



Audit Committee Meeting
Friday, August 23, 2024, at 8:00 a.m.
www.glwater.org

[Join Zoom Meeting](#)

Meeting ID: **818 6050 4628** Passcode: **040363**

US Toll-free: **877 853 5247 or 888 788 0099**

AGENDA

Note: Binders 1 and 2 (8A) have been combined and PDF was renumbered

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF MINUTES
 - A. June 17, 2024 (Page 1)
5. PUBLIC PARTICIPATION
6. OLD BUSINESS
 - A. *Action Item:* Revised FY 2025 WRAP Allocations (Page 6)
7. NEW BUSINESS
 - A. *Action Item:* Proposed Water & Wastewater Charges Consultant (Page 12)
Contract Award
 - B. *Action Item:* Proposed Finance Operations Support Contract with (Page 17)
Slalom
 - C. FY 2024 Annual Financial Audit Update (Page 26)
 - D. Government Finance Officers Association Certificate of (Page 27)
Achievement for Excellence in Financial Reporting Award
 - E. Government Finance Officers Association Distinguished Budget (Page 29)
Presentation Award
8. REPORTS
 - A. CFO Report (Page 36)
 - B. Monthly Financial Report
 - i. March 2024 (Page 40)
 - ii. April 2024 (Page 41)
 - iii. May 2024 (Page 42)
 - C. Gifts, Grants & Other Resources Report
 - i. July 2024 (Page 43)
 - ii. August 2024 (Page 51)
 - D. Quarterly Investment Report through June 30, 2024 (Page 58)

- E. Affordability & Assistance Update
 - i. July 2024 (Page 85)
 - ii. August 2024 (Page 87)
- F. Quarterly Construction Work in Progress Report through (Page 89)
March 31, 2024
- 9. COMMUNICATIONS
 - A. The Procurement Pipeline for June 2024 (Page 110)
 - B. The Procurement Pipeline for July 2024 (Page 112)
 - C. The Procurement Pipeline for August 2024 (Page 114)
- 10. LOOK AHEAD
 - A. Next Audit Committee Meeting: September 27, 2024, at 8:00 a.m.
- 11. OTHER MATTERS
- 12. ADJOURNMENT



Great Lakes Water Authority

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

Meeting Minutes - Draft

Audit Committee

Monday, June 17, 2024

8:00 AM

Zoom Telephonic Meeting

Join Zoom Meeting:

<https://glwater.zoom.us/j/86550389447?pwd=QnJ5bUc5OEhyRTJuS2tPVS9TVjZSdz09>

Join By Telephone

US Toll-Free:

888 788 0099; or 877 853 5247

Meeting ID: 865 5038 9447

Passcode: 089203

Zoom Telephonic Special Meeting

Join Zoom Meeting:

<https://glwater.zoom.us/j/86550389447?pwd=QnJ5bUc5OEhyRTJuS2tPVS9TVjZSdz09>

Join By Telephone

US Toll-Free:

888 788 0099; or 877 853 5247

Meeting ID: 865 5038 9447

Passcode: 089203

1. Call To Order

Chairperson Baker called the meeting to order at 8:05 a.m.

2. Quorum Call

Present: 3 - Chairperson Brian Baker, Director Gary Brown, and Director Jaye Quadrozzi

3. Approval of Agenda

Chairperson Baker requested a Motion to Approve the Agenda.

Motion By: Jaye Quadrozzi

Support By: Gary Brown

Action: Approved

The motion carried by a unanimous vote.

4. Approval of Minutes

A. [2024-197](#) Minutes of April 29, 2024

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [4A Minutes - April 29, 2024 Audit Committee Meeting.pdf](#)

Chairperson Baker requested a Motion to Approve the April 29, 2024 Audit Committee Meeting Minutes.

Motion By: Jaye Quadrozzi

Support By: Gary Brown

Action: Approved

The motion carried by a unanimous vote.

5. Public Comment

There were no public comments.

6. Old Business**A.** [2024-196](#) 2024 Municipal Bond Refunding Transaction Results

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [6A1 AC Memo - 2024 Bond Transaction Update.pdf](#)
[6A2 GLWA Board Presentation 2024 Bond Deal FINAL.pdf](#)
[6A3 Moodys](#)
[Credit_Opinion-Great-Lakes-Wtr-Auth-MI-Update-14May2024-PBM_1407671.pdf](#)
[6A4 S and P Water](#)
[RatingsDirect_SummaryGreatLakesWaterAuthorityMichigan_58238984_May-14-2024.PDF](#)
[6A5 S and P Sewer](#)
[GreatLakesWaterAuthorityMichigan_May-14-2024.PDF](#)
[6A6 Fitch Published GLWA Water System Release_May 13 2024.pdf](#)
[6A7 Fitch Published GLWA Sewage System Release_May 13 2024.pdf](#)

Motion By: Jaye Quadrozzi

Support By: Gary Brown

Action: Received and Filed

The motion carried by a unanimous vote.

B. [2024-224](#) Report on Status of Conditions Precedent Related to Bad Debt Recovery Credit

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [6B1 Memo Report on Status of Conditions Precedent re HP Credit 6.14 at 1.34PM.pdf](#)
[6B2 Bad-Debt-Recovery-Credit-Pending-Approved-11.16.2023.pdf](#)

Motion By: Jaye Quadrozzi

Support By: Gary Brown

Action: Received and Filed

The motion carried by a unanimous vote.

7. New Business

A. [2024-195](#) **Resolution Regarding Approval of Series Ordinance Authorizing Issuance and Sale of Sewage Disposal System Revenue Bonds in an Aggregate Amount Not to Exceed \$66,096,901 (Ordinance 2024-04)**

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [7A3 Series Ordinance 2024 SRF-3-4, Q4 NWI Oakwood CIP 222001 and DWSD W Chicago S](#)
[7A4 Resolution Approving Series Ordinance 2024 SRF-3-4 NWI Oakwood CIP 222001 and DWSD W Chicago S](#)

Motion By: Gary Brown

Support By: Jaye Quadrozzi

Action: Recommended for Approval to the Board of Directors

Agenda of June 26, 2024

The motion carried by a unanimous vote.

B. [2024-198](#) **Resolution to Approve the FY 2024 Third Quarter Budget Amendments**

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [7B2 FY 2024 3rd Quarter Budget Amendment Report updated 6-18-2024 with Yellow.pdf](#)
[7B3 Board Letter Attachment 6.26.2024 Superseded Budget Amendment Pages with blue.pdf](#)

Motion By: Jaye Quadrozzi

Support By: Gary Brown

Action: Recommended for Approval to the Board of Directors

Agenda of June 26, 2024

The motion carried by a unanimous vote.

8. Reports

A. CFO Report (Verbal)

Nicolette Bateson, Chief Financial Officer/Treasurer, provided a verbal update on the launch of Workday and The Foster Group contract ending June 30, 2024, with a Request for Proposal issued for a Charges Only Contract.

Motion By: Gary Brown
Support By: Jaye Quadrozzi
Action: Receive and File
The motion carried by a unanimous vote.

B. [2024-225](#) Monthly Financial Report for February 2024

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [8B February 2024 Financial Report.pdf](#)

Motion By: Jaye Quadrozzi
Support By: Gary Brown
Action: Received and Filed
The motion carried by a unanimous vote.

