



Audit Committee

Friday, October 26, 2018 at 8:00 a.m.

5th Floor Board Room, Water Board Building
735 Randolph Street, Detroit, Michigan 48226
GLWater.org

AGENDA

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF MINUTES
 - A. September 21, 2018 (Page 1)
5. PUBLIC PARTICIPATION
6. OLD BUSINESS
 - A. Status Update: 2018 Contract Alignment Process and Wholesale (Page 6)
Water Contract Reopeners
7. NEW BUSINESS
 - A. FY 2018 Year-end Audit Progress Report (Page 9)
 - B. Capital Improvement Plan Relative to Financial Plan (Page 11)
 - C. Proposed 2019 Audit Committee Meeting Dates (Page 20)
8. REPORTS
 - A. Monthly Financial Report for July 2018 (Page 21)
 - i. Wholesale Billings, Receivables, & Collections
 - ii. Retail Revenues, Receivables, and Collections
 - iii. Master Bond Ordinance Transfers
 - B. CFO Update (verbal)
9. LOOK AHEAD
 - Next Audit Committee Meeting – November 16, 2018 at 8 am (Regular Meeting)
10. INFORMATION
11. OTHER MATTERS
12. ADJOURNMENT



Great Lakes Water Authority

AGENDA ITEM #4A

735 Randolph Street
Detroit, Michigan 48226
glwater.legistar.com

Meeting Minutes - Draft

Audit Committee

Friday, September 21, 2018

8:00 AM

Water Board Building 5th Floor

1. Call To Order

Chairman Baker called the meeting to order at 8:02 a.m.

2. Quorum Call

Present: 3 - Chairman Brian Baker, Director Gary Brown, and Director Robert Daddow

3. Approval of Agenda

Chairman Baker requested a Motion to approve the Agenda.

Motion By: Robert Daddow

Support By: Gary Brown

Action: Approved

The motion carried by a unanimous vote.

4. Approval of Minutes

A. [2018-912](#) Approval of Minutes of July 20, 2018

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [July 20 2018 Audit Committee Meeting Minutes](#)

Chairman Baker requested a Motion to approve the July 20, 2018 Audit Committee Meeting Minutes.

Motion By: Robert Daddow

Support By: Gary Brown

Action: Approved

The motion carried by a unanimous vote.

5. Public Comment

None

6. Old Business

None

7. New Business

A. [2018-913](#) 2018 Refunding and New Money Transaction Results Report

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [2018 Refunding and New Money Transaction Results Reports](#)
[GLWA Board Presentation Post bond sale Final](#)

Motion By: Robert Daddow

Support By: Gary Brown

Action: Received and Filed

The motion carried by a unanimous vote.

B. [2018-914](#) Impact of 2018 Bond Transaction Results on Feasibility Forecast Report

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [Impact of 2018 Bond Transaction Results on Feasibility Forecast Report](#)
[Series 2018 Bonds Results Summary](#)

Motion By: Robert Daddow

Support By: Gary Brown

Action: Received and Filed

The motion carried by a unanimous vote.

C. [2018-915](#) Proposed Change Order No. 2: Contract No. GLWA-CS-010 Water Residential Assistance Program

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [Proposed Change Order No. 2 Contract No. GLWA-CS-010 WRAP](#)

Motion By: Gary Brown

Support By: Robert Daddow

Action: Recommended for Approval to the Board of Directors

Agenda of September 26, 2018

The motion carried by a unanimous vote.

8. Reports

A. [2018-916](#) Quarterly Investment Report as of June 30, 2018

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [GLWA Audit Committee Memo June 2018 Investment Report 9.21.18](#)
[GLWA Quarterly Report June 2018 FINAL](#)

Motion By: Robert Daddow

Support By: Gary Brown

Action: Received and Filed

The motion carried by a unanimous vote.

B. [2018-917](#) Trust Receipt & Disbursement Report for Activity as of July 31, 2018
(Preliminary)

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [Trust Receipt & Disbursement Report thru 7-31-18 preliminary](#)

Motion By: Gary Brown

Support By: Robert Daddow

Action: Received and Filed

The motion carried by a unanimous vote.

C. [2018-918](#) FY 2018 Construction Work-in-Progress Report through June 30, 2018

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [FY 2018 Q4 CWIP Final](#)

Motion By: Gary Brown

Support By: Robert Daddow

Action: Received and Filed

The motion carried by a unanimous vote.

D. [2018-919](#) Monthly Revenue & Collections Report

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [Monthly Revenue and Collections Report 09.21.2018](#)

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Motion By: Gary Brown

Support By: Robert Daddow

Action: Received and Filed

The motion carried by a unanimous vote.

E. [2018-920](#) Master Bond Ordinance Monthly Cash Transfers through September 1, 2018

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [GLWA Audit Committee Memo DWSD GLWA Cash Transfers September 2018PW](#)
[Audit Committee - Monthly Transfers to GLWA September 2018](#)
[Audit Committee - Monthly Transfers to DWSD September 2018](#)

Motion By: Robert Daddow

Support By: Brian Baker

Action: Received and Filed

The motion carried by a unanimous vote.

F. [2018-921](#) 2018 Rating Agency Reports as of September 2018

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [Rating Agency Reports as of September 2018](#)
[\[Press Release\] Fitch Rates Great Lakes Water Authority, MI's Water and Sewer Revs 'A' Senior 'A'-Subordinate \[Report\] Fitch 2018-09-13 GLWA MI Final RPT](#)
[\[Opinion\] Moody's Published Credit Opinion to GLWA for Water Revenue Bonds](#)
[\[Opinion\] Moody's Published Credit Opinion to GLWA for Sewer Revenue Bonds](#)
[\[Research\] SP 2018.9.4 GLWA Water Series 2018A](#)
[\[Research\] SP 2018.9.4 GLWA Sewer Series 2018ABC](#)

Motion By: Robert Daddow

Support By: Gary Brown

Action: Received and Filed

The motion carried by a unanimous vote.

G. CFO Update (Verbal)

Nicolette Bateson, Chief Financial Officer/Treasurer, stated the Michigan Public Purchasing Officers Association's Annual Conference will be held the week of October 1 - 5, 2018, and GLWA has been named Agency of the Year with our Team obtaining recognition at the event.

9. Look Ahead

The October 19, 2018 regular Audit Committee Meeting has been rescheduled to Friday, October 26, 2018 at 8:00 a.m.

10. Information

None

11. Other Matters

None

12. Adjournment

There being no further business, Chairman Baker adjourned the meeting at 10:18 a.m.



Financial Services Audit Committee Communication

Date: October 26, 2018

To: Great Lakes Water Authority Audit Committee

From: Jon Wheatley, Public Finance Manager

Re: Status Update: 2018 Contract Alignment Process and Wholesale Water Contract Reopeners

Background: The Great Lakes Water Authority (GLWA) model water contract currently provides for designated reopener dates in year 2, year 5 and every 5 years afterwards, until the end of the 30-year term of the contract. In the fall of 2017 the GLWA contract negotiation team met with 33 member communities which are served under the model contract for regularly scheduled reopeners, including one out-of-sequence reopener (Commerce Township) to renegotiate contract values. The next regularly scheduled reopener for most of these member communities is scheduled for 2022. The GLWA contract negotiation team will be meeting with 54 member communities throughout 2018 to reopen their model contracts as part of the Contract Alignment Process (CAP) for those that did not reopen their contracts in 2017.

In addition to the CAP reopeners, GLWA has negotiated water model contracts with the city of Inkster and the city of Gibraltar. Meetings with Dearborn, Grosse Ile and Trenton have also been held to discuss getting these member partners on model contracts.

What is the CAP?

As part of the 2017 customer outreach meetings, member communities asked GLWA to implement strategies to achieve goals of water charge stability and equity. As part of this strategy, members asked for alignment of the model contract reopener to a common schedule to minimize the annual charge volatility created by changing contract demands which come as a result of the contract amendments.

The CAP involves all model contract customers that did not have a scheduled reopener in 2017 and requests that those member communities reopen their model contracts in 2018 ("2018 reopeners") regardless of their current reopener schedule. As part of the 2018 reopener meetings, the contract reopener schedule within each customer contract is amended to change the next regularly scheduled reopener date to 2022 and every 4 years thereafter.

The CAP concept was presented by GLWA at the October 10th and October 26th Water Charges Workgroup meetings and was approved by the member communities at the December 20, 2017 One Water Partnership meeting.

CAP Progress

Between March 8, 2018 and October 19, 2018, the team has met with 52 of the 54 scheduled CAP reopeners plus 2 member partners previously on old contracts (Gibraltar and Inkster). As of October 19th, 47 contract amendments have been drafted and sent to the customer for its local approval. Of the contracts sent, 41 have been approved by the member partner's legislative body. **Table 1** shows the progress for each member partner as part of the CAP.

The deadline for the customers' legislative approval is January 11, 2019. Once the contract amendments are approved by the customer and returned to GLWA, the contract will come before the GLWA Board of Directors for approval.

Budget Impact: None

Proposed Action: Receive and File

Table 1
2018 Contract Alignment Process
Status Update
As of October 19, 2018

	Member Partner	Meeting Held	Contract Amendment Sent to Member Partner	Contract Amendment Approved by Member Partner	Contract Amendment Approved by GLWA Board
1	Almont, Village of	✓			
2	Ash Township	✓	✓	✓	
3	Berlin Township	✓	✓	✓	
4	Brownstown Township	✓	✓	✓	
5	Bruce Township	✓			
6	Chesterfield Township	✓	✓	✓	✓
7	Clinton Township	✓	✓	✓	✓
8	Commerce Township	✓	✓	✓	✓
9	Ecorse	✓	✓	✓	✓
10	Farmington City	✓	✓	✓	✓
11	Farmington Hills	✓	✓	✓	✓
12	Ferndale	✓	✓		
13	Flat Rock	✓			
14	Flint				
15	Garden City	✓	✓	✓	✓
16	Gibraltar	✓	✓	✓	✓
17	Grosse Pointe Shores	✓	✓	✓	✓
18	Grosse Pointe Woods	✓			
19	Hamtramck	✓	✓	✓	✓
20	Harper Woods	✓	✓	✓	✓
21	Harrison Township	✓	✓	✓	✓
22	Hazel Park	✓	✓	✓	✓
23	Huron Township	✓	✓	✓	✓
24	Imlay City	✓	✓		
25	Inkster	✓	✓	✓	✓
26	Keego Harbor	✓	✓	✓	
27	Lapeer	✓	✓		
28	Lenox Township	✓			
29	Lincoln Park	✓	✓	✓	✓
30	Livonia	✓	✓	✓	✓
31	Macomb Township	✓	✓	✓	✓
32	Madison Heights	✓	✓		
33	Mayfield	✓	✓		
34	Melvindale	✓	✓	✓	✓
35	New Haven, Village of	✓	✓	✓	✓
36	NOCWA	✓			
37	Novi	✓	✓	✓	✓
38	Oak Park	✓	✓	✓	✓
39	Oakland County Drain Comm.	✓	✓		
40	Plymouth Township	✓	✓	✓	✓
41	River Rouge	✓	✓	✓	✓
42	Riverview				
43	Rockwood	✓	✓	✓	
44	Romeo	✓	✓	✓	✓
45	Romulus	✓	✓	✓	✓
46	Royal Oak Township	✓			
47	Shelby Township	✓	✓	✓	✓
48	SOCWA	✓	✓	✓	✓
49	South Rockwood	✓	✓	✓	
50	Southgate	✓	✓	✓	✓
51	St. Clair County-Burtchville Township	✓	✓	✓	✓
52	Sumpter Township	✓	✓	✓	
53	Sylvan Lake	✓	✓	✓	
54	Walled Lake	✓	✓	✓	✓
55	Warren	✓	✓	✓	✓
56	Westland	✓	✓	✓	✓



Financial Services Audit Committee Communication

Date: October 24, 2018

To: Great Lakes Water Authority Audit Committee

From: Nicolette N. Bateson, CPA, Chief Financial Officer/Treasurer

Re: FY 2018 Year-end Audit Progress Report

Background: The fieldwork for the audit of the Great Lakes Water Authority's FY 2018 financial statements began on October 15, 2018 and is currently underway.

Analysis: Ken Melvin from Rehmann Robson, auditors for GLWA, will be in attendance at the October 26, 2018 Audit Committee meeting to review the progress report (attached). It is presently anticipated that the audit report will be issued on or about December 13, 2018.

Proposed Action: Receive and file report.

Memo

To: Great Lakes Water Authority Audit Committee
From: Ken Melvin, Manager (Rehmann)
cc: Mark Kettner, Principal (Rehmann), Nicolette Bateson, Chief Financial Officer (GLWA)
Date: October 26, 2018
Re: Great Lakes Water Authority Audit Status and Comprehensive Annual Financial Report (CAFR)

We have prepared this memo to communicate to the audit committee our expectations regarding the timing of fieldwork, review, draft reports and issuance of the CAFR. The schedule below summarizes expected milestone dates to meet a deadline of issuance on December 13, 2018.

