.00	\$0.00	\$0.00
PRODUCTION SPRING, LLC.	\$270.35	\$0.00	\$270.35	\$0.00	\$0.00
QUALA SERVICES, LLC	\$1,064.05	\$1,064.05	\$0.00	\$0.00	\$0.00
RAY'S ICE CREAM CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RED SPOT PAINT #409139	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIVER ROUGE BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROAK BREWING CO. LLC	\$1,255.62	\$1,255.62	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS BEER COMPANY	\$224.81	\$224.81	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS PROD BREWERY	\$3,170.83	\$1,917.06	\$0.00	\$0.00	\$1,253.77
ROYAL OAK BREWERY	\$ (765.27)	\$0.00	\$0.00	\$0.00	\$ (765.27)
RTT	\$27,772.36	\$0.00	\$0.00	\$0.00	\$27,772.36
SEAFARE FOODS, INC.	\$76.56	\$76.56	\$0.00	\$0.00	\$0.00
SHERWOOD BREWING COMPANY	\$1,130.63	\$95.81	\$0.00	\$0.00	\$1,034.82
SMITH-WATKINS, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SPRAYTEK, INC.	\$14.52	\$0.00	\$14.52	\$0.00	\$0.00
SUPERNATURAL SPIRITS & BREWI	\$209.98	\$134.90	\$0.00	\$0.00	\$75.08

## GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SWEETHEART BAKERY, INC.	\$2,295.17	\$107.46	\$71.16	\$87.14	\$2,029.41
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	\$67.91	\$5.25	\$0.00	\$0.00	\$62.66
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.	\$2,263.86	\$2,263.86	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$68,848.96	\$68,848.96	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$2,490.80	\$2,490.80	\$0.00	\$0.00	\$0.00
UNIQUE LINEN SERVICES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNITED FISH DISTRIBUTORS	\$8.26	\$8.26	\$0.00	\$0.00	\$0.00
UNITED LINEN SERVICE, LLC.	\$82.34	\$82.34	\$0.00	\$0.00	\$0.00
UNITED MEAT & DELI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
URBANREST BREWING COMPANY	\$133.32	\$133.32	\$0.00	\$0.00	\$0.00
US ECOLOGY MICHIGAN	\$392.29	\$392.29	\$0.00	\$0.00	\$0.00
US ECOLOGY ROMULUS, INC.	\$2,440.49	\$2,440.49	\$0.00	\$0.00	\$0.00
USHER OIL SERVICES	\$4,571.73	\$4,571.73	\$0.00	\$0.00	\$0.00
VALICOR ENVIROMENTAL SERVICE	\$5,396.04	\$2,277.45	\$1,567.23	\$1,551.36	\$0.00
VAUGHAN INDUSTRIES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS	\$7,945.67	\$7,945.67	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS, INC.	\$ (2,612.41)	\$0.00	\$0.00	\$ (2,612.41)	\$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 06/30/20

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
WIGLEY'S MEAT PROCESS	\$549.25	\$549.25	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$1,052.98	\$1,052.98	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$216.30	\$216.30	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO	\$6,831.62	\$6,831.62	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO.	\$3,275.64	\$3,275.64	\$0.00	\$0.00	\$0.00
WOODWARD AVENUE BREWERS	\$240.06	\$154.88	\$0.00	\$0.00	\$85.18
<b>TOTAL POLLUTANT SURCHARGE ACCOUNTS</b>	<b>\$934,847.75</b>	<b>\$810,142.46</b>	<b>\$33,847.40</b>	<b>\$20,290.73</b>	<b>\$70,567.16</b>

## 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 (12 Months)	1,182,639	5,665,400	47,097	6,895,136
FY 2020 Payments (12 Months)	<u>-</u>	<u>(3,026,117)</u>	<u>-</u>	<u>(3,026,117)</u>
				-
<b>Balance as of June 30, 2020</b>	<b><u>\$ 8,533,684</u></b>	<b><u>\$ 34,112,127</u></b>	<b><u>\$ 1,722,340</u></b>	<b><u>\$ 44,368,151</u></b>