C. [2024-226](#) Gifts, Grants & Other Resources Report

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [8C Grants Gifts and Other Resources Report.pdf](#)

Motion By: Jaye Quadrozzi
Support By: Gary Brown
Action: Received and Filed
The motion carried by a unanimous vote.

D. [2024-227](#) Quarterly Investment Report

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [8D1 Quarterly Investment Report Cover Memo May 2024.pdf](#)

[8D2 GLWA Quarterly Report March 2024 Final.pdf](#)

Motion By: Gary Brown
Support By: Jaye Quadrozzi
Action: Received and Filed
The motion carried by a unanimous vote.

9. Communications

- a. [2024-228](#) The Procurement Pipeline for May 2024

Sponsors: Nicolette Bateson

Indexes: Finance

Attachments: [9A The Procurement Pipeline for May 2024.pdf](#)

No Action Taken

10. Look Ahead

The Friday, June 28, 2024, 8:00 a.m., Audit Committee Meeting is canceled.

The next regular Audit Committee Meeting is scheduled for Friday, July 26, 2024, at 8:00 a.m.

11. Other Matters

There were no other matters.

12. Adjournment

Chairperson Baker requested a Motion to Adjourn.

Motion By: Jaye Quadrozzi

Support By: Gary Brown

Action: Approved

The motion carried by a unanimous vote.

There being no further business, the meeting was adjourned at 9:34 a.m.



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

From: Haran Stanley, Affordability & Assistance Management Professional

Re: Revised FY 2025 WRAP Allocations

Background: At the June 26, 2024, meeting the GLWA Board of Directors approved the contract amendments for the three WRAP service delivery partners: Wayne Metropolitan Community Action Agency (Areas 1, 2, & 3), United Way for Southeastern Michigan (Area 4), and Macomb Community Action Agency (Area 5). There are two elements to these amendments. The first is the total allocation for each service area. The second is the allocation among the three categories of expense. Those categories are payment assistance (including arrearage assistance), conservation, and program administration.

Analysis: In implementing the contract amendments, it was determined that the calculation by service area was correct, however the calculation for the categories of expense needed to be revised. On the next page, Table 1 below summarizes the revised WRAP expense allocations as corrected. Table 2 summarizes the allocations that were erroneously included in the prior report. A revised *FY 2025 Water Residential Assistance Program (WRAP) Funding Report* is attached.

Please note that no action is required by the Board of Directors as the report presented on June 26, 2024, provided the correct allocations for each service area delivery partner. The FY2025 WRAP Funding Report has been revised to reflect the correct expense categories. A communication will be included for the next Board of Directors meeting, so the public documents in Legistar reflect the most current information available.

Proposed Action: Receive and file this report.



Financial Services Audit Committee Communication

Table 1: REVISED FUNDING ALLOCATION

FY 2025 Water Residential Assistance Program Regional Funding by Service Area and Use

Service Area	Direct Assistance	Conservation	Administration	Lifeline	Total WRAP Allocation
Area 1 - City of Detroit	\$ -	\$ -	\$ -	\$ 1,323,900	\$ 1,323,900
Detroit	-	-	-	1,323,900	1,323,900
Area 2 - City of Flint	37,264	9,316	8,220		54,800
Genesee	37,264	9,316	8,220		54,800
Area 3 - Wayne (Not Including Detroit), Washtenaw, Monroe Counties	827,016	206,754	182,430		1,216,200
Monroe	92,208	23,052	20,340		135,600
Washtenaw	38,148	9,537	8,415		56,100
Wayne	696,660	174,165	153,675		1,024,500
Area 4 - Oakland County	684,148	171,037	150,915		1,006,100
Oakland	684,148	171,037	150,915		1,006,100
Area 5 - Macomb, St. Clair, Lapeer Counties	539,220	130,720	147,060		817,000
Lapeer	20,130	4,880	5,490		30,500
Macomb	510,312	123,712	139,176		773,200
St. Clair	8,778	2,128	2,394		13,300
Grand Total	\$ 2,087,648	\$ 517,827	\$ 488,625	\$ 1,323,900	\$ 4,418,000

Table 2: PRIOR FUNDING ALLOCATION

FY 2025 Water Residential Assistance Program Regional Funding by Service Area and Use

Service Area	Direct Assistance	Conservation	Administration	Lifeline	Total WRAP Allocation
Area 1 - City of Detroit				\$ 1,323,900	\$ 1,323,900
Detroit				1,323,900	1,323,900
Area 2 - City of Flint	43,840	2,740	8,220		54,800
Genesee	43,840	2,740	8,220		54,800
Area 3 - Wayne (Not Including Detroit), Washtenaw, Monroe Counties	972,960	60,810	182,430		1,216,200
Monroe	108,480	6,780	20,340		135,600
Washtenaw	44,880	2,805	8,415		56,100
Wayne	819,600	51,225	153,675		1,024,500
Area 4 - Oakland County	804,880	50,305	150,915		1,006,100
Oakland	804,880	50,305	150,915		1,006,100
Area 5 - Macomb, St. Clair, Lapeer Counties	653,600	40,850	122,550		817,000
Lapeer	24,400	1,525	4,575		30,500
Macomb	618,560	38,660	115,980		773,200
St. Clair	10,640	665	1,995		13,300
Grand Total	\$ 2,475,280	\$ 154,705	\$ 464,115	\$ 1,323,900	\$ 4,418,000



FY 2025

Water Residential Assistance Program (WRAP)

Funding Report

Issued August 23, 2024

Background

The Water Residential Assistance Program, or WRAP, provides assistance to eligible, low-income households who receive water and/or sewer service from Great Lakes Water Authority (GLWA) member partner communities. Households can receive help paying down past due balances and water and sewer bill payment assistance for up to two years. Eligible seniors and permanently disabled persons can obtain bill credit assistance without an expiration date. Participants may also receive conservation assistance and minor plumbing repairs. WRAP, a first-of-its-kind program in Michigan, was created by representatives from throughout the region. GLWA partners with agencies like Macomb Community Action (MCA), United Way for Southeastern Michigan (United Way), and Wayne Metropolitan Community Action Agency (Wayne Metro) to be service delivery partners that deliver WRAP services to residents.

The annual WRAP budget is calculated at one-half of one percent (0.5%) of the regional system operating revenue as authorized in GLWA's founding documents. In addition, the City of Detroit is authorized to include an additional 1% in the local Detroit Water & Sewerage Department (DWSD) budget based on its operating revenue budget. This amount is included in the rates for the local DWSD system only. In addition, DWSD contracts directly with Wayne Metro for the DWSD local system-generated funding.

The WRAP program funding is allocated among three uses for areas outside the City of Detroit: income-based plan (IBP) payment assistance (including arrearages), conservation (including healthy home initiatives and home repairs), and program administration. The percentage of funds allocated to program administration by the service delivery partners is based on contractual agreements and can vary from 15% - 18%. After the administration costs are deducted from the budget, the remaining funds are allocated at 80% to IBP assistance and 20% to conservation. Within the City of Detroit, the allocated WRAP funding supports DWSD's Lifeline program.

The Great Lakes Water Authority WRAP Policy and more information about the program can be found at the following links:

[Water Residential Assistance Program Policy - GLWA \(glwater.org\)](https://www.glwater.org/wrap-policy)

[Assistance - GLWA \(glwater.org\)](https://www.glwater.org/wrap-assistance)

Purpose of this Report

The purpose of this report is to present the upcoming FY2025 WRAP budget for internal and external stakeholders as well as to confirm the funding by service area for each service delivery partner.