	Due Date Thursday, December 13, 2018
All audit workpapers uploaded to portal for audit	Monday, October 29, 2018
End of Fieldwork (Including first review)	Friday, November 09, 2018
Draft back from detail check by Rehmann	Monday, November 12, 2018
Draft to Audit Committee	Friday, November 16, 2018
Draft to Mark Kettner	Friday, November 16, 2018
Comments returned from GLWA management to Rehmann *	Friday, November 30, 2018
Draft to Stephen Blann for technical review and concurrence	Friday, December 07, 2018
Presentation of Draft to full Board of Directors	Wednesday, December 12, 2018
Issuance of the CAFR	Thursday, December 13, 2018
Meeting with the Audit Committee to present the CAFR	Friday, December 21, 2018

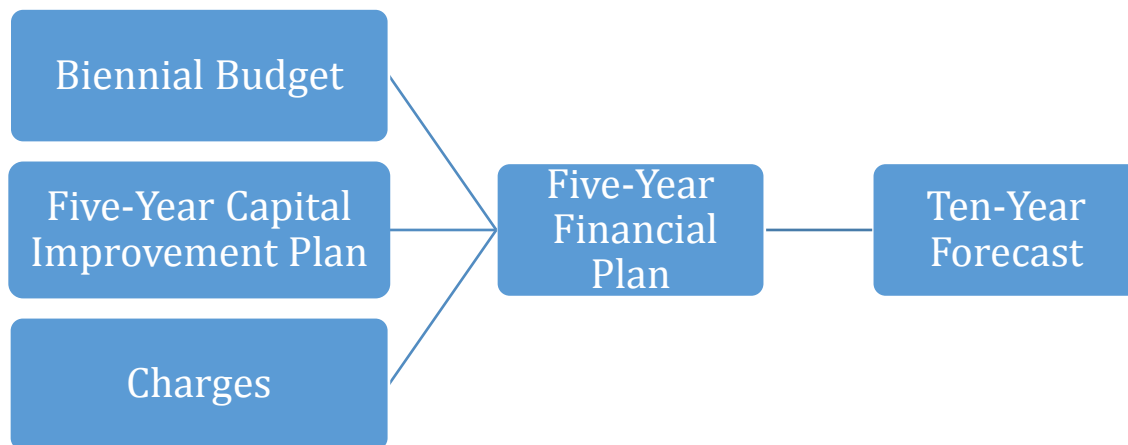
* - Comments should include everyone on team in addition to various third parties (i.e. attorneys, bond advisors, etc.). Ideally, all changes would be accumulated into one file and given to us.



Financial Services Audit Committee Communication

Date: October 26, 2018
To: Great Lakes Water Authority Audit Committee
From: Nicolette Bateson, CPA
Chief Financial Officer/Treasurer
Re: Capital Improvement Plan Relative to Financial Plan

Background: The annual update to the Great Lakes Water Authority's five-year capital improvement plan and financial plan are underway. In preparing those plans, certain assumptions are required to effectively proceed with a comprehensive long-term financial plan.



Analysis: A key decision point in establishing a financial plan for the capital improvement plan (CIP) is establishing a realistic factor for the actual spending pace.

- ✓ Unforeseen schedule delays
- ✓ Timing interdependencies with partners
- ✓ Mix of phases of projects in CIP (what percent are concept vs. design vs. construction; earlier phases = increased likelihood of timing revisions)

- ✓ Historical performance vs. future performance
- ✓ FY 2030 financial plan consideration (under development) to address affordability and sustainability (new 10-year CIP is a key input)
- ✓ Where we are in GLWA's history (new entity, new staff, capital program management deployment in CY 2019)
- ✓ Magnitude and complexity of GLWA's CIP as a regional water authority

To better understand this topic, we drew upon two sources of input: 1) GLWA's engineering team members and 2) The Foster Group who has prepared and monitored the financing plan, debt issuance, and capital plan for GLWA and its predecessor regional operations for many years.

Engineering Team Member Feedback

1. **Obtaining buy-in and acceptance of project alternatives within a study or preliminary design phase of a project.**
Example: the final route for the Water Works Park to Northeast water transmission main (\$130 million) is on hold pending acceptance from the City of Detroit. GLWA has identified a route that carries the least disruption to residents, however the route has not yet been endorsed. Result is that GLWA is on hold for the design of the pipeline.
2. **Obtaining maintenance agreements, permanent easements and property acquisitions.** These are common for new pipeline projects and require in-depth conversations and workshops with numerous property and utility owners. We build time into our planned schedules for these activities; however, there are times when circumstances are out of our control and delays occur.
Example: Achieving agreement with a county parks department for a new water transmission main which is designed to be placed in county park property.
3. **Opportunities driven by other regional stakeholders which alter priorities, timelines, and spending.** To optimize regional infrastructure investments, GLWA's goal is to engage in opportunity projects with other regional stakeholders such as Michigan Department of Transportation, county road commissions, DTE, ITC, AT&T, cities, and townships.
4. **Rebids and revisions.** There are times when projects have to be re-bid due to proposal irregularities. This causes a delay in a project's start. If it is engineering services, then the associated construction contract is delayed which impacts projected spend rates.

5. **Vendor performance.** There are times that vendors do not meet project deadlines even though GLWA issues a notice, writes notices to cure, and in the case of construction contracts assesses liquidated damages.
6. **Operational needs.** Designs include specified work limitations and periods and durations when the construction contractor will be able to take certain systems out of service to facilitate construction. These limitations are planned in collaboration with operations management during the design process. However, operational circumstances are dynamic and change which sometimes prevents system shutdowns that are required to execute and complete construction.
7. **Post-start changes.** Approval of construction change directives and change orders can consume weeks and sometimes months of time when negotiating change amounts with the contractors and internal GLWA stakeholders. This may delay a vendor's progress of work and related CIP spend.

The Foster Group Report (see attached)

Recommendation: Given the above, it is not reasonable to expect that 100% of the five-year capital improvement plan will turn into spent dollars. Nor is it appropriate to compile a financing plan (including the issuance of bonds) that reflects 100% spend rate. For this reason, a simple financial policy statement is proposed.

Capital Program Spend Rate Assumption: Annually, a projected spend rate assumption for the financial plan related to the upcoming capital improvement plan will be established based upon pertinent factors and data available at that time. Such factors and data will include the mix of projects and phases in the proposed CIP, interdependency risk, and other measures provided by the GLWA team members that develop and manage the CIP projects. That spend rate assumption will be presented to the Audit Committee no later than December each year after the GLWA Board and member partners have had the opportunity to review the draft capital improvement plan.

Proposed Action: Approve the Capital Program Spend Rate Assumption as proposed or amended.

tFg
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BART FOSTER, PRESIDENT
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MEMORANDUM

Review of Draft CIPs

October 24, 2018

To: Nicolette Bateson

From: Bart Foster

You have asked for observations regarding our review of the Authority's Draft FY 2020 Capital Improvement Programs (CIPs). Specifically, you have asked for a review of how the projected expenditures in the Draft CIPs align with the expenditures that were included in the financing plans established for the recently executed revenue bond transactions. Those financing plans are set forth in the official statement disclosures for the transactions. Herewith some commentary based on our initial review.

First, some background regarding the CIP financing requirements that were utilized for the bond sales. As we prepared the financing plans, we were aware that the actually achieved capital expenditure levels in recent years were materially lower than published planning levels. This fact is not a new occurrence, nor is it atypical of large municipal utility systems. According to my records, the average "CIP expenditure achievement" ratio for the predecessor DWSD in its final 29 full years of existence was approximately 70%. (*See attached exhibit page 1*). The performance level shows some peaks and valleys, but overall the trend is consistent. The achievement of the Sewer CIP is a bit higher than that for Water (75% vs. 63%). These ratios are not inconsistent with my experience with other large municipal utility systems.

These general results have continued for the first two years of GLWA's existence. According to the most recently published Construction Work-in-Progress Report the actual expenditure levels during FY 2017 and FY 2018 were 37% and 36%, respectively. Once again, the Sewer performance was slightly higher than the Water performance in each of those years. It was with this recognition in mind that the FY 2018 GLWA Budget anticipated a "financing level" of 80% of the published CIPs.

As the FY 2019 Budget was being prepared, it was apparent that the early years of the CIPs included reduced projected expenditure levels. The financing plan for the FY 2019 Budget assumed full achievement of the published CIP.

There are negative consequences of financing capital expenditures that do not end up being achieved, particularly for municipal utilities that rely heavily on issuance of tax-exempt debt to finance capital improvements. The ability to realize investment earnings on Bond Construction Funds is restricted, and the earnings rate is always lower than the borrowing rate. In recent years the difference between these two interest rates has been significant. Maintaining larger than needed balances in these Funds is a net income losing strategy. There are also potential tax law compliance issues when borrowed monies are not spent within the originally anticipated schedule. Negative consequences also emerge in this scenario when project expenditures are revenue financed, as rates and charges must be set at levels that produce unspent reserve balances. These instances often result in customer and stakeholder concerns.

As we prepared the financing plans for the recent bond transactions, we recognized the prudence of establishing a realistic expectation of capital expenditures to finance, and modified the CIP financing requirements accordingly. In summary, our approach for the capital financing plans for the bond sales included:

- No changes to the FY 2019 projected expenditures;
- A “financing level” of 80% of the total expenditures between FY 2020 and FY 2023;
- A phased ramp up of FY 2020 through FY 2023 expenditures, particularly for the Water CIP.

This approach is illustrated on the first 7 lines of each section of the attached exhibit page 2, and resulted in the CIP financing expenditure plan figures on Line 6 for Water and Line 16 for Sewer. In the bond official statements, we acknowledged that the CIP expenditure schedule for purposes of the bond financing plan was different from the formally approved, published CIP. See below from the official statements.

“The Fiscal Year 2019 Water and Wastewater Capital Improvement Plan (“CIP”) was approved by the GLWA Board on June 20, 2018. The CIP is dynamic and requires continual review and modification during the course of each year. GLWA has initiated efforts to prepare the Fiscal Year 2020-2024 CIP, and the CIP expenditure schedule shown in the following table reflects the initial planning levels established as part of those update efforts.”

As noted in the disclosure language, we expected that the FY 2020 CIP would reflect the moderated level of projected expenditures.

We have reviewed the Draft FY 2020 CIP and compared the financing requirements to those included in the bond financing plans. See the last three lines in each section of exhibit page 2. General observations:

- The Draft FY 2020 CIP (Water and Sewer combined) is ~ \$275 million higher than the target established for the bond financing plan.

- In order to align the Draft CIP with the bond financing plan, significant planned project deferrals into years 6 through 10 would be required to move this \$275 million outside the short-term financing window - or . . .
- A "capital financing level" assumption on the order of 75% to 80% would be appropriate for policy consideration.
- The Draft FY 20 CIP assumes rapid project delivery performance. The plan indicates Water expenditures will quadruple and Sewer expenditures will double compared to what was realized during FY 2018.

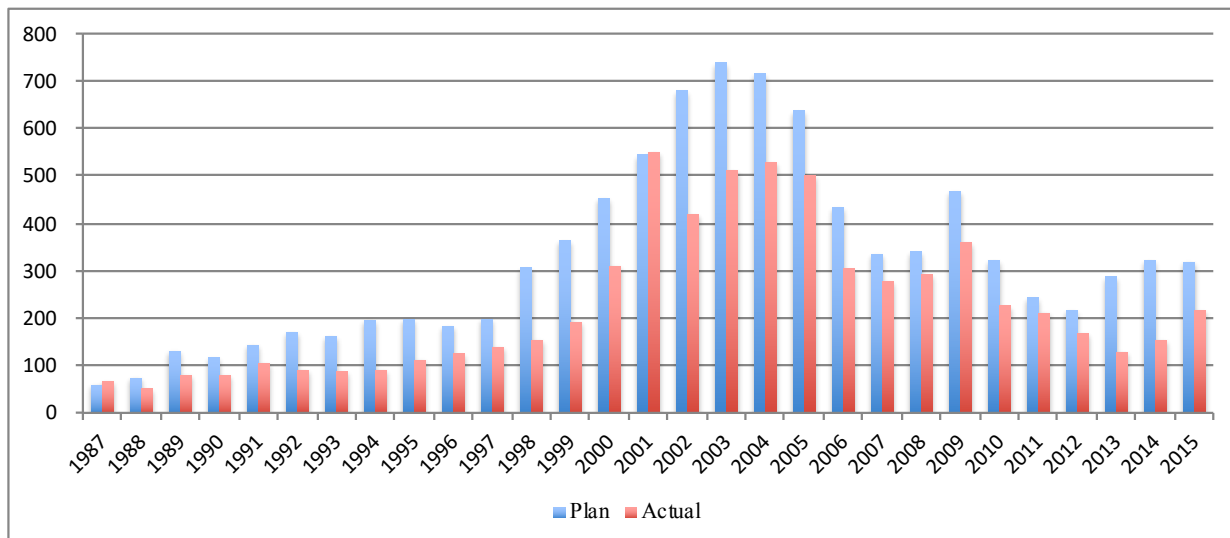
Exhibit page 3 provides a graphical comparison of the figures shown on exhibit page 2.