- ✓ **Wayne Metro** provides services for Area 1 – City of Detroit, Area 2 – City of Flint, and Area 3 – Wayne (Not Including Detroit), Washtenaw, and Monroe Counties.
- ✓ **United Way** provides services for Area 4 – Oakland County.
- ✓ **MCA** provides services for Area 5 – Macomb, St. Clair, and Lapeer Counties.

The tables on the subsequent pages are provided for reference and to document the calculations that support the WRAP budget.

Questions?

Please contact us at wrap@glwater.org

Table 1 - FY 2025 Water Residential Assistance Program Regional Funding by Service Area and Use

Service Area	Direct Assistance	Conservation	Administration	Lifeline	Total WRAP Allocation
Area 1 - City of Detroit	\$ -	\$ -	\$ -	\$ 1,323,900	\$ 1,323,900
Detroit	-	-	-	1,323,900	1,323,900
Area 2 - City of Flint	37,264	9,316	8,220		54,800
Genesee	37,264	9,316	8,220		54,800
Area 3 - Wayne (Not Including Detroit), Washtenaw, Monroe Counties	827,016	206,754	182,430		1,216,200
Monroe	92,208	23,052	20,340		135,600
Washtenaw	38,148	9,537	8,415		56,100
Wayne	696,660	174,165	153,675		1,024,500
Area 4 - Oakland County	684,148	171,037	150,915		1,006,100
Oakland	684,148	171,037	150,915		1,006,100
Area 5 - Macomb, St. Clair, Lapeer Counties	539,220	130,720	147,060		817,000
Lapeer	20,130	4,880	5,490		30,500
Macomb	510,312	123,712	139,176		773,200
St. Clair	8,778	2,128	2,394		13,300
Grand Total	\$ 2,087,648	\$ 517,827	\$ 488,625	\$ 1,323,900	\$ 4,418,000

Table 2 - FY 2025 Water Residential Assistance Program Funding - Regional & Local Funding

Service Area	Direct Assistance	Conservation	Administration	Lifeline	Total WRAP Allocation
Area 1 - City of Detroit	\$ -	\$ -	\$ -	\$ 3,573,400	\$ 3,573,400
Local	-	-	-	2,249,500	2,249,500
Regional	-	-	-	1,323,900	1,323,900
Area 2 - City of Flint	37,264	9,316	8,220		54,800
Regional	37,264	9,316	8,220		54,800
Area 3 - Wayne (Not Including Detroit), Washtenaw, Monroe Counties	827,016	206,754	182,430		1,216,200
Regional	827,016	206,754	182,430		1,216,200
Area 4 - Oakland County	684,148	171,037	150,915		1,006,100
Regional	684,148	171,037	150,915		1,006,100
Area 5 - Macomb, St. Clair, Lapeer Counties	539,220	130,720	147,060		817,000
Regional	539,220	130,720	147,060		817,000
Grand Total	\$ 2,087,648	\$ 517,827	\$ 488,625	\$ 3,573,400	\$ 6,667,500

Related to Table 3, the GLWA Board of Directors approved the budget on February 28, 2024. The WRAP calculation was an estimate at the time. An FY 2025 first-quarter budget amendment will be proposed to align the WRAP budget with the above calculation.

Revenue Budget Approved	Water	Sewer	Total
Charges Revenue (All Sources)	\$ 374,852,800	\$ 507,596,100	\$ 882,448,900
Other	400,000	700,000	1,100,000
Total Regional Operating Revenue	\$ 375,252,800	\$ 508,296,100	\$ 883,548,900
Regional WRAP Contribution at 0.5%	\$ 1,876,500	\$ 2,541,500	\$ 4,418,000
Note: Budget Calculation Recap vs Approved Budget			
Per Approved Budget Document	1,947,800	2,651,700	4,599,500
FY 2025 Quarter 1 Budget Amendment	\$ (71,300)	\$ (110,200)	\$ (181,500)

Related to Table 4, the “Revenue Requirement” is the estimated annual charge to each Member Partner community. The relative weight of the pro-rata water and sewer charges form the basis for the allocation of WRAP funding among the service delivery areas.

Service Area	Water Revenue Requirement	Sewer Revenue Requirement	Water System WRAP	Sewer System WRAP	Total Regional WRAP	Total Regional WRAP Percentage Allocation
Area 1 - City of Detroit	\$ 46,937,100	\$ 211,440,200	\$ 234,900	\$ 1,089,000	\$ 1,323,900	30.0%
Detroit	46,937,100	211,440,200	234,900	1,089,000	1,323,900	30.0%
Area 2 - City of Flint	10,954,400		54,800	-	54,800	1.2%
Genesee	10,954,400		54,800	-	54,800	1.2%
Area 3 - Wayne (Not Including Detroit), Washtenaw, Monroe Counties	144,080,800	96,042,900	721,300	494,900	1,216,200	27.5%
Monroe	27,094,700		135,600	-	135,600	3.1%
Washtenaw	11,214,900		56,100	-	56,100	1.3%
Wayne	105,771,200	96,042,900	529,600	494,900	1,024,500	23.2%
Area 4 - Oakland County	82,464,600	115,185,720	412,900	593,200	1,006,100	22.8%
Oakland	82,464,600	115,185,720	412,900	593,200	1,006,100	22.8%
Area 5 - Macomb, St. Clair, Lapeer Counties	90,413,400	70,773,080	452,600	364,400	817,000	18.5%
Lapeer	6,077,300		30,500	-	30,500	0.7%
Macomb	81,689,100	70,773,080	408,800	364,400	773,200	17.5%
St. Clair	2,647,000		13,300	-	13,300	0.3%
Grand Total	\$ 374,850,300	\$ 493,441,900	\$ 1,876,500	\$ 2,541,500	\$ 4,418,000	100.0%



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

From: Matthew S. Lane, MPA, Charges Outreach and Modeling Manager

Re: Water and Wastewater Charges Consultant Contract Award – Willdan Financial Services

Background & Analysis: See attached draft Great Lakes Water Authority (“GLWA”) Board letter related to proposed Contract No. 2300826 effective September 1, 2024 with Willdan Financial Services for Water and Wastewater Service Charges Consultant Services.

Proposed Action: The Audit Committee recommends that the Board of Directors of the Great Lakes Water Authority authorizes the Chief Executive Officer (CEO) to enter into Contract No. 2300826 effective September 1, 2024 with Willdan Financial Services for Water and Wastewater Service Charges Consultant Services for a cost not to exceed \$1,749,250 for an initial term of three (3) years with two optional one-year extensions of \$599,810 for year four and \$630,080 for year five; and authorizes the CEO to take such action as may be necessary.

..Title

Contract No. 2300826 effective September 1, 2024 with Willdan Financial Services for Water and Wastewater Service Charges Consultant Services for a cost not to exceed \$1,749,250 for an initial term of three (3) years with two optional one-year extensions of \$599,810 for year four and \$630,080 for year five.

..Body

Agenda of: August 28, 2024

Item No.: **2024-264**

Amount: \$2,979,140

TO: The Honorable
Board of Directors
Great Lakes Water Authority

FROM: Suzanne R. Coffey, P.E.
Chief Executive Officer
Great Lakes Water Authority

DATE: August 23, 2024

RE: Contract No. 2300826 effective September 1, 2024 with Willdan Financial Services for Water and Wastewater Service Charges Consultant Services for a cost not to exceed \$1,749,250 for an initial term of three (3) years with two optional one-year extensions of \$599,810 for year four and \$630,080 for year five.

MOTION

Upon recommendation of Nicolette Bateson, Chief Financial Officer & Treasurer, Board of Directors of the Great Lakes Water Authority authorizes the Chief Executive Officer (CEO) to **enter into Contract No. 2300826 effective September 1, 2024 with Willdan Financial Services for Water and Wastewater Service Charges Consultant Services for a cost not to exceed \$1,749,250 for an initial term of three (3) years with two optional one-year extensions of \$599,810 for year four and \$630,080 for year five;** and authorizes the CEO to take such action as may be necessary to accomplish the intent of this vote.

BACKGROUND

GLWA has conducted a competitive request for proposal (RFP) process to identify a firm to perform the annual water and wastewater cost of service study and related consulting support services. GLWA received proposals from three firms. All firms met the minimum requirements set forth in the solicitation documents. A cross-functional committee of evaluators and advisors was convened to review and score the proposals. The committee consisted of GLWA team members as well as member partner representatives from communities in Wayne, Oakland and Macomb Counties as well as the City of Detroit. Willdan Financial Services received the highest qualitative score of all three firms and is recommended by the scoring committee based on their written proposal and two oral interviews. A negotiation session related to fees was conducted by GLWA team members and a representative of the member partner community.

JUSTIFICATION

The annual cost of service study is a critical path item in the annual financial planning process and serves as GLWA's primary mechanism for establishing the annual proposed schedule of charges. Revenue from service charges makes up roughly 97% of the required funding for operations, capital expenditures and debt service for the utility. Willdan Financial Services has the requisite experience and expertise required to complete this crucial service in addition to any related consulting services necessary to execute the strategic financial goals of the utility. Willdan also has the charge-setting methodology expertise to support the collaboration between GLWA and its member partners.

FINANCIAL PLAN IMPACT

The proposed contract encompasses both water and wastewater charges. The value of the proposed contract exceeds the current financial plan in total. When this occurs, a budget amendment is required first by offsetting positive variances and other cost categories and finally by use of unallocated reserves.

The proposed contract with Willdan Financial Services is an operational expense and is budgeted in the Financial Management and Planning Group in the Financial Services Area. See attached table for more information related to the proposed fee structure.

Cost Centers: 884113 – Financial Management & Planning

Expense Types: Contractual Professional Services

Estimated Costs by Year and Related Estimated Total Variance:

Fiscal Year

FY 2025 Adopted Budget	\$ 117,400
FY 2026 Adopted Budget	272,700
FY 2027 Financial Plan	278,200
FY 2028 Financial Plan	283,800
FY 2029 Financial Plan	289,500

Subsequent Years (Past Current Plan)	<u>TBD</u>
Total Financial Plan	\$ 1,241,600
Not-to-exceed Contract thru FY 2029	<u>2,979,140</u>
Variance	<u>(\$1,737,540)</u>

Sufficient funds are provided in the financial plan for this contract to begin September 1, 2024. It was expected that there would be a need for a budget amendment in FY 2025 to cover the transition efforts in the first year of the contract. The actual amount was pending the results of the solicitation process.

The estimated cost in the first year is \$661,830. GLWA is anticipating a robust transition period for the new consulting firm. For this reason, the budget analysis assumes 2,200 hours of general consulting services in year one of the contract with a reduction in subsequent years to 1,800 hours.

The FY 2025 requested budget amendment will be \$544,430 (\$661,830 less \$117,400).

COMMITTEE REVIEW

This matter was reviewed by the GLWA Audit Committee at its meeting on August 23, 2024. The Audit Committee *[insert action]* that the Board of Directors of the Great Lakes Water Authority authorizes the Chief Executive Officer (CEO) to enter into Contract No. 2300826 effective September 1, 2024 with Willdan Financial Services for Water and Wastewater Service Charges Consultant Services for a cost not to exceed \$1,749,250 for an initial term of three (3) years with two optional one-year extensions of \$599,810 for year four and \$630,080 for year five.

SHARED SERVICES IMPACT

This item does not impact the shared services agreement between GLWA and DWSD.

**Proposed Contract No. 2300826 effective September 1, 2024
with Willdan Financial Services for Water and Wastewater Service Charges Consultant Services**

Estimated Cost by Contract Term

	Initial Term				Optional Renewal 1	Optional Renewal 2	5-Year Not-To-Exceed Cost
	Year 1	Year 2	Year 3	3-Year Total			
General Consulting (Hourly Not-to-Exceed)	511,830	418,710	418,710	<i>1,349,250</i>	459,810	485,080	2,294,140
Cost of Service - Lump Sum	100,000	72,500	77,500	<i>250,000</i>	90,000	95,000	435,000
Reimursable Expenses	50,000	50,000	50,000	<i>150,000</i>	50,000	50,000	250,000
Total Estimated Cost	661,830	541,210	546,210	<i>1,749,250</i>	599,810	630,080	<i>2,979,140</i>



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

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

Re: Proposed Finance Operations Support Contract with Slalom

Background & Analysis: See attached draft Great Lakes Water Authority (“GLWA”) Board letter related to proposed Contract No. [TBD] effective September 1, 2024 with Slalom in an amount not to exceed \$1,000,000 for finance operations assistance for one year.

Proposed Action: The Audit Committee recommends that the Board of Directors of the Great Lakes Water Authority authorizes the Chief Executive Officer (CEO) to enter into Contract No. [TBD] effective September 1, 2024 with Slalom for finance operations assistance for a cost not to exceed \$1,000,000 for one year; and authorizes the CEO to take such action as may be necessary.

..Title

Contract No. [TBD] effective September 1, 2024 with Slalom for Finance Operations Assistance for a cost not to exceed \$1,000,00 for one year.

..Body

Agenda of: August 28, 2024

Item No.: **2024-265**

Amount: \$1,000,000

TO: The Honorable
Board of Directors
Great Lakes Water Authority

FROM: Suzanne R. Coffey, P.E.
Chief Executive Officer
Great Lakes Water Authority

DATE: August 23, 2024

RE: Contract No. [TBD] effective September 1, 2024 with Slalom for Finance Operations Assistance for a cost not to exceed \$1,000,00 for one year.

MOTION

Upon recommendation of Nicolette Bateson, Chief Financial Officer & Treasurer, Board of Directors of the Great Lakes Water Authority authorizes the Chief Executive Officer (CEO) to **enter into Contract No. [TBD] effective September 1, 2024 with Slalom for Finance Operations Assistance for a cost not to exceed \$1,000,00 for one year;** and authorizes the CEO to take such action as may be necessary to accomplish the intent of this vote.

BACKGROUND

GLWA has successfully launched Workday as its ERP. The companion effort to that launch is the now the intensive effort to rollout Workday Adaptive Planning (formerly known as Adaptive Insights). This effort will directly source data from the general ledger with added analytical and reporting capacity to replace many individual Excel, Word, PDF and other files to create the annual budget document, annual comprehensive financial

report and eventually in-source the cost of service study. In addition, the organization's ability to perform advanced analysis and performance indicators will be significantly enhanced. The flexibility of Workday and Workday Adaptive brings significant opportunities, but is one that also requires coordination and governance to successfully deploy. This is occurring at a time where there is significant concern related to staff burnout from multiple years of the ERP and enterprise asset management (EAM) implementations. The project management information system (PMIS) launch is expected to ramp up in the near term.