We recognize that the Authority's infrastructure plans include projects that are essential to maintaining and improving quality of service and achieving strategic objectives. This discussion is not intended to question the intent of the overall plans or individual projects. However, we do think it would be prudent to consider policy approaches that result in capital financing plans that reflect the challenges of implementing such plans, as evidenced by recent experience. We trust that this discussion provides thoughtful topics for policy consideration and we are available to present these observations and discuss this matter at your convenience.

DWSD CIP Performance - \$ millions

Fiscal Year	Financed / Actual Expenditures						Achievement Percentage		
	Water Supply System		Sewage Disposal System		Total DWSD		Water	Sewer	Total
	Plan (a)	Actual	Plan (a)	Actual	Plan (a)	Actual			
1987	29.4	31.4	31.2	36.5	60.6	68.0	107%	117%	112%
1988	49.1	23.4	25.5	29.1	74.6	52.5	48%	114%	70%
1989	57.3	37.4	73.2	43.7	130.5	81.1	65%	60%	62%
1990	53.9	31.5	63.6	49.2	117.5	80.7	58%	77%	69%
1991	77.9	16.5	66.2	89.9	144.1	106.5	21%	136%	74%
1992	98.7	18.2	72.9	73.8	171.6	92.0	18%	101%	54%
1993	79.7	24.5	82.4	64.3	162.1	88.8	31%	78%	55%
1994	98.9	38.5	96.6	53.7	195.5	92.2	39%	56%	47%
1995	76.7	50.3	121.3	62.5	198.0	112.8	66%	52%	57%
1996	84.2	51.9	100.0	74.3	184.2	126.2	62%	74%	69%
1997	84.6	51.3	114.3	88.0	198.8	139.2	61%	77%	70%
1998	182.3	77.6	125.0	76.5	307.3	154.1	43%	61%	50%
1999	174.5	94.8	190.0	97.8	364.5	192.6	54%	51%	53%
2000	178.5	180.0	274.0	130.0	452.5	310.0	101%	47%	69%
2001	201.2	263.0	343.0	286.4	544.2	549.4	131%	83%	101%
2002	280.8	156.3	399.3	263.5	680.1	419.8	56%	66%	62%
2003	300.3	181.5	438.4	329.9	738.7	511.4	60%	75%	69%
2004	245.6	155.3	470.2	373.7	715.8	529.0	63%	79%	74%
2005	237.0	151.8	400.7	349.8	637.7	501.6	64%	87%	79%
2006	174.3	98.1	259.2	206.8	433.5	304.9	56%	80%	70%
2007	125.8	96.7	209.6	181.1	335.4	277.8	77%	86%	83%
2008	164.8	135.6	175.4	156.4	340.2	292.0	82%	89%	86%
2009	183.3	150.5	283.6	209.4	466.9	359.8	82%	74%	77%
2010	123.3	97.0	198.9	129.7	322.2	226.7	79%	65%	70%
2011	96.6	87.8	147.0	124.1	243.6	211.9	91%	84%	87%
2012	91.0	72.7	125.6	97.0	216.5	169.7	80%	77%	78%
2013	142.8	25.0	145.1	105.0	287.9	130.0	18%	72%	45%
2014	146.3	40.0	176.1	113.7	322.4	153.7	27%	65%	48%
2015	125.2	62.5	193.7	154.5	318.9	217.0	50%	80%	68%
Total	3,963.9	2,501.2	5,401.9	4,050.2	9,365.7	6,551.4	63%	75%	70%
Average	136.7	86.2	186.3	139.7	323.0	225.9	63%	75%	70%

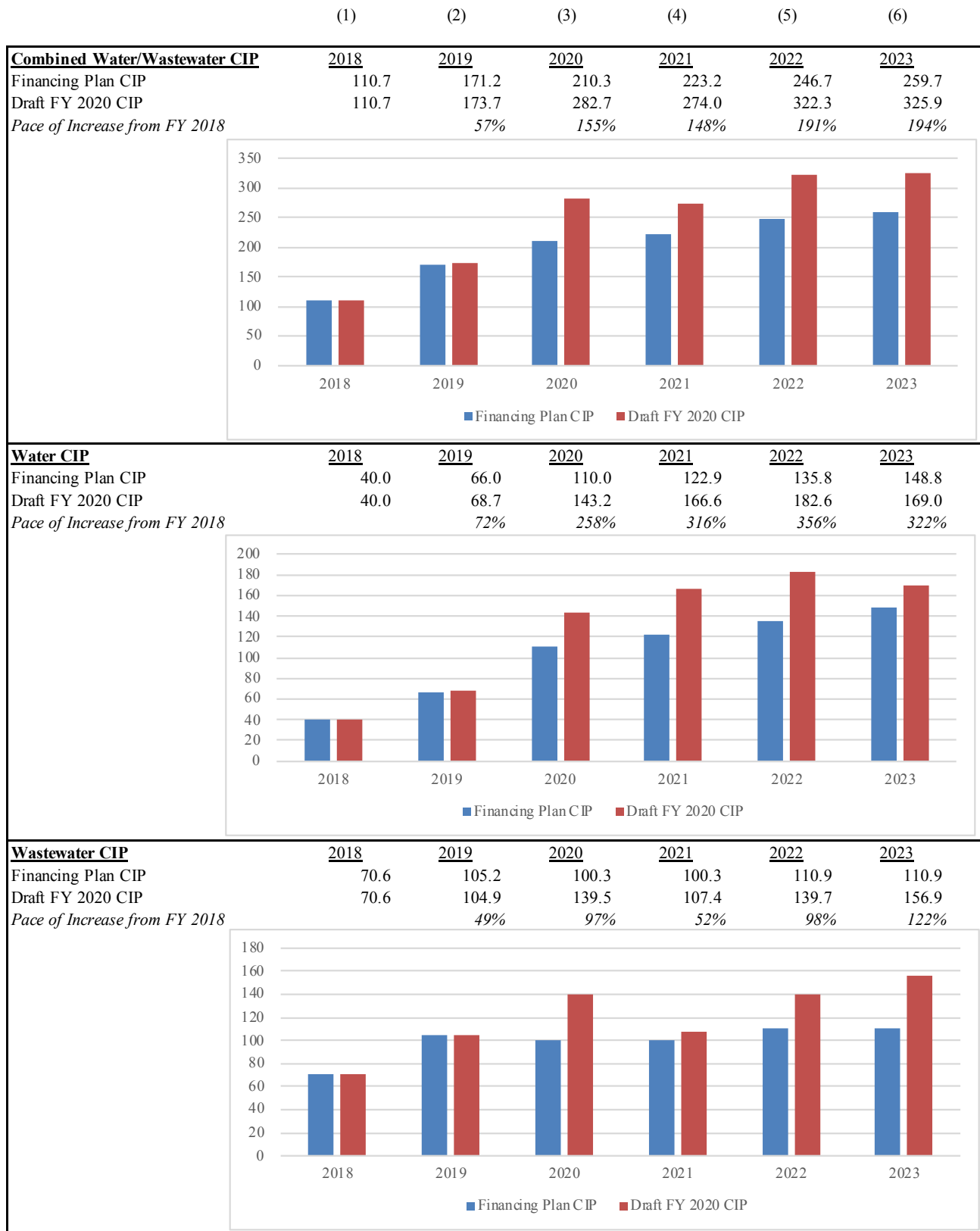
(a) Reflects amount financed by plan in support of proposed rates. To the extent that such financing was not required, the general impact is to carry over financing to subsequent years and defer the need for additional financing sources.



CIP Planning Exercise - \$1,000s
Comparison of Financing Plan CIP from Bond Sale vs. Draft FY 2020 CIP

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>5-Year Total</u>	<u>2020-2023</u>
<u>Water</u>							
1 Approved FY 2019 CIP	66,038	137,583	155,734	178,300	175,174	712,829	646,791
2 FY 2020-23 Planning Target - %							80.0%
3 FY 2020-23 Planning Target							517,433
4 Average Annual Target FY 2020-23							129,358
5 Phased Implementation		85.0%	95.0%	105.0%	115.0%		
6 Phased Financing Plan for Bond Sale	66,038	110,000	122,900	135,800	148,800	583,538	517,500
7 Variance from Approved FY 19 CIP	0	(27,583)	(32,834)	(42,500)	(26,374)	(129,291)	
8 Draft FY 2020 CIP	68,746	143,247	166,599	182,595	169,006	730,193	661,447
9 Variance from Bond Financing Plan	2,708	33,247	43,699	46,795	20,206	146,655	143,947
10 Indicated Funding Level for Fin Plan		77%	74%	74%	88%		78%
<u>Sewer</u>							
11 Approved FY 2019 CIP	105,183	111,155	111,952	136,411	168,458	633,159	527,976
12 FY 2020-23 Planning Target - %							80.0%
13 FY 2020-23 Planning Target							422,381
14 Average Annual Target FY 2020-23							105,595
15 Phased Implementation		95.0%	95.00%	105.00%	105.00%		
16 Phased Financing Plan for Bond Sale	105,183	100,300	100,300	110,900	110,900	527,583	422,400
17 Variance from Approved FY 19 CIP	0	(10,855)	(11,652)	(25,511)	(57,558)	(105,576)	
18 Draft FY 2020 CIP	104,931	139,480	107,430	139,677	156,884	648,402	543,471
19 Variance from Bond Financing Plan	(252)	39,180	7,130	28,777	45,984	120,819	121,071
20 Indicated Funding Level for Fin Plan		72%	93%	79%	71%		78%
<u>Combined</u>							
21 Approved FY 2019 CIP	171,221	248,738	267,686	314,711	343,632	1,345,988	1,174,767
22 FY 2020-23 Planning Target - %							80.0%
23 FY 2020-23 Planning Target							939,814
24 Average Annual Target FY 2020-23							234,953
25 Phased Implementation		89.5%	95.0%	105.0%	110.5%		
26 Phased Financing Plan for Bond Sale	171,221	210,300	223,200	246,700	259,700	1,111,121	939,900
27 Variance from Approved FY 19 CIP	0	(38,438)	(44,486)	(68,011)	(83,932)	(234,867)	
28 Draft FY 2020 CIP	173,677	282,727	274,029	322,272	325,890	1,378,595	1,204,918
29 Variance from Bond Financing Plan	2,456	72,427	50,829	75,572	66,190	267,474	265,018
30 Indicated Funding Level for Fin Plan		74%	81%	77%	80%		78%

CIP Planning Exercise - \$ millions
Comparison of Financing Plan CIP from Bond Sale vs. Draft FY 2020 CIP





Financial Services Audit Committee Communication

Date: October 26, 2018
To: Great Lakes Water Authority Audit Committee
From: Nicolette Bateson, CPA
Chief Financial Officer/Treasurer
Re: Proposed 2019 Audit Committee Meeting Dates

Background: In planning for 2019, it is time to establish the meeting calendar for the Great Lakes Water Authority Audit Committee.

Analysis: Listed below is a proposed 2019 Audit Committee meeting calendar based upon a general premise of scheduling meetings for the third Friday of each month (or the fourth Friday if the third Friday is a holiday). The proposed meeting time is 8:00 a.m. and the meetings will be held at the Water Board Building, 735 Randolph, 5th floor, Detroit, MI 48226.

January 18, 2019	July 19, 2019
February 15, 2019	August 16, 2019
March 15, 2019	September 20, 2019
April 26, 2019	October 18, 2019
May 17, 2019	November 15, 2019
June 21, 2019	December 20, 2019

Proposed Action: Approve the meeting schedule as proposed or amended.

GLWA

Great Lakes Water Authority



Monthly Financial Report

July 2018

**Presented to the
Great Lakes Water Authority
Audit Committee
on October 26, 2018**

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 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	80
Emergency	1
Older Contracts	<u>6</u>
Total	<u><u>87</u></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 2019 water billed usage and revenues. As of July 31, 2018, the billed usage was at 110.30% of budget and billed revenue at 105.85% of budget. Billings and usage from the City of Flint *are* included as they were assumed in the FY 2019 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.