JUSTIFICATION

For the reasons outlined above, a proposal was obtained from Slalom (attached) to support finance operations to achieve success in the deployment of Workday Adaptive Planning, support the many post-implementation tasks of Workday, manage multiple competing priorities of EAM and PMIS, and to manage strained resources while the day-to-day work and deadlines are met. Slalom provides personnel who have been working with the GLWA team during the course of the implementation and have a first-hand working knowledge of our organization and people. Slalom's performance has been excellent and are positioned to support our team members in an effective manner.

FINANCIAL PLAN IMPACT

The proposed contract is an operational expense of the Chief Financial Officer & Treasurers budget in the Financial Services Area. A budget amendment will be prepared for an amount less than the proposed contract award with a primary offset in a vacant leadership position in the Financial Management & Planning Area (cost center 884113).

Cost Centers: 884001 – Chief Financial Officer

Expense Types: Contractual Professional Services

Estimated Costs by Year and Related Estimated Total Variance:

Proposed Budget by Fiscal Year

FY 2025	\$ 756,000
FY 2026	<u>244,000</u>
Not-to-exceed Contract	<u>\$ 1,000,000</u>

COMMITTEE REVIEW

This matter was reviewed by the GLWA Audit Committee at its meeting on August 23, 2024. The Audit Committee *[insert action]* that the Board of Directors of the Great Lakes Water Authority authorizes the Chief Executive Officer (CEO) to enter into Contract No. [TBD] effective September 1, 2024 with Slalom for Finance Operations Assistance for a cost not to exceed \$1,000,00 for one year.

SHARED SERVICES IMPACT

This item does not impact the shared services agreement between GLWA and DWSD.

Finance Operations Assistance



8/16/2024 | Great Lakes Water Authority

Understanding of Business Need:

Great Lakes Water Authority (GLWA) is in the midst of deploying a new EAM system and is planning for a new PMIS system after having just completed an ERP implementation within their organization. Currently, GLWA's resources are constrained, particularly in the Financial Services Area, and they require support. The aim is to provide assistance in navigating and documenting the inter-group impacts to prevent silos and unintended consequences in other departments, ensuring that the finance teams' requirements are met without disrupting other areas. Additionally, GLWA needs to align with the newly implemented Adaptive system. This initiative will enhance the team's ability to communicate its value to stakeholders and interact more effectively with business partners. We suggest a proactive approach to collaborate with the Finance teams to manage their workload and anticipate future demands. Our assistance will focus on providing both technical and organizational expertise in the execution of GLWA's goals.



HOW

Slalom proposes an execution team with Chief of Staff and Business Analyst skillsets to collaborate with key stakeholders to understand and leverage their skills to offset the limited resource capacity. The emphasis will be on aligning technical needs and requirements with the specific needs of the Financial Services area. By implementing the CFO's strategic vision, the team will guide best practices, offer dedicated support to safeguard the interests of the financial teams, and foster consensus and alignment with those objectives; it will also drive consistent and coordinated delivery with the ability to adapt as needed - both for project goals and for holistic support of GLWA teams.

WHAT

- Champion and socialize as necessary for the teams, acting as a liaison to translate technical needs and ensure that requirements reflect the unique needs of the Financial Services Team
- Implement the CFO's strategic vision by guiding best practices, providing dedicated support to protect financial team interests, and building consensus and alignment to support those goals
- Seek to elevate continuous improvement opportunities; identify communication and change management opportunities
- Provide high-level insight into how people are impacted by the change, with relation to the processes being documented

OUTCOME

- Improved knowledge transfer for new hires
- Single source of truth to ensure internal alignment
- Improve ability to support people through change
- Consistent and coordinated delivery, with the flexibility to adjust as necessary to meet project objectives and provide comprehensive support to GLWA teams

Slalom Chief of Staff	Slalom Business Analyst	Program Management Connect
<ul style="list-style-type: none"> • Assist with increasing collaboration and trust amongst team members and alignment to a common vision • Coordinate staff meetings and follow up (e.g. agenda, action owners, due dates, impacts of non action) • Align with Client leadership on expected engagement outcomes • Analyze, plan and execute key people-related initiatives, as needed • Serve as sounding board to the Financial Directors – communicating relevant ideas, opportunities and concerns to the leadership team • Stakeholder engagement and communication • Develop and manage executive and organizational-level communications • Promote ongoing alignment across stakeholder groups • Assist with strategic planning to promote alignment of priorities, initiatives, and spend to vision and strategic direction • Prepare and follow up on critical strategic planning sessions • Assist with documenting and aligning strategic objectives to value streams, capabilities or processes 	<ul style="list-style-type: none"> • Work closely with both parties to understand and manage the software development and implementation process. • Communicate risks to key stakeholders, and assist the GLWA team with project management tasks, including training and documentation • Use tracking tools to monitor project progress, identify dependencies, and ensure timely execution • Write and document detailed software requirements to align with client needs and project goals • Represent and facilitate the financial team's interests, ensuring their needs are addressed throughout the project 	<ul style="list-style-type: none"> • Ensure tie-in to ongoing IT activities to avoid silos between Finance and IT • Provide support and best practice guidance to the team • With program office, coordinate portfolio planning within FINs and across other stakeholder groups • Assist and advise on special projects (e.g., work scoping, schedule creation / management, reporting, execution leadership), as needed

ASSUMPTIONS

- Slalom will have access to all needed systems, buildings and networks
- Client resources and subject matter experts will be available as needed
- Activities are based on current high priorities (as identified by GLWA) and are subject to change

SLALOM TEAM

- Engagement Leadership - Jessica Dilworth (PT)
- Chief of Staff - (FT)
- Business Analyst - (FT)

INVESTMENT

- Time & Materials based on proposed rates (shown on page 2)

Finance Operations Assistance



8/16/2024 | Great Lakes Water Authority

Proposed Rate Structure based on Preliminary Scope Discussion:

2024 - August - December

Role	Hourly Rate	Weekly Hours	Total Hours	Total
Engagement Leadership	\$0	4	68	\$0
Program Management Connect (J. Dilworth)	\$284	5	85	\$24,140
Chief of Staff (M. Peurach)	\$228	40	656	\$149,568
Business Analyst	\$216	40	656	\$141,696
				\$315,404

2025* - January - August

Role	Hourly Rate	Weekly Hours	Total Hours	Total
Engagement Leadership	\$0	4	136	\$0
Program Management Connect (J. Dilworth)	\$293	5	170	\$49,810
Chief of Staff (M. Peurach)	\$235	40	1360	\$319,600
Business Analyst	\$222	40	1360	\$301,920
	3% increase			\$671,330

Total Estimated Cost:
\$986,734

*Consistent with rates from Oct. 2022 engagement



Jessica Dilworth

Senior Consultant Delivery Leadership

Jessica is a senior consultant with Slalom's Delivery Leadership focused on Project, Program, Portfolio management, and team coaching. She specializes in leading project teams in optimizing processes and ensuring projects are executed efficiently and on time. As a talented communicator and presenter, Jessica has a demonstrated history of fostering a collaborative and safe environment for high-performing teams, identifying process inefficiencies and driving continuous improvement, and building trust and engagement through various groups and levels of an organization.

RELEVANT EXPERIENCE

Portfolio Manager

Managed multiple portfolios within various industries to meet organizational goals and objectives. Worked with Stakeholders to enable decision-making, provide visibility, align across executive management, prioritize, monitor, and track within each portfolio while maximizing the value created by implementing and managing an optimal mix of investments that balance risk and return.

Project Manager

Managed multiple projects within countless industries. Focused on planning and leading execution of all aspects of each project including scheduling, resources, scope, budget, risks/issues, and communication and change management.

Program Manager

Led one or more programs within multiple organizations across a multitude of industries. Managed escalations such as risks, issues and decisions. Planned, budgeted, oversaw program activities, and documented all aspects of the programs. Including ensuring the projects within the program align and benefit the overall business/strategic goals, while providing guidance and leadership to the project managers/work stream leads and stakeholders.

Implementation Project Manager

Managed Enterprise Resource Planning (ERP) & Electronic Health Record (EHR) system implementations utilizing industry best practices and a mix of waterfall and agile project management methodologies across many industries.

SKILLS

- Risk, Resource, Requirements, Scope and Stakeholder Management
- Lean Portfolio Management
- Speaking and Workshops
- Business Case Development
- Process Measurement & Management
- Negotiation & Contract Management
- Monitoring & Coordination
- Communication & Conflict Management

INDUSTRIES

- Utilities
- Manufacturing
- Public and Social Impact
- Life Sciences
- Resources
- Retail and Consumer Goods
- Financial Services

CERTIFICATIONS

- SAFe Certified Agilist (SA)
- SAFe LPM
- PMP
- PSM I





Megan Peurach

Consultant, Solution Owner Delivery Leadership

Megan is a Solution Owner with Slalom's Detroit Delivery Leadership practice. She is experienced in Business Analysis, Agile Coaching, and Product Management. She has a Scrum Master certification (CSM) that enables her to be more effective in agile delivery.

Megan wears many hats and does what's needed to get a product across the finish line while putting an emphasis on client satisfaction. She is always eager to work in new areas and expand her skillset.

RELEVANT EXPERIENCE

Solution Owner, Workday Implementation

Provided support and facilitation during Workday implementation, focusing on Financial Accounting and Reporting teams under the oversight of the financial Director. Duties included coordination of internal and contractor teams, development of business processes and training, as well as reporting and data validation efforts. Prepared and maintained robust communications on status, progress, and risks at the executive level to the CFO.

Solution Owner/Business Analyst, Storm Digitization and Automation

Co-owned the backlog for any given initiative, ensuring the stories were ready for planning. Lead agile ceremonies; backlog refinement, sprint retrospective, and daily stand ups. Facilitator and coordinator of team meetings. Supported analysis of current state processes, experiences and data to lead the team in a solution for future state development. Synthesize current state inputs into weekly summary findings for both the client and development team.

Business Analyst, ApexHealth

Assisted in understanding business needs, managed backlog items and as one of the solution owners with agile pod delivery that enabled the client to integrate their data with several healthcare vendors and rearchitecting their data warehouse structure.

Business Analyst/Product Owner, Document Management System

Single handedly managed the application development teams backlog, ran all agile ceremonies, and worked with the Product manager to determine the priority. Worked closely with stakeholders to obtain feedback and align on priorities. Was an advocator for team health and collaboration.

SKILLS

- Agile Methodologies
- Scrum
- Business Analysis
- Team Building
- Release Management
- Backlog Management
- Communication

INDUSTRIES

- Utilities
- Health
- Mortgage

CERTIFICATIONS

- Scrum Master Certification (CSM)



Caitlin Orlando

Consultant Delivery Leadership

Caitlin Orlando is a Solution Owner within Slalom's Detroit Delivery Leadership practice. She has experience working on agile delivery teams with varying roles; business analyst, project management, scrum master, and agile coach. She has also served as team leader with the primary goal of building teams skill sets. Caitlin has a passion for collaboration and team health (at the team and team member level) with a focus on clear communication, quality and doing what is best for her client.

RELEVANT EXPERIENCE

Utilities Distribution Operation IT Delivery Lead/Project Manager

Managed and drove delivery of projects and business cases. I led business analysts in development of project requirements, advocating for client needs/desires both with vendors and internal teams and building a strong relations between the business and IT. In addition, I would drive client vision with the project team by creating and maintaining project timelines, team backlogs and facilitated project ceremonies through the delivery lifecycle to mitigate risk and promote healthy progress.

API product group: Scrum Master, Business Analyst, and Agile Coach

Established an agile way of working for a backend API development group, comprised of Slalom and Client team members. I worked with the team to improve their ways of working as a unit to increase team velocity, streamline communication, and improve the over all team relationship. I was able assist them in building and organizing a project backlog with achievable milestones and lead the team through feature delivery while coaching members through best practices and any roadblocks they experienced.

Automotive EV Fleet Data-Visualization : Business Analyst/Scrum Master -

Managed a data-visualization team comprised of both client and Slalom team members. The goal was to increase team velocity and mend the client relationship. This was accomplished through organizing the existing backlog, coaching the team through efficient agile ways of working, and creating a team communication contract. Worked very closely with the product owners and product manager to ensure that team growth and project work was becoming more stable and on track for agreed upon deadlines; all while protecting the team's work/life balance.

Automotive Web App: Solution Owner, Scrum Master, Business Analyst, Manual QA

Managed a web-based delivery team as a scrum master, business analyst, QA and project manager. This team's work stretched across multiple business paths, which required managing/forecasting project roadmaps between multiple client product owners to ensure priority and scope are consistently aligned.

Marketing: Business Analyst/Project Manager

Worked with primary business partners, outside business partners, vendors, and enterprise security teams to maintain and enhance company websites and custom marketing suite. Ran scrum ceremonies, scrum of scrums, and executive summary readouts. Worked closely with technical writers and training teams to create and facilitate training required for product releases and site enhancements. Collaborated with application monitoring teams to performance/load test and monitoring site up-time during Super Bowl events.

SKILLS

- Agile Methodologies
- Solution Owner
- Business and Technical Requirements
- User experience mapping
- Backlog Management
- Scrum facilitation
- Agile Coaching
- Product Forecasting
- User analytics
- Technical Delivery
- Team Building

INDUSTRIES

- Financial Services
- Marketing
- Technology
- Automotive
- Utilities



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

From: Steve Hoover, CPA, Financial Reporting Manager

Re: Annual Financial Audit Update

Background: Annually, the Great Lakes Water Authority (GLWA) prepares an Annual Comprehensive Financial Report (ACFR) and Schedule of Expenditures of Federal Awards (SEFA) in accordance with financial accounting standards and federal guidelines. Baker Tilly US, LLP (Baker Tilly) has been engaged to perform the GLWA annual financial audit and issue an opinion as to whether the financial statements are fairly stated in accordance with accounting standards for fiscal years ending 2022, 2023 and 2024.

Analysis: GLWA Financial Services area is very busy working to wrap up a preliminary year-end close for the June 2024 period and preparing for the annual audit. Preparation for the annual audit includes general ledger review, journal entry adjustments, preliminary fieldwork audit requests and year end workpaper (YEW) preparation.