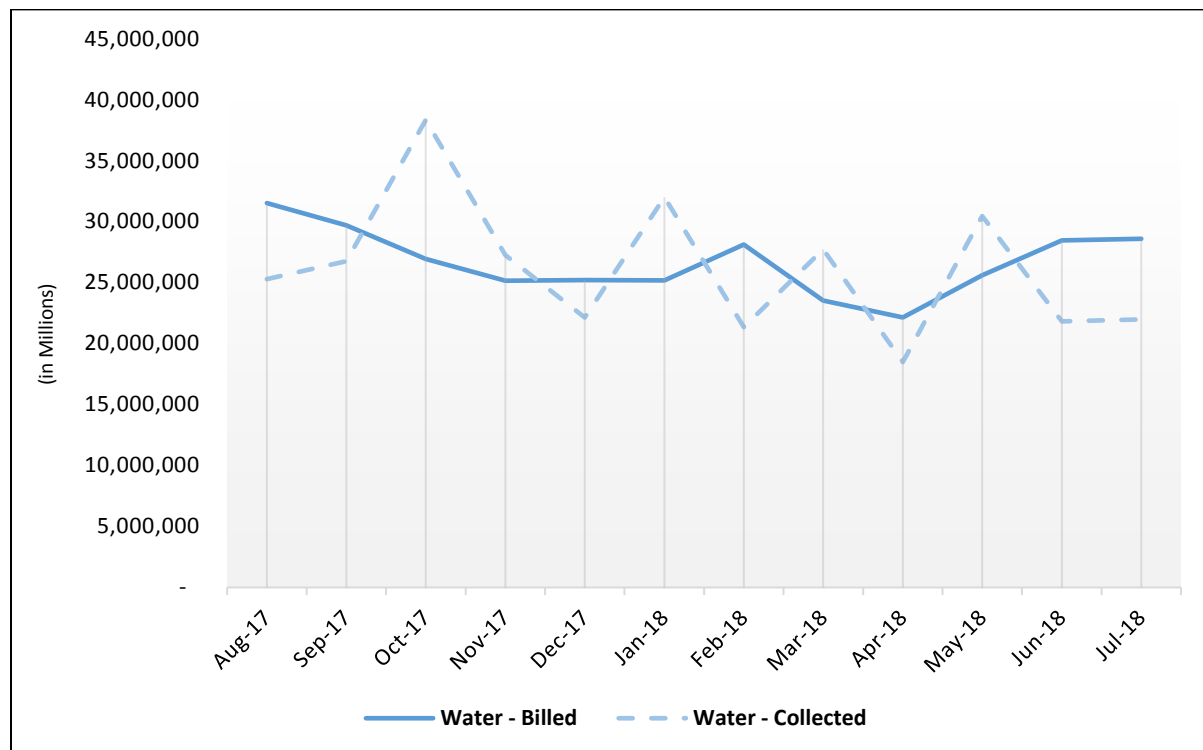
Chart 1 - Wholesale Water Collections shows collections by month for the past 12 months compared to billings for the same calendar months to depict net cashflow from water charges for that time period.

Table 1 – FY 2019 Wholesale Water Billings Report

Month	FY 2019 - Budget			FY 2019 - Actual			Variance	
	Volume	Revenue	Unit Revenue	Volume	Revenue	Unit Revenue	Volume	Revenue
	Mcf	\$	\$/Mcf	Mcf	\$	\$/Mcf	Mcf	\$
July	1,632,120	30,347,500	18.59	1,800,256	32,122,653	17.84	168,136	1,775,153
August	1,518,130	29,405,800	19.37					
September	1,354,440	27,424,800	20.25					
October	1,091,580	24,826,000	22.74					
November	912,260	23,273,500	25.51					
December	1,002,110	23,912,600	23.86					
January	1,019,240	24,133,400	23.68					
February	885,170	23,021,600	26.01					
March	1,000,060	23,933,100	23.93					
April	952,450	23,568,200	24.74					
May	1,116,620	25,296,500	22.65					
June	1,557,060	29,624,900	19.03					
Total	14,041,240	308,767,900	21.99	1,800,256	32,122,653	17.84	168,136	1,775,153
Subtotals ytd	1,632,120	30,347,500	18.59	1,800,256	32,122,653	17.84	168,136	1,775,153
Achievement of Budget				110.30%	105.85%			

* Includes Revenues and Usage from the City of Flint.

Chart 1 - Wholesale Water Collections



GLWA Wholesale Sewer Billings and Collections

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

Service Arrangement Type**

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

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

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

Table 2 - Wholesale Sewer Billings shows the FY 2019 sewer billed revenue. Consistent with expectations as a result of sewer rate simplification, billed revenue is at 100.00% of budget through July 31, 2018.

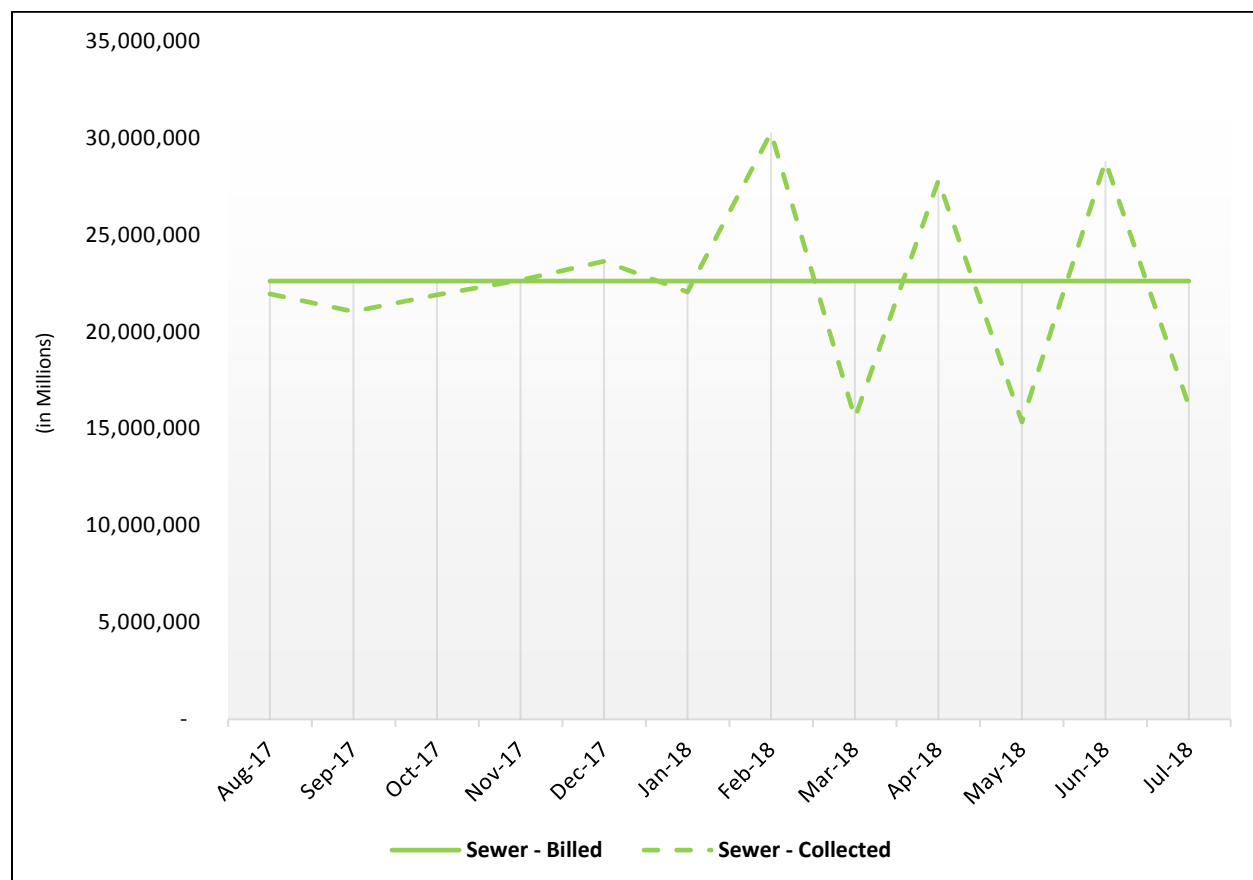
Wholesale Sewer Collections: The collections represent payments made by wholesale customers. These receipts are deposited directly into a lockbox with a trustee for administration of the flow of funds defined by GLWA’s Master Bond Ordinance.

Chart 2 - Wholesale Sewer Collections shows collections by month for the past 12 months compared to billings for the same calendar months to depict net cashflow from wholesale sewer charges for that time period.

Table 2 – FY 2019 Wholesale Sewer Billings Report

Month	FY 2019 - Budget		FY 2019 - Actual		Variance	
	Volume	Revenue	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$
July	N/A	22,912,800	N/A	22,912,800	N/A	-
August	N/A	22,912,800	N/A		N/A	
September	N/A	22,912,800	N/A		N/A	
October	N/A	22,912,800	N/A		N/A	
November	N/A	22,912,800	N/A		N/A	
December	N/A	22,912,800	N/A		N/A	
January	N/A	22,912,800	N/A		N/A	
February	N/A	22,912,800	N/A		N/A	
March	N/A	22,912,800	N/A		N/A	
April	N/A	22,912,800	N/A		N/A	
May	N/A	22,912,800	N/A		N/A	
June	N/A	22,912,800	N/A		N/A	
	-----		-----		-----	
Total		274,953,600		22,912,800		0
Subtotals ytd		22,912,800		22,912,800		0
Achievement of Budget				100.00%		

Chart 2 - Wholesale Sewer Collections



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 July 31, 2018, Highland Park had a delinquent balance of \$38.8 million, including \$30.9 million for wastewater treatment services, \$1.6 million for industrial waste control services, and \$6.2 million for water supply services.

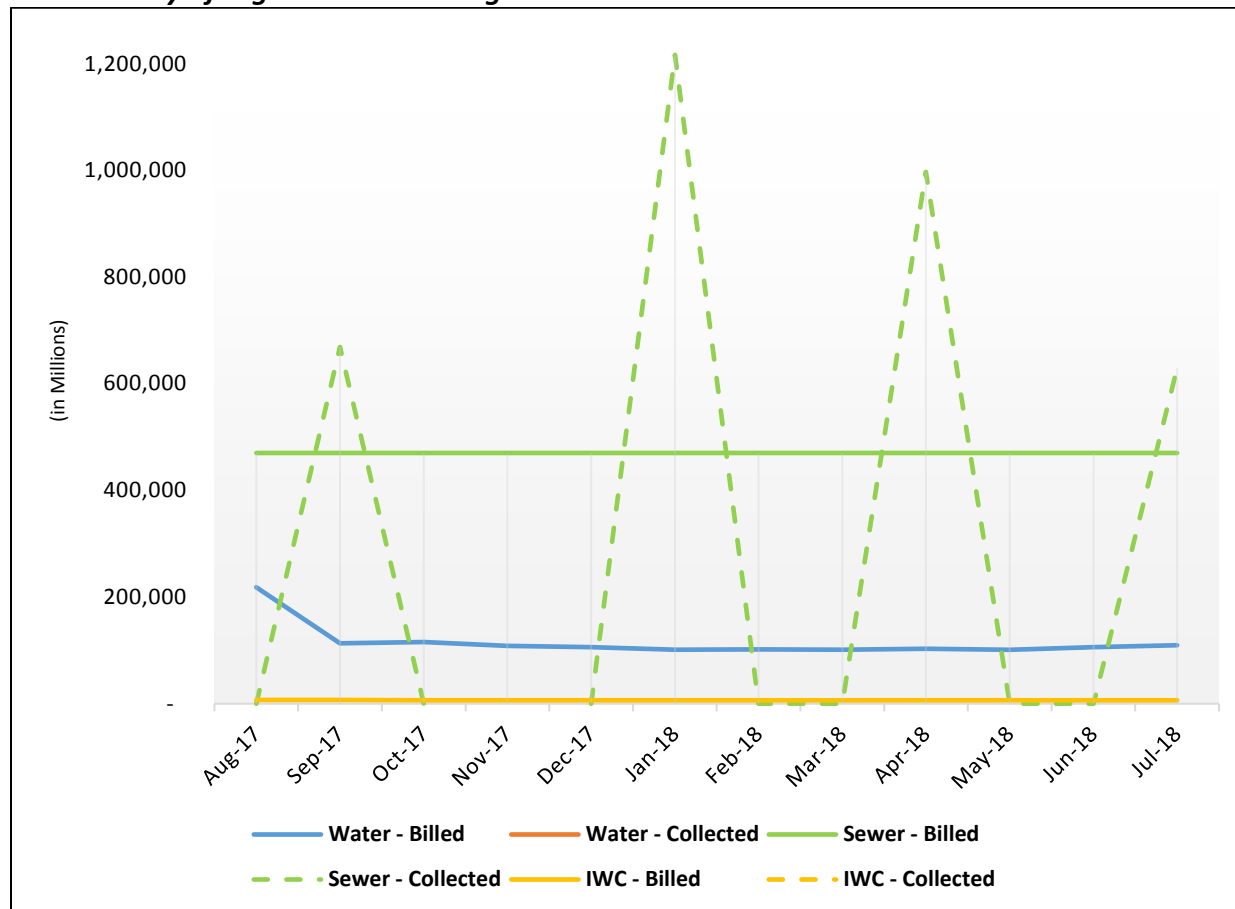
Table 3 - City of Highland Park Billings and Collections Since 2012 provides a life-to-date summary of the billing and collection history for Highland Park from June 30, 2012 to July 31, 2018. Please note the numbers below reflect the month the billing was sent and not the month the service was provided.

Chart 3 - City of Highland Park Billings and Collections – Past Twelve Months is provided to depict Highland Park's most current performance. Payments received-to-date are applied to Sewer at this time.

Table 3 - City of Highland Park Billings and Collections Since 2012

	Water	Sewer	IWC	Cumulative Total
June 30, 2012 Balance	\$ -	\$ 10,207,956	\$ 852,987	\$ 11,060,943
FY 2013 Billings	485,887	4,987,635	154,444	5,627,966
FY 2013 Payments	(65,652)	(2,206,211)	-	(2,271,863)
June 30, 2013 Balance	\$ 420,235	\$ 12,989,380	\$ 1,007,431	\$ 14,417,046
FY 2014 Billings	1,004,357	6,980,442	161,951	8,146,750
FY 2014 Payments	-	(1,612,633)	-	(1,612,633)
June 30, 2014 Balance	\$ 1,424,592	\$ 18,357,189	\$ 1,169,382	\$ 20,951,163
FY 2015 Billings	1,008,032	5,553,123	165,739	6,726,894
FY 2015 Payments	-	(1,444,623)	-	(1,444,623)
June 30, 2015 Balance	\$ 2,432,625	\$ 22,465,689	\$ 1,335,121	\$ 26,233,435
FY 2016 Billings	1,157,178	5,612,167	106,431	6,875,776
FY 2016 Payments	-	(2,022,335)	-	(2,022,335)
June 30, 2016 Balance	\$ 3,589,803	\$ 26,055,521	\$ 1,441,551	\$ 31,086,875
FY 2017 Billings	1,245,267	5,802,000	101,999	7,149,265
FY 2017 Payments	-	(2,309,186)	-	(2,309,186)
June 30, 2017 Balance	\$ 4,835,070	\$ 29,548,335	\$ 1,543,550	\$ 35,926,954
FY 2018 Billings (12 Months)	1,277,179	5,657,101	80,472	7,014,752
FY 2018 Payments (12 Months)	-	(4,108,108)	-	(4,108,108)
June 30, 2018 Balance	\$ 6,112,248	\$ 31,097,327	\$ 1,624,022	\$ 38,833,597
FY 2019 Billings (1 Month)	109,568	470,200	6,754	586,521
FY 2019 Payments (1 Month)	-	(629,017)	-	(629,017)
Balance as of July 31, 2018	\$ 6,221,816	\$ 30,938,510	\$ 1,630,776	\$ 38,791,102

Chart 3 - City of Highland Park Billings and Collections – Past Twelve Months



Water & Sewer System Wholesale Accounts Receivable Aging Report

The detailed accounts receivable aging is attached to this report. This report reflects the wholesale receivables only and does not include DWSD. (Note: percentages vary from 100% due to rounding.)

Table 4 - Wholesale Accounts Receivable Aging Report Summary is a summary of the total, current and non-current receivables by category as of July 31, 2018.

Table 5 - 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, Net of Highland Park and WTUA is a summary *without* the past due balances for the City of Highland Park and net of pending credits for certain Western Township Utilities Authority (WTUA). Credits for billed services are pending receipt of a final agreement from Wayne County to effectuate a transfer retroactive to July 1, 2018.

Table 4 - Wholesale Accounts Receivable Aging Report Summary

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 44,949,474.21	\$ 38,174,870.45	\$ 869,453.27	\$ 103,400.77	\$ 5,801,749.72
Sewer	\$ 52,573,810.28	\$ 20,052,399.50	\$ 2,523,300.00	\$ 470,200.00	\$ 29,527,910.78
IWC	\$ 3,209,733.74	\$ 826,399.25	\$ 249,574.56	\$ -	\$ 2,133,759.93
Pollutant Surcharge	\$ 1,091,583.92	\$ 683,685.38	\$ 43,016.95	\$ 93,539.85	\$ 271,341.74
Total	\$ 101,824,602.15	\$ 59,737,354.58	\$ 3,685,344.78	\$ 667,140.62	\$ 37,734,762.17
	100.00%	58.67%	3.62%	0.66%	37.06%

Table 5 - Wholesale Accounts Receivable Aging Report, Net of Highland Park

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 38,727,658.72	\$ 37,959,354.61	\$ 768,304.11	\$ -	\$ -
Sewer	\$ 21,635,299.50	\$ 19,582,199.50	\$ 2,053,100.00	\$ -	\$ -
IWC	\$ 1,578,957.69	\$ 819,645.73	\$ 236,291.88	\$ -	\$ 523,020.08
Pollutant Surcharge	\$ 1,091,583.92	\$ 683,685.38	\$ 43,016.95	\$ 93,539.85	\$ 271,341.74
Total	\$ 63,033,499.83	\$ 59,044,885.22	\$ 3,100,712.94	\$ 93,539.85	\$ 794,361.82
	100.00%	93.67%	4.92%	0.15%	1.26%

Table 6 - Wholesale Accounts Receivable Aging Report, Net of Highland Park and WTUA

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 38,727,658.72	\$ 37,959,354.61	\$ 768,304.11	\$ -	\$ -
Sewer	\$ 21,635,299.50	\$ 19,582,199.50	\$ 2,053,100.00	\$ -	\$ -
IWC	\$ 881,783.13	\$ 761,536.49	\$ 120,073.40	\$ -	\$ 173.24
Pollutant Surcharge	\$ 1,091,583.92	\$ 683,685.38	\$ 43,016.95	\$ 93,539.85	\$ 271,341.74
Total	\$ 62,336,325.27	\$ 58,986,775.98	\$ 2,984,494.46	\$ 93,539.85	\$ 271,514.98
	100.00%	93.58%	4.73%	0.15%	0.43%

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$206,955.60	\$206,955.60	\$0.00	\$0.00	\$0.00
ASH TOWNSHIP	\$67,313.46	\$67,313.46	\$0.00	\$0.00	\$0.00
BELLEVILLE	\$26,970.46	\$26,970.46	\$0.00	\$0.00	\$0.00
BERLIN TOWNSHIP	\$61,282.61	\$61,282.61	\$0.00	\$0.00	\$0.00
BROWNSTOWN TOWNSHIP	\$316,734.57	\$316,734.57	\$0.00	\$0.00	\$0.00
BRUCE TOWNSHIP	\$32,600.38	\$32,600.38	\$0.00	\$0.00	\$0.00
BURTCHVILLE TOWNSHIP	\$30,643.89	\$30,643.89	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$2,218,158.34	\$2,218,158.34	\$0.00	\$0.00	\$0.00
CENTER LINE	\$39,285.49	\$39,285.49	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$378,563.28	\$378,563.28	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$1,401,058.41	\$1,401,058.41	\$0.00	\$0.00	\$0.00
COMMERCE TOWNSHIP	\$500,229.71	\$500,229.71	\$0.00	\$0.00	\$0.00
DEARBORN	\$2,264,576.33	\$1,523,747.75	\$740,828.58	\$0.00	\$0.00
DEARBORN HEIGHTS	\$323,713.71	\$323,713.71	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$270,720.94	\$270,720.94	\$0.00	\$0.00	\$0.00
ECORSE	\$123,543.36	\$123,543.36	\$0.00	\$0.00	\$0.00
FARMINGTON	\$87,021.77	\$87,021.77	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$843,536.82	\$843,536.82	\$0.00	\$0.00	\$0.00
FERNDAL	\$85,162.24	\$85,162.24	\$0.00	\$0.00	\$0.00
FLAT ROCK	\$104,402.44	\$104,402.44	\$0.00	\$0.00	\$0.00
FLINT	\$255,669.46	\$255,669.46	\$0.00	\$0.00	\$0.00
FRASER	\$117,472.35	\$117,472.35	\$0.00	\$0.00	\$0.00
GARDEN CITY	\$141,529.96	\$141,529.96	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
GENESEE COUNTY DRAIN COMM	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GIBRALTAR	\$40,875.40	\$40,875.40	\$0.00	\$0.00	\$0.00
GREENWOOD TOWNSHIP	\$46,175.46	\$46,175.46	\$0.00	\$0.00	\$0.00
GROSSE ILE TOWNSHIP	\$109,173.91	\$109,173.91	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$118,214.88	\$118,214.88	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$68,008.82	\$68,008.82	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$139,357.85	\$139,357.85	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$58,638.18	\$58,638.18	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$73,763.16	\$73,763.16	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$135,149.08	\$135,149.08	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$59,038.02	\$59,038.02	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$6,221,815.49	\$215,515.84	\$101,149.16	\$103,400.77	\$5,801,749.72
HURON TOWNSHIP	\$121,588.46	\$121,588.46	\$0.00	\$0.00	\$0.00
IMLAY CITY	\$107,747.48	\$107,747.48	\$0.00	\$0.00	\$0.00
IMLAY TOWNSHIP	\$2,062.10	\$2,062.10	\$0.00	\$0.00	\$0.00
INKSTER	\$303,747.93	\$303,747.93	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$26,460.38	\$26,460.38	\$0.00	\$0.00	\$0.00
LAPEER	\$234,665.78	\$234,665.78	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$24,907.21	\$24,907.21	\$0.00	\$0.00	\$0.00
LINCOLN PARK	\$191,388.93	\$191,388.93	\$0.00	\$0.00	\$0.00
LIVONIA	\$1,312,585.76	\$1,312,585.76	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$1,148,839.40	\$1,148,839.40	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MADISON HEIGHTS	\$165,540.05	\$165,540.05	\$0.00	\$0.00	\$0.00
MAYFIELD TOWNSHIP	\$8,631.74	\$8,631.74	\$0.00	\$0.00	\$0.00
MELVINDALE	\$53,523.72	\$53,523.72	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$47,542.51	\$47,542.51	\$0.00	\$0.00	\$0.00
NOCWA	\$4,090,114.67	\$4,090,114.67	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$67,845.43	\$67,845.43	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$637,355.93	\$637,355.93	\$0.00	\$0.00	\$0.00
NOVI	\$911,234.32	\$911,234.32	\$0.00	\$0.00	\$0.00
OAK PARK	\$111,197.96	\$111,197.96	\$0.00	\$0.00	\$0.00
OAKLAND CO DR COM	\$8,837.01	\$8,837.01	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$96,974.79	\$96,974.79	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$404,395.09	\$404,395.09	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$291,064.60	\$291,064.60	\$0.00	\$0.00	\$0.00
RIVER ROUGE	\$54,611.81	\$54,611.81	\$0.00	\$0.00	\$0.00
RIVERVIEW	\$82,645.67	\$82,645.67	\$0.00	\$0.00	\$0.00
ROCKWOOD	\$26,101.03	\$26,101.03	\$0.00	\$0.00	\$0.00
ROMEO	\$24,155.95	\$24,155.95	\$0.00	\$0.00	\$0.00
ROMULUS	\$335,216.23	\$335,216.23	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$226,125.37	\$226,125.37	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$18,659.32	\$18,659.32	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$1,375,148.19	\$1,375,148.19	\$0.00	\$0.00	\$0.00
SOCWA	\$4,047,214.99	\$4,047,214.99	\$0.00	\$0.00	\$0.00
SOUTH ROCKWOOD	\$8,488.78	\$8,488.78	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SOUTHGATE	\$183,393.57	\$183,393.57	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$257,921.96	\$257,921.96	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$2,781,851.44	\$2,781,851.44	\$0.00	\$0.00	\$0.00
SUMPTER TOWNSHIP	\$56,479.41	\$56,479.41	\$0.00	\$0.00	\$0.00
SYLVAN LAKE	\$20,297.68	\$20,297.68	\$0.00	\$0.00	\$0.00
TAYLOR	\$426,256.70	\$426,256.70	\$0.00	\$0.00	\$0.00
TRENTON	\$180,801.34	\$180,801.34	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$1,270,919.27	\$1,270,919.27	\$0.00	\$0.00	\$0.00
UTICA	\$58,190.03	\$58,190.03	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$534,251.36	\$506,775.83	\$27,475.53	\$0.00	\$0.00
VILLAGE OF ALMONT	\$19,314.03	\$19,314.03	\$0.00	\$0.00	\$0.00
WALLED LAKE	\$82,472.95	\$82,472.95	\$0.00	\$0.00	\$0.00
WARREN	\$874,665.87	\$874,665.87	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$227,906.76	\$227,906.76	\$0.00	\$0.00	\$0.00
WAYNE	\$234,978.55	\$234,978.55	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$1,718,567.11	\$1,718,567.11	\$0.00	\$0.00	\$0.00
WESTLAND	\$1,084,938.69	\$1,084,938.69	\$0.00	\$0.00	\$0.00
WIXOM	\$244,787.48	\$244,787.48	\$0.00	\$0.00	\$0.00
WOODHAVEN	\$181,417.45	\$181,417.45	\$0.00	\$0.00	\$0.00
YCUA	\$976,088.14	\$976,088.14	\$0.00	\$0.00	\$0.00
TOTAL WATER ACCOUNTS	\$44,949,474.21	\$38,174,870.45	\$869,453.27	\$103,400.77	\$5,801,749.72