Baker Tilly is scheduled to conduct preliminary fieldwork September 3, 2024 through September 6, 2024. Fieldwork is scheduled to begin Monday, September 30, 2024 and run through Friday, October 11, 2024. This phase of the audit consists of testing transactions, reviewing support, analytics, and related activities.

Report preparation continues after fieldwork with the final reports scheduled to be presented to the Audit Committee and Board of Directors in December.

Proposed Action: Receive and file this report.



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

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

Re: Government Finance Officers Association Certificate of Achievement for Excellence in Financial Reporting Award – FY 2023 Financial Reporting

Background: The Financial Services Area prepares an Annual Comprehensive Financial Report. That document, representative of the GLWA's commitment to transparency and professionalism is submitted to the Government Finance Officers Association for Distinguished Budget Presentation Award consideration.

Analysis: The GLWA was recently notified that, for the fifth year in a row, the Government Finance Officers Association (GFOA) has awarded the Certificate of Achievement for Excellence in Financial Reporting for our Fiscal Year 2023 ACFR.

The GFOA established the Certificate of Achievement for Excellence in Financial Reporting Program (COA) to encourage and assist state and local governments to go beyond the minimum requirements of generally accepted accounting principles to prepare annual comprehensive financial reports that evidence the spirit of transparency and full disclosure and then to recognize individual governments that succeed in achieving that goal. The goal of the program is not to assess the financial health of participating governments, but rather to ensure that users of their financial statements have the information they need to do so themselves.

This successful submittal would not have occurred without the leadership and commitment all Financial Services Area Team members – as well as our colleagues across GLWA who support strong financial controls and a commitment to accuracy and integrity.

The successful submittal to GFOA is the result of strong leadership and technical expertise. Thank you to Jill Kusters, Steve Hoover, Scott Juryn, Kim Garland, and Cindy Cezat for supporting our team's success.

Proposed Action: Receive and file this report.



Government Finance Officers Association

Certificate of
Achievement
for Excellence
in Financial
Reporting

Presented to

**Great Lakes Water Authority
Michigan**

For its Annual Comprehensive
Financial Report
For the Fiscal Year Ended

June 30, 2023

Christopher P. Morill

Executive Director/CEO



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

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

Re: Government Finance Officers Association Distinguished Budget Presentation Award

Background: The Financial Services Area, in conjunction with all areas of the Great Lakes Water Authority (GLWA), prepares an annual biennial budget within a five-year financial plan. That document, representative of the GLWA's commitment to transparency and professionalism is submitted to the Government Finance Officers Association for Distinguished Budget Presentation Award consideration.

Analysis: The GLWA was recently notified that, for the sixth year in a row, GLWA has been recognized with the Government Finance Officers Association (GFOA) Distinguished Budget Presentation Award. The award represents a significant achievement by GLWA, reflecting the commitment of the governing body and staff to meet the highest standards of governmental budgeting. To receive the budget award, GLWA had to satisfy nationally recognized guidelines for effective budget presentation. These guidelines are designed to assess how well an entity's budget serves as:

- a policy document
- a financial plan
- an operations guide
- a communications device

Budget documents must be rated "proficient" in all four categories, and in the fourteen mandatory criteria within those categories, to receive the award.

New this year, in addition to receiving the award, GLWA's budget document received special recognition in the following categories:

- Performance measures
- Long-range operating financial plans
- Strategic goals & strategies

These three areas of recognition underscore the alignment of financial, operational, capital, and administrative teams across GLWA.

This successful submittal would not have occurred without the leadership and commitment of a core group of GLWA Team members: Lisa Mancini, David Slowik, Cindy Cezat, Phyllis

Walsh, Robert Arbaugh, Laurie Echols, Katrina Ingram, Ben Keller, Jay Oswald, Michael Stark, Sam Williams, and Michelle Wong.

Proposed Action: Receive and file this report.



Government Finance Officers Association
203 North LaSalle Street, Suite 2700
Chicago, Illinois 60601-1210
312.977.9700 fax: 312.977.4806

July 09, 2024

Nicolette Bateson
Chief Financial Officer & Treasurer
Great Lakes Water Authority, Michigan

Dear Nicolette:

A panel of independent reviewers have completed their examination of your Biennial budget document for the period beginning July 2024. We are pleased to inform you that your budget document has been awarded the Distinguished Budget Presentation Award from Government Finance Officers Association (GFOA). This award is the highest form of recognition in governmental budgeting. Its attainment represents a significant achievement by your organization. In addition to receiving the award, your entity's budget received the following special recognition:

Performance measures

Long-range operating financial plans

Strategic goals & strategies

Special recognition is given when all three reviewers give the highest possible score in particular categories.

Your Distinguished Budget Presentation Award is valid for two years. To continue your participation in the program, it will be necessary to submit your next budget document to GFOA within 90 days of the proposed budget's submission to the legislature or within 90 days of the budget's final adoption.

Your electronic award package contains the following:

- **Scores and Comments.** Each entity submitting a budget to the program is provided with reviewers' scores for each of the categories on which the budget document was judged along with reviewers' confidential comments and suggestions for possible improvements to the budget document. We urge you to carefully consider these suggestions as you prepare your next budget.
- **Budget Award.** A camera-ready reproduction of the Award is included for inclusion in your next budget. If you reproduce the camera-ready image in your next budget, it should be accompanied by a statement indicating continued compliance with program criteria. Please refer to the instructions for reproducing your Award in your next budget (also included in your award package).
- **Certificate of Recognition.** When a Distinguished Budget Presentation Award is granted to an entity, a Certificate of Recognition for Budget Presentation is also presented to the individual(s) or department designated as being primarily responsible for its having achieved the award.
- **Sample press release.** Attaining this Award is a significant accomplishment. The sample press release may be used to give appropriate publicity to this notable achievement.

In addition, award recipients will receive via mail either a plaque (if the government is a first-time recipient or has received the Award fifteen times since it received its last plaque) or a brass medallion to affix to the plaque.

We appreciate your participation in this program, and we sincerely hope that your example will encourage others in their efforts to achieve and maintain excellence in governmental budgeting. The most current list of award recipients can be found on GFOA's website at www.gfoa.org. If we can be of further assistance, please contact the Awards Programs staff at (312) 977-9700.

Sincerely,

A handwritten signature in black ink that reads "Michele Mark Levine". The signature is written in a cursive, flowing style.

Michele Mark Levine
Director, Technical Services Center



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

**Great Lakes Water Authority
Michigan**

For the Biennium Beginning

July 01, 2024

Christopher P. Morill

Executive Director



Government Finance Officers Association

Certificate of
Achievement
for Excellence
in Financial
Reporting

Presented to

**Great Lakes Water Authority
Michigan**

For its Annual Comprehensive
Financial Report
For the Fiscal Year Ended

June 30, 2023

Christopher P. Morill

Executive Director/CEO



GOVERNMENT FINANCE OFFICERS ASSOCIATION
NEWS RELEASE

FOR IMMEDIATE RELEASE

7/9/2024

For more information, contact:
Technical Services Center
Phone: (312) 977-9700
Email: budgetaward@gfoa.org

(Chicago, Illinois)—Government Finance Officers Association is pleased to announce that **Great Lakes Water Authority, Michigan** received GFOA's Distinguished Budget Presentation Award for its budget.