GLWA Aged Accounts Receivable- SEWER ACCOUNTS

Balances as of 7/31/2018

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	\$82,199.50	\$82,199.50	\$0.00	\$0.00	\$0.00
DEARBORN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EVERGREEN-FARMINGTON	\$2,811,100.00	\$2,811,100.00	\$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	\$145,000.00	\$145,000.00	\$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	\$30,938,510.78	\$470,200.00	\$470,200.00	\$470,200.00	\$29,527,910.78
MELVINDALE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OAKLAND COUNTY GWK DD	\$3,812,600.00	\$3,812,600.00	\$0.00	\$0.00	\$0.00
OMID	\$6,068,000.00	\$6,068,000.00	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$21,200.00	\$21,200.00	\$0.00	\$0.00	\$0.00
ROUGE VALLEY	\$4,585,200.00	\$4,585,200.00	\$0.00	\$0.00	\$0.00
WAYNE COUNTY N.E.	\$4,106,200.00	\$2,053,100.00	\$2,053,100.00	\$0.00	\$0.00
WAYNE COUNTY-AREA #3	\$3,800.00	\$3,800.00	\$0.00	\$0.00	\$0.00
TOTAL SEWER ACCOUNTS	\$52,573,810.28	\$20,052,399.50	\$2,523,300.00	\$470,200.00	\$29,527,910.78

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$2,575.88	\$2,575.88	\$0.00	\$0.00	\$0.00
AUBURN HILLS (C-O)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AUBURN HILLS (E-F)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BERKLEY	\$4,632.04	\$4,632.04	\$0.00	\$0.00	\$0.00
BEVERLY HILLS	\$1,596.08	\$1,596.08	\$0.00	\$0.00	\$0.00
BINGHAM FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BIRMINGHAM (E-F)	\$3,797.08	\$3,797.08	\$0.00	\$0.00	\$0.00
BIRMINGHAM (SEOC)	\$26,744.28	\$8,914.76	\$17,792.60	\$0.00	\$36.92
BLOOMFIELD HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BLOOMFIELD TOWNSHIP	\$11,584.36	\$11,584.36	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$365,405.76	\$30,461.84	\$60,923.68	\$0.00	\$274,020.24
CENTER LINE	\$5,884.48	\$5,884.48	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$19,408.56	\$19,408.56	\$0.00	\$0.00	\$0.00
CITY OF FARMINGTON (E-F)	\$445.88	\$445.88	\$0.00	\$0.00	\$0.00
CITY OF ROCHESTER	\$5,949.80	\$5,949.80	\$0.00	\$0.00	\$0.00
CLARKSTON	\$491.32	\$491.32	\$0.00	\$0.00	\$0.00
CLAWSON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$40,603.48	\$40,603.48	\$0.00	\$0.00	\$0.00
DEARBORN	\$117,263.60	\$58,631.80	\$58,631.80	\$0.00	\$0.00
DEARBORN HEIGHTS	\$15,267.84	\$15,267.84	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$170.40	\$170.40	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$10,153.00	\$10,153.00	\$0.00	\$0.00	\$0.00
FARMINGTON	\$5,289.93	\$5,289.93	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
FARMINGTON HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FERNDAL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FRASER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GARDEN CITY	\$9,780.96	\$9,780.96	\$0.00	\$0.00	\$0.00
GROSSE POINTE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$3,337.00	\$3,337.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$1,888.60	\$1,888.60	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$3,993.04	\$4,200.36	\$ (207.32)	\$0.00	\$0.00
HAMTRAMCK	\$6,668.32	\$6,668.32	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$3,024.60	\$3,024.60	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$10,025.20	\$5,012.60	\$5,012.60	\$0.00	\$0.00
HAZEL PARK	\$5,415.88	\$5,415.88	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$1,630,776.05	\$6,753.52	\$13,282.68	\$0.00	\$1,610,739.85
HUNTINGTON WOODS	\$914.48	\$457.24	\$457.24	\$0.00	\$0.00
INDEPENDENCE	\$7,645.28	\$7,645.28	\$0.00	\$0.00	\$0.00
INKSTER	\$8,883.52	\$8,883.52	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LAKE ORION	\$1,283.68	\$1,283.68	\$0.00	\$0.00	\$0.00
LATHRUP	\$2,246.44	\$2,246.44	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$2,059.00	\$781.00	\$1,278.00	\$0.00	\$0.00
LIVONIA	\$63,846.04	\$63,846.04	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MACOMB TWP	\$329.44	\$329.44	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MELVINDALE	\$5,799.28	\$5,799.28	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$4,163.44	\$3,851.04	\$176.08	\$0.00	\$136.32
NORTHVILLE TOWNSHIP	\$87,687.84	\$7,307.32	\$14,614.64	\$0.00	\$65,765.88
NOVI	\$27,601.96	\$27,601.96	\$0.00	\$0.00	\$0.00
OAK PARK	\$11,078.84	\$11,078.84	\$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)	\$8,755.72	\$8,755.72	\$0.00	\$0.00	\$0.00
OXFORD TOWNSHIP	\$1,536.44	\$1,536.44	\$0.00	\$0.00	\$0.00
OXFORD VILLAGE	\$2,010.72	\$2,010.72	\$0.00	\$0.00	\$0.00
PLEASANT RIDGE	\$437.36	\$437.36	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$244,080.96	\$20,340.08	\$40,680.16	\$0.00	\$183,060.72
REDFORD TOWNSHIP	\$19,917.96	\$19,874.32	\$43.64	\$0.00	\$0.00
ROCHESTER HILLS	\$29,226.44	\$29,226.44	\$0.00	\$0.00	\$0.00
ROMULUS	\$1,479.64	\$1,479.64	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$22,660.36	\$22,660.36	\$0.00	\$0.00	\$0.00
ROYAL OAK	\$21,694.76	\$21,694.76	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$19,096.16	\$19,096.16	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SOUTHFIELD (E-F)	\$45,008.32	\$45,008.32	\$0.00	\$0.00	\$0.00
SOUTHFIELD (SEOC)	\$6,046.36	\$6,046.36	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$19,402.88	\$19,402.88	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$49,816.44	\$49,816.44	\$0.00	\$0.00	\$0.00
TROY (E-F)	\$613.44	\$613.44	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$58,881.72	\$58,881.72	\$0.00	\$0.00	\$0.00
UTICA	\$4,694.52	\$4,694.52	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$3,266.00	\$3,266.00	\$0.00	\$0.00	\$0.00
VILLAGE OF FRANKLIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$2,206.68	\$2,206.68	\$0.00	\$0.00	\$0.00
WATERFORD TOWNSHIP	\$19,791.96	\$19,791.96	\$0.00	\$0.00	\$0.00
WAYNE	\$8,017.32	\$8,017.32	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$1,508.04	\$1,508.04	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (E-F)	\$10,062.12	\$10,062.12	\$0.00	\$0.00	\$0.00
WESTLAND	\$73,808.76	\$36,920.00	\$36,888.76	\$0.00	\$0.00
TOTAL IWC ACCOUNTS	\$3,209,733.74	\$826,399.25	\$249,574.56	\$0.00	\$2,133,759.93

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
A & R PACKING CO., LLC	\$4,424.14	\$4,424.14	\$0.00	\$0.00	\$0.00
AACTRON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ACADEMY PACKING CO.	\$304.57	\$304.57	\$0.00	\$0.00	\$0.00
ACME RUSTPROOF	\$89.40	\$44.70	\$44.70	\$0.00	\$0.00
ADVANCED RESOURCE RECOVERY	\$1,275.05	\$1,275.05	\$0.00	\$0.00	\$0.00
AEVITAS SPECIALITY SERVICES	\$21,132.25	\$12,226.18	\$2,878.81	\$0.00	\$6,027.26
ALEXANDER & HORNUNG	\$6,148.12	\$6,148.12	\$0.00	\$0.00	\$0.00
ALEXANDER & HORNUNG	\$23,862.47	\$23,862.47	\$0.00	\$0.00	\$0.00
ALEXANDER & HORNUNG	\$1,494.26	\$1,494.26	\$0.00	\$0.00	\$0.00
ALGAL SCIENTIFIC CORPORATION	\$15,140.11	\$3,113.23	\$1,266.73	\$1,269.88	\$9,490.27
ALL CHEM CORP, LLC.	\$ (128.05)	\$0.00	\$0.00	\$ (128.05)	\$0.00
ALPHA STAMPING COMPANY	\$400.37	\$400.37	\$0.00	\$0.00	\$0.00
AMERICAN WASTE TECH INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ATWATER BREWERY	\$72.56	\$72.56	\$0.00	\$0.00	\$0.00
ATWATER BREWERY	\$1,122.75	\$1,122.75	\$0.00	\$0.00	\$0.00
AUTOMOTIVE FINISH	\$4.72	\$4.72	\$0.00	\$0.00	\$0.00
AXLE BREWING COMPANY, LLC	\$190.63	\$190.63	\$0.00	\$0.00	\$0.00
BAFFIN BREWING COMPANY	\$528.31	\$0.00	\$0.00	\$223.08	\$305.23
BARON INDUSTRIES	\$721.10	\$721.10	\$0.00	\$0.00	\$0.00
BARTZ BAKERY	\$84.56	\$84.56	\$0.00	\$0.00	\$0.00
BASTONE BREWERY	\$43.88	\$43.88	\$0.00	\$0.00	\$0.00
BATCH BREWING COMPANY	\$ (502.36)	\$0.00	\$0.00	\$0.00	\$ (502.36)
BAYS MICHIGAN CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
BEIRUT BAKERY, INC.	\$65.41	\$0.00	\$65.41	\$0.00	\$0.00
BETTER MADE SNACK FOOD	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BLACK LOTUS BREWING CO.	\$102.13	\$72.91	\$0.00	\$29.22	\$0.00
BOZEK'S MARKET	\$62.06	\$62.06	\$0.00	\$0.00	\$0.00
BREW DETROIT	\$2,542.96	\$2,542.96	\$0.00	\$0.00	\$0.00
BROADWAY MKT CORNED BEEF	\$ (137.94)	\$0.00	\$0.00	\$0.00	\$ (137.94)
BROOKS BREWING, LLC.	\$87.23	\$87.23	\$0.00	\$0.00	\$0.00
CANTON BREW WORKS	\$70.31	\$70.31	\$0.00	\$0.00	\$0.00
CAPITAL REPRODUCTIONS	\$3.54	\$2.04	\$0.00	\$1.50	\$0.00
CF BURGER CREAMERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CHILANGO'S BAKERY	\$1,978.74	\$27.12	\$22.34	\$22.34	\$1,906.94
CINTAS CORP. - MACOMB TWP.	\$115,762.63	\$58,446.30	\$0.00	\$57,316.33	\$0.00
CINTAS CORPORATION	\$31,658.87	\$31,658.87	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$8,552.24	\$8,552.24	\$0.00	\$0.00	\$0.00
CITY LAUNDRY, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLASSIC CONTAINER CORP.	\$352.74	\$352.74	\$0.00	\$0.00	\$0.00
COCA-COLA REFRESHMENTS USA,	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$5,527.19	\$5,527.19	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$506.89	\$506.89	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$1,755.12	\$1,755.12	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COUNTRY FRESH DAIRY CO.	\$19,258.31	\$19,258.31	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
CROSS CHEMICAL COMPANY, INC.	\$913.53	\$913.53	\$0.00	\$0.00	\$0.00
DARLING INGREDIENTS, INC.	\$6,131.44	\$6,131.44	\$0.00	\$0.00	\$0.00
DAVE'S SAUSAGE FACTORY 2	\$451.79	\$451.79	\$0.00	\$0.00	\$0.00
DEARBORN BREWING	\$56.14	\$56.14	\$0.00	\$0.00	\$0.00
DEARBORN SAUSAGE	\$7,939.19	\$7,939.19	\$0.00	\$0.00	\$0.00
DEARBORN SAUSAGE CO., INC.	\$9,772.98	\$9,772.98	\$0.00	\$0.00	\$0.00
DETROIT BEER	\$123.65	\$123.65	\$0.00	\$0.00	\$0.00
DETROIT LINEN SERVICE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT SAUSAGES CO INC	\$98.70	\$16.92	\$16.92	\$19.74	\$45.12
DETRONIC INDUSTRIES, INC.	\$86.48	\$86.48	\$0.00	\$0.00	\$0.00
DIFCO LABORATORIES, INC.	\$10,026.60	\$10,026.60	\$0.00	\$0.00	\$0.00
DIVERSIFIED CHEM TECH. INC.	\$84.45	\$84.45	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
E.W. GROBBEL'S SONS, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ENVIROSOLIDS, L.L.C.	\$161,320.77	\$161,320.77	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$3,650.16	\$3,650.16	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$12,217.08	\$12,217.08	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$ (1,239.07)	\$0.00	\$0.00	\$ (1,239.07)	\$0.00
EQ DETROIT, INC.	\$ (4,596.56)	\$0.00	\$0.00	\$ (4,596.56)	\$0.00
EQ RESOURCES RECOVERY, INC.	\$2,050.05	\$2,050.05	\$0.00	\$0.00	\$0.00
ETON ST BREWERY- GRIFFIN CLF	\$3,138.23	\$3,138.23	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
EXTRUDE HONE CORPORATION	\$434.42	\$297.50	\$136.92	\$0.00	\$0.00
EXTRUDEHODE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FARMINGTON BREWING COMPANY	\$44.36	\$44.36	\$0.00	\$0.00	\$0.00
FAYGO BEVERAGES, INC.	\$281,317.57	\$32,235.09	\$30,509.90	\$30,190.85	\$188,381.73
FORD NEW MODEL PROGRAM	\$1,199.43	\$1,199.43	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$977.24	\$977.24	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$4,111.00	\$4,111.00	\$0.00	\$0.00	\$0.00
GENERAL LINEN SUPPLY CO.	\$56,791.58	\$5,900.00	\$5,959.07	\$6,370.33	\$38,562.18
GLOBAL TITANIUM, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GLOBAL TITANIUM, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$305.68	\$165.96	\$139.72	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$81.11	\$81.11	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$478.37	\$129.33	\$137.02	\$0.00	\$212.02
GREAT BARABOO BREWING CO.	\$ (2,319.23)	\$0.00	\$0.00	\$0.00	\$ (2,319.23)
HACIENDA MEXICAN FOODS	\$5,088.79	\$694.54	\$590.50	\$629.86	\$3,173.89
HENKEL CORPORATION	\$543.19	\$151.94	\$0.00	\$125.35	\$265.90
HOME STYLE FOOD INC.	\$5,954.78	\$5,954.78	\$0.00	\$0.00	\$0.00
HOOD CLEANERS	\$210.36	\$0.00	\$0.00	\$0.00	\$210.36
HOUGHTON INTERNATIONAL INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HOUGHTON INTERNATIONAL INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HOUGHTON INTERNATIONAL INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HUNTINGTON CLEANERS	\$633.68	\$633.68	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
INDUSTRIAL METAL COATING	\$1,562.16	\$1,122.37	\$439.79	\$0.00	\$0.00
ISLAMIC SLAUGHTER HOUSE	\$959.39	\$502.54	\$456.85	\$0.00	\$0.00
ITALIAN BUTTER BREAD STICKS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
J & G FOOD PRODUCTS, INC.	\$64.87	\$64.87	\$0.00	\$0.00	\$0.00
KAR NUT PRODUCTS	\$1,439.37	\$1,439.37	\$0.00	\$0.00	\$0.00
KOWALSKI SAUSAGES, CO.	\$769.63	\$769.63	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$598.94	\$598.94	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$120.91	\$120.91	\$0.00	\$0.00	\$0.00
LEAR CORPORATION DBA EAGLE C	\$5,286.66	\$5,286.66	\$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	\$56.42	\$56.42	\$0.00	\$0.00	\$0.00
MACDERMID, INC.	\$2,312.67	\$2,312.67	\$0.00	\$0.00	\$0.00
MCNICHOLS POLISHING & ANODIZ	\$29.81	\$0.00	\$29.81	\$0.00	\$0.00
MELLO MEATS INC, - KUBISCH S	\$84.62	\$84.62	\$0.00	\$0.00	\$0.00
METROPOLITAN BAKERY	\$504.15	\$504.15	\$0.00	\$0.00	\$0.00
MIBA HYDRAMECHANICA CORP.	\$646.80	\$445.26	\$201.54	\$0.00	\$0.00
MICHIGAN DAIRY	\$92,790.43	\$92,790.43	\$0.00	\$0.00	\$0.00
MICHIGAN PROD. MACHINING	\$1,447.71	\$1,447.71	\$0.00	\$0.00	\$0.00
MICHIGAN SOY PRODUCTS CO.	\$604.56	\$604.56	\$0.00	\$0.00	\$0.00
MIDWEST WIRE PRODUCTS, INC.	\$ (2.94)	\$0.00	\$0.00	\$0.00	\$ (2.94)
MILANO BAKERY	\$782.55	\$782.55	\$0.00	\$0.00	\$0.00
MILTON CHILI CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MINNIE MARIE BAKERS, INC	\$3,584.57	\$3,584.57	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MISTER UNIFORM & MAT RENTALS	\$560.98	\$32.47	\$25.90	\$32.81	\$469.80
MOTOR CITY BREWING WORKS	\$663.80	\$0.00	\$0.00	\$0.00	\$663.80
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTH CENTER BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTHERN LAKES SEAFOOD & MEAT	\$31.40	\$31.40	\$0.00	\$0.00	\$0.00
OAKWOOD BAKERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PELLERITO FOODS INC.	\$810.33	\$810.33	\$0.00	\$0.00	\$0.00
PEPSI COLA, INC.	\$21,191.41	\$21,191.41	\$0.00	\$0.00	\$0.00
PERSONAL UNIFORM SERVICE, INC.	\$108.74	\$108.74	\$0.00	\$0.00	\$0.00
PETRO ENVIRON TECH, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PINE TREE ACRES, INC.	\$15,872.47	\$15,872.47	\$0.00	\$0.00	\$0.00
PLATING SPEC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POWER VAC OF MICHIGAN, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PREMIER PLATING, LLC	\$4,025.86	\$1,201.79	\$0.00	\$1,277.76	\$1,546.31
PRODUCTION SPRING, LLC.	\$268.02	\$268.02	\$0.00	\$0.00	\$0.00
QUALA SERVICES, LLC	\$157.35	\$157.35	\$0.00	\$0.00	\$0.00
RAY'S ICE CREAM CO.	\$106.92	\$106.92	\$0.00	\$0.00	\$0.00
RED SPOT PAINT #409139	\$14.91	\$14.91	\$0.00	\$0.00	\$0.00
RIVER ROUGE BREWING COMPANY	\$615.83	\$615.83	\$0.00	\$0.00	\$0.00
ROAK BREWING CO. LLC	\$2,796.70	\$823.50	\$0.00	\$678.43	\$1,294.77

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ROCHESTER MILLS BEER COMPANY	\$271.46	\$271.46	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS PROD BREWERY	\$2,546.54	\$1,348.02	\$0.00	\$1,198.52	\$0.00
RTT	\$23,143.92	\$0.00	\$0.00	\$0.00	\$23,143.92
SEAFARE FOODS, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SHERWOOD BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SPRAYTEK, INC.	\$4,070.02	\$46.85	\$17.24	\$23.90	\$3,982.03
SWEETHEART BAKERY, INC.	\$488.30	\$80.66	\$77.78	\$93.63	\$236.23
THE CROWN GROUP-LIVONIA PLAN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
THE ROYAL OAK BREWERY	\$ (1,666.16)	\$0.00	\$0.00	\$0.00	\$ (1,666.16)
TOM LAUNDRY CLEANERS	\$29.29	\$29.29	\$0.00	\$0.00	\$0.00
TRAFFIC JAM & SNUG	\$ (0.48)	\$0.00	\$0.00	\$0.00	\$ (0.48)
TURRI'S ITALIAN FOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TURRI'S ITALIAN FOODS	\$17,437.47	\$17,437.47	\$0.00	\$0.00	\$0.00
U-METCO, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$40,779.99	\$40,779.99	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNIQUE LINEN SERVICES, INC.	\$100.09	\$100.09	\$0.00	\$0.00	\$0.00
UNITED FISH DISTRIBUTORS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNITED LINEN SERVICE, LLC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNITED MEAT & DELI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
US ECOLOGY MICHIGAN	\$ (3,946.91)	\$0.00	\$0.00	\$0.00	\$ (3,946.91)
USHER OIL SERVICES	\$4,212.80	\$4,212.80	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 7/31/2018

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
VERNDALE PRODUCTS, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
VERNOR FOOD PRODUCTS	\$33.75	\$33.75	\$0.00	\$0.00	\$0.00
WIGLEY'S MEAT PROCESS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$803.88	\$803.88	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$132.57	\$132.57	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO	\$6,761.49	\$6,761.49	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO.	\$2,882.69	\$2,882.69	\$0.00	\$0.00	\$0.00
TOTAL POLLUTANT SURCHARGE ACCOUNTS	\$1,091,583.92	\$683,685.38	\$43,016.95	\$93,539.85	\$271,341.74

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. FY 2019 DWSD Retail Water Revenue Billings and Collections
2. FY 2019 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 2019 water usage and billed revenue which are provided by DWSD staff. As of July 31, 2018, the DWSD usage was at 111.75% of the budget and billed revenue was at 108.26% 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.

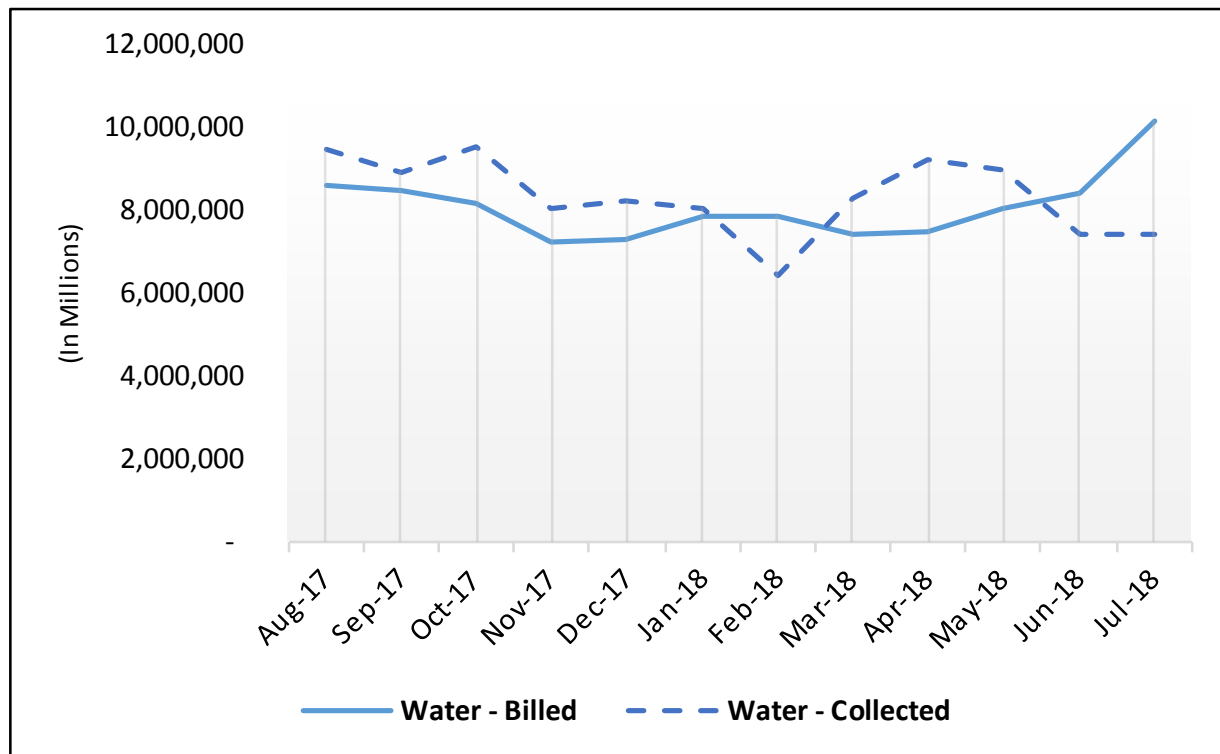
Chart 1 - Retail Water Collections shows collections by month for the past 12 months compared to billings for the same calendar months to depict net cashflow from water charges for that time period.

Table 1 – DWSD Retail Water Billings

Month	FY 2019 - Budget			FY 2019 - Actual			Variance	
	Volume	Revenue	Unit	Volume	Revenue (1)	Unit	Volume	Revenue
	Mcf	\$	\$/Mcf	Mcf	\$	\$/Mcf	Mcf	\$
July	269,000	9,424,500	35.04	300,613	10,203,409	33.94	31,613	778,909
August	273,100	9,377,700	34.34					
September	270,500	8,494,300	31.40					
October	233,800	8,165,900	34.93					
November	224,500	7,750,100	34.52					
December	206,500	8,224,900	39.83					
January	226,600	7,978,800	35.21					
February	216,400	7,980,200	36.88					
March	213,300	8,163,900	38.27					
April	223,100	7,856,900	35.22					
May	211,000	9,109,200	43.17					
June	240,200	9,063,600	37.73			-		
Total	2,808,000	101,590,000	36.18	300,613	10,203,409	33.94	31,613	778,909
Subtotals ytd	269,000	9,424,500	35.04	300,613	10,203,409	33.94	31,613	778,909
Achievement of Budget				111.75%	108.26%			

(1) Retail Revenues include Miscellaneous Revenues and Penalties

Chart 1 – DWSD Retail Water Collections



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 2 - DWSD Retail Sewer Billings shows the FY 2019 sewer billed revenue which are provided by DWSD staff. As of July 30, 2018, the DWSD usage was at 113.12% of the budget and billed revenue was at 101.56% 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.

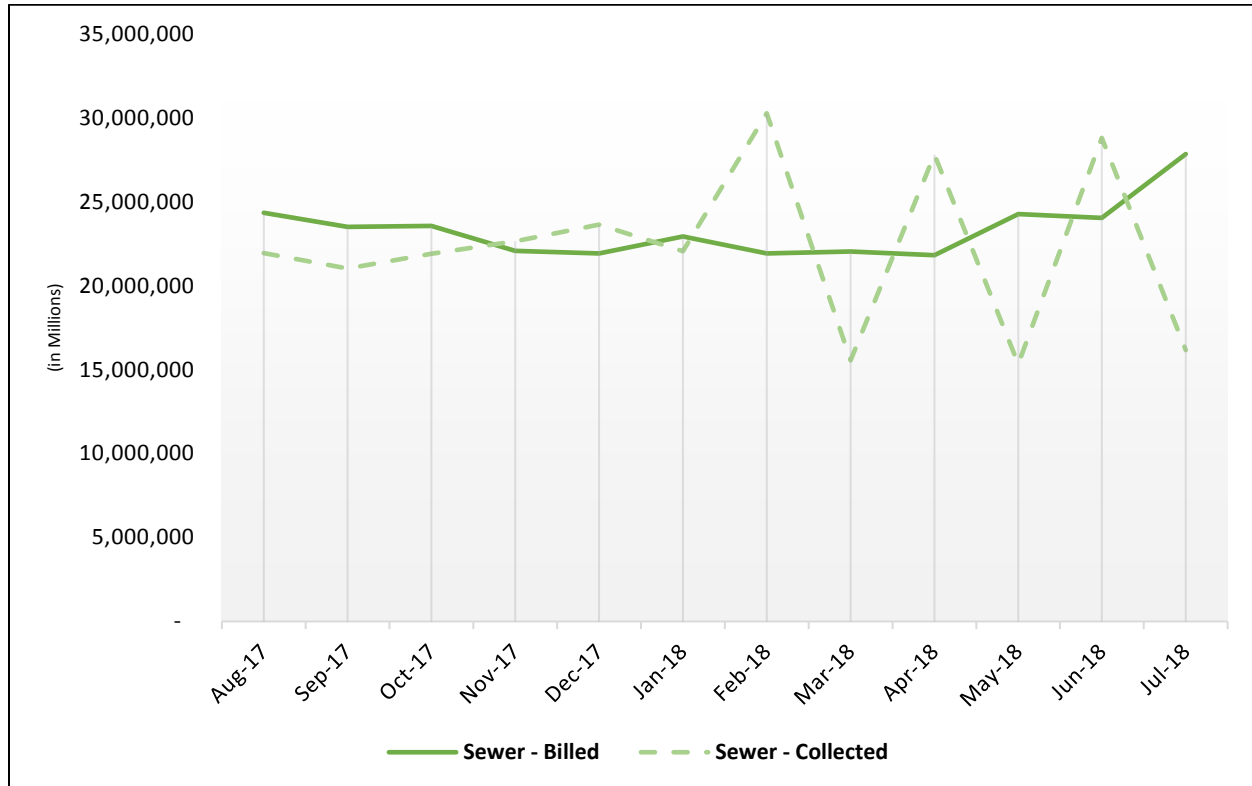
Chart 2 – DWSD Retail Sewer Collections shows collections by month for the past 12 months compared to billings for the same calendar months to depict net cashflow from water charges for that time period.

Table 2 - DWSD Retail Sewer Billings

Month	FY 2019 - Budget		FY 2019 - Actual		Variance	
	<u>Volume</u>	<u>Revenue</u>	<u>Volume</u>	<u>Revenue</u>	<u>Volume</u>	<u>Revenue</u>
	<i>Mcf</i>	<i>\$</i>	<i>Mcf</i>	<i>\$</i>	<i>Mcf</i>	<i>\$</i>
July	242,100	27,423,400	273,862	27,851,140	31,762	427,740
August	244,200	27,232,200				
September	239,600	25,367,500				
October	211,000	25,177,200				
November	197,600	23,861,000				
December	182,400	25,293,500				
January	198,600	24,852,800				
February	191,600	25,329,400				
March	191,000	25,474,500				
April	197,300	24,789,700				
May	187,300	26,205,200				
June	210,300	26,730,700				
Total	2,493,000	307,737,100	273,862	27,851,140	31,762	427,740
Subtotals ytd	242,100	27,423,400	273,862	27,851,140	31,762	427,740
Achievement of Budget			113.12%	101.56%		

(1) Retail Revenues include Miscellaneous Revenues and Penalties

Chart 2 – DWSD Retail Sewer Collections



DWSD Retail Water and Sewer Accounts Receivable Aging Report

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

Table 3 is a summary of the total, current and non-current Water receivables by category as of July 31, 2018. This does not include pre-bifurcation receivables transferred to DWSD as part of the April 2018 Memorandum of Understanding.

Table 4 is a summary of the total, current and non-current Sewer receivables by category as of July 31, 2018. This does not include pre-bifurcation receivables transferred to DWSD as part of the April 2018 Memorandum of Understanding.

Table 3 – DWSD Retail Accounts Receivable Aging Report – Water

Sales Class	# of Accounts	Avg. Balance	Current	> 30 Days	> 60 Days	> 180 Days	TOTAL A/R BALANCE
RESIDENTIAL	191,149	\$ 104.05	\$ 3,528,418	\$ 1,600,981	\$ 3,794,819	\$ 10,964,054	\$ 19,888,272
			17.7%	8.0%	19.1%	55.1%	100.0%
COMMERCIAL	12,109	337.34	2,106,156	415,465	600,642	962,585	4,084,849
			51.6%	10.2%	14.7%	23.6%	100.0%
INDUSTRIAL	1,367	468.27	831,981	240,363	(16,516)	(415,698)	640,131
			130.0%	37.5%	(2.6%)	(64.9%)	100.0%
TAX EXEMPT	401	1,361.64	320,326	76,320	139,761	9,612	546,019
			58.7%	14.0%	25.6%	1.8%	100.0%
FAITH BASED	640	342.15	38,120	13,918	41,512	125,423	218,974
			17.4%	6.4%	19.0%	57.3%	100.0%
CITY OF DETROIT	1,025	647.04	312,677	108,372	131,830	110,338	663,217
			47.1%	16.3%	19.9%	16.6%	100.0%
WAYNE STATE	3	(79.49)	53	(292)	-	-	(238)
			(22.3%)	122.3%	0.0%	0.0%	100.0%
Total	206,694	\$ 125.99	\$ 7,137,733	\$ 2,455,126	\$ 4,692,050	\$ 11,756,315	\$ 26,041,224
% of Total DWSD A/R			27.4%	9.4%	18.0%	45.1%	100.0%

Table 4 – DWSD Retail Accounts Receivable Aging Report – Sewer

Sales Class	# of Accounts	Avg. Balance	Current	> 30 Days	> 60 Days	> 180 Days	TOTAL A/R BALANCE
RESIDENTIAL	181,551	\$ 286.99	\$ 8,660,619	\$ 4,256,702	\$ 10,990,160	\$ 28,196,182	\$ 52,103,663
			16.6%	8.2%	21.1%	54.1%	100.0%
COMMERCIAL	22,513	969.46	6,392,420	2,161,401	4,590,223	8,681,499	21,825,542
			29.3%	9.9%	21.0%	39.8%	100.0%
INDUSTRIAL	3,745	3,315.62	3,261,955	2,133,388	2,599,879	4,421,761	12,416,984
			26.3%	17.2%	20.9%	35.6%	100.0%
TAX EXEMPT	1,851	3,108.11	1,522,172	1,106,664	1,861,984	1,262,285	5,753,106
			26.5%	19.2%	32.4%	21.9%	100.0%
FAITH BASED	724	2,268.70	154,031	84,702	500,414	903,391	1,642,538
			9.4%	5.2%	30.5%	55.0%	100.0%
CITY OF DETROIT	2,738	2,593.84	940,494	1,179,774	1,983,594	2,998,061	7,101,924
			13.2%	16.6%	27.9%	42.2%	100.0%
WAYNE STATE	14	2,631.96	398	2,314	10,520	23,616	36,847
			1.1%	6.3%	28.6%	64.1%	100.0%
HIGHWAY DRAINAGE	2	1,033,386.46	257,193	195,370	781,481	832,729	2,066,773
			12.4%	9.5%	37.8%	40.3%	100.0%
Total	213,138	\$ 483.01	\$ 21,189,282	\$ 11,120,315	\$ 23,318,257	\$ 47,319,524	\$ 102,947,377
% of Total DWSD A/R			20.6%	10.8%	22.7%	46.0%	100.0%

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 Department completes required MBO transfers on the first business day of each month. Treasury completes these transfers 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. Required transfers for July 2018 were completed on July 2, 2018. Tables 1 and 2 below provide detail by fund of each transfer completed.

Table 1 – GLWA Water Transfers reflects July transfers completed July 2, 2018.

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	\$0	\$130,651,200
Total FY 2018	\$121,562,604	\$6,048,000	\$10,695,696	\$2,159,400	\$0	\$0	\$140,465,700
FY 2019							
July 2018	\$ 10,393,475	\$504,000	\$891,308	\$171,683	-	-	\$11,960,466
Total FY 2019	\$10,393,475	\$504,000	\$891,308	\$171,683	\$0	\$0	\$11,960,466
Total Water Since Jan 1 2016	\$314,887,679	\$18,626,300	\$32,181,404	\$6,391,583	\$2,686,900	\$606,000	\$375,379,866

Table 2 - GLWA Sewer Transfers reflects July transfers completed July 2, 2018.

SEWER							
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Water
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	\$0	\$206,032,800
Total FY 2018	\$191,079,396	\$10,824,000	\$14,687,496	\$2,760,804	\$0	\$0	\$219,351,696
FY 2019							
July 2018	\$ 16,093,500	\$902,000	\$1,223,958	\$238,483	-	-	\$18,457,941
Total FY 2019	\$16,093,500	\$902,000	\$1,223,958	\$238,483	\$0	\$0	\$18,457,941
Total Sewer Since Jan 1 2016	\$483,897,296	\$33,402,800	\$43,964,054	\$8,177,087	\$8,246,100	\$779,600	\$578,466,937

Transfers for Operations and Maintenance, 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 April 2018 Memorandum of Understanding but is included to reflect historical activity. Treasury completes annual Extraordinary Repair & Replacement transfers as directed based on budget and yearend fund status.

MBO Transfers to Accounts Held by DWSD

DWSD Transfers: The Treasury Department completes required MBO transfers on the first business day of each month. Treasury completes these transfers 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. Required transfers for July 2018 were completed on July 2, 2018. Tables 3 and 4 below provide detail by fund of each transfer completed.

Table 3 – DWSD Water Transfers reflects July transfers completed July 2, 2018.

DWSD Water				
	Operations & Maintenance	Pension	Lease Payment (I&E Fund)	Total Water
Total FY 2016	\$ 26,185,600	\$ 4,262,700	\$ 20,173,100	\$ 50,621,400
Total FY 2017	\$ 33,596,400	\$ 4,262,400	\$ 22,500,000	\$ 60,358,800
Total FY 2018	\$ 35,059,704	\$ 4,272,000	\$ 20,625,000	\$ 59,956,704
FY 2019				
July 2018	\$ 2,957,025	\$ 356,000	\$ 1,545,900	\$ 4,858,925
Total FY 2019	\$ 2,957,025	\$ 356,000	\$ 1,545,900	\$ 4,858,925
Grand Total Water Transfers	\$ 97,798,729	\$ 13,153,100	\$ 64,844,000	\$ 175,795,829

Table 4 – DWSD Sewer Transfers reflects July transfers completed July 2, 2018.

DWSD Sewer				
	Operations & Maintenance	Pension	Lease Payment (I&E Fund)	Total Sewer
Total FY 2016	\$ 19,774,300	\$ 2,861,800	\$ 7,508,500	\$ 30,144,600
Total FY 2017	\$ 41,535,600	\$ 2,862,000	\$ 27,500,000	\$ 71,897,600
Total FY 2018	\$ 60,517,992	\$ 2,856,000	\$ 18,333,336	\$ 81,707,328
FY 2019				
July 2018	\$ 5,676,792	\$ 238,000	\$ 1,886,333	\$ 7,801,125
Total FY 2019	\$ 5,676,792	\$ 238,000	\$ 1,886,333	\$ 7,801,125
Grand Total Sewer Transfers	\$ 127,504,684	\$ 8,817,800	\$ 55,228,169	\$ 191,550,653

GLWA Public Finance communicates planned transfers in advance of the first business day of each month and GLWA Treasury sends confirmation of transfers made to DWSD Treasury.

Transfers for Operations and Maintenance, Pension, and 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 April 2018 Memorandum of Understanding but is included to reflect historical activity. Treasury completes annual Extraordinary Repair & Replacement transfers as directed based on budget and yearend fund status.