The award represents a significant achievement by the entity. It reflects the commitment of the governing body and staff to meeting the highest principles of governmental budgeting. In order to receive the budget award, the entity had to satisfy nationally recognized guidelines for effective budget presentation. These guidelines are designed to assess how well an entity's budget serves as:

- a policy document
- a financial plan
- an operations guide
- a communications device

Budget documents must be rated "proficient" in all four categories, and in the fourteen mandatory criteria within those categories, to receive the award.

There are over 1,700 participants in the Budget Awards Program. The most recent Budget Award recipients, along with their corresponding budget documents, are posted quarterly on GFOA's website. Award recipients have pioneered efforts to improve the quality of budgeting and provide an excellent example for other governments throughout North America.

Government Finance Officers Association (GFOA) advances excellence in government finance by providing best practices, professional development, resources, and practical research for more than 22,500 members and the communities they serve.



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

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

Re: CFO Update

Workday FINS Launch on July 1, 2024

Clearly the headline for this month is the successful launch of the new financial system on July 1, 2024. Many, many thanks are due to our colleagues in the Information Technology Group as well as the teams of implementation consultants that helped to make that happen. This effort showed the strength of our teams and a high level of personal and professional growth of our team members. Below are additional comments from Financial Services Area leadership Team Members.

Sonya Collins, Procurement Director

The Procurement Team diligently worked to implement a seamless transition from BS&A to Workday. Special thanks to the GLWA Procurement Managers and Management Professionals who dedicated time and effort in designing the procurement module to meet the needs of GLWA. This was truly a team effort.

Kim Garland, Deputy Chief Financial Officer

The team members of the CFO Services Group engaged on this project at all levels, and we so appreciate their efforts!

- Thank you to **Michelle Burt, Pam Fladger and Knyiesha Scott** for their efforts implementing the Workday Customer Accounts system which now offers such positive enhancements as invoice numbers and customer statements. We especially appreciate their work in processing nearly \$20 million in Member Partner credits as part of their inaugural billings in the new system.
- Thank you to **Alica Schwartz, Jackie Morgan, Greg Bolterman, Francine Duncan-Martin, Regina Washington, Ed Vanneste, Nick Simms and Sierra Robinson** for building new processes for Grant and State Revolving Fund (SRF) accounting and reporting using the new Workday Grants system that will significantly improve and enhance our reporting capabilities in these areas.
- Thank you to **Nick Fedewa, Connie Delling and Sandy Chen** for their ongoing efforts to transform the Monthly Financial Report, Trust Report and Interlocal Agreement accounting into more efficient and effective process in Workday.

Jill Kusters, Financial Reporting & Accounting Director

I want to extend my heartfelt appreciation to the entire Financial Reporting & Accounting Group for the remarkable effort that went into the successful launch of Workday. What makes this achievement even more impressive is that the Group managed to contribute significantly to this project while continuing to excel in their everyday responsibilities. Balancing a major project with daily duties is no easy task. Their hard work has not only led to a successful application launch but also ensured our daily operations remained strong.

This dual effort deserves special recognition

- ***Steve Hoover, Financial Reporting Manager and the Financial Reporting Team*** - Balancing the demand of developing a financial data model for Workday, translating and communicating BS&A general ledger strings into Workday “worktags” and the integrations of multiple ancillary applications while producing monthly financial statements *and* managing the FY23 and FY24 audits is no small feat. Your commitment to both tasks ensured that nothing fell through the cracks.
- ***Dionna Wilson, Accounts Payable Manager and the Accounts Payable Team*** - While creating and configuring next level business expense employee reimbursement processes that allow for electronic deposits, accounts payable invoicing processes and settlement integrations, you maintained an average supplier days to payment of 34 days for FY2024! Your ability to manage resources, timelines and communication across the team made this success possible.
- ***Jennie Eddie, Construction Accounting Manager and the Construction Accounting Team***. Your outstanding work in developing “New to GLWA” CIP project accounting configuration, features and business processes in Workday represents a major step forward in how we manage and analyze our data. This not only meets our current needs but was also designed with future integration with the PMIS system in mind.
- ***Judi Cook, Treasury Accounting Manager and the Treasury Accounting Team***. Working closely with the Treasury team, you ensured the new configuration was seamlessly integrated into our existing systems with minimal disruption, all the while continuing to manage the critical task of tracking cash and payments,

Thank you for all your hard work, passion, and teamwork. The success of this launch is a testament to what we can achieve together!

Lisa Mancini, Financial Services Area Chief of Staff

The efforts of the cross functional GLWA teams who have been working together in a collaborative manner to configure and test Workday, review business processes, create reports, and validate data has been and continues to be truly appreciated! As refinements continue to be made within the Workday application, an intensive effort is underway to rollout Workday Adaptive Planning. This application will be used to prepare the budget, long term forecast, and scenario planning. In addition, Adaptive Planning will directly source data from the general ledger and other areas of Workday and, along with added analytical and reporting capacity of Office Connect, will replace many individual Excel, Word, PDF, and other files to create reports such as the annual budget document, monthly financial report binder, and eventually in-source the cost of service study.

I would like to recognize the following members of the Financial Planning & Analysis team for their ongoing efforts to implement Adaptive Planning: **David Slowik, Ben Keller, Jay Oswalt, Katrina Ingram, Laurie Echols, Michael Stark, Michelle Wong, Robert Arbaugh, and Samoht Williams**. I would also like to thank the many, many team members involved in building and testing the reports in Adaptive Planning and Office Connect.

Gerri Williams, Treasury Manager

A loud shout out to **Marwa Abouraya** and **Lauren Baker** for seamless processing of cash transactions to support all of GLWA during the Workday launch. They demonstrated great team work not only with each other but with all members of the Financial Services Area team. They were successful in creating a transparent, trackable cash transfers request process by transitioning the workflow to Workday. Additionally, they continue to be a valuable asset to the PCard process with quick responses and guidance to all team members as they navigate the new expense report activities in Workday.

Other Areas of Change

In addition to the launch of Workday FINS, and the ramp up of Workday Adaptive Planning, FSA leadership team members are navigating operational changes.

Cindy Cezat, Manager Financial Services - Financial Consultant Transition

I have started the modeling of the ten-year forecast using The Foster Group's model as a starting point. Since I am an accountant (Bart was an engineer) as well as my background from both the GLWA and member partner side, you may notice some slight changes in the model from what was previously presented. In planning for staff training and succession, notations are being added throughout the model to identify the source of the data and how the model works.

Matt Lane, Manager, Charges Outreach & Modeling - Charges Consultant Transition

The Charges Outreach & Modeling team has been working closely with The Foster Group (TFG) to transition the cost of service study and charge-setting analytical work. We are working closely with TFG to transfer as much knowledge as possible to internal GLWA

assets. Guy Belew (CO&M Management Professional) and I have two standing meetings with Bart Foster on a weekly basis to discuss on-going transitional projects and scheduling for upcoming items. Part of the success of the transition for our internal team and our charges consultant will rely on our teams understanding of GLWA charge-setting techniques, history and trends. The results of that effort will be a GLWA Charges Manual. These efforts will help us on-board a new consultant that can help GLWA maintain its level of services as we look toward into the future.

Board Workshop on Financial Outlook – October 9, 2024

The kick-off for the next financial planning cycle at the Board of Directors level is with a workshop on October 9, 2024. At that time, we will report out preliminary June 30, 2024 results and review the state of matters that impact the financial plan. One area of concern is water sales volume which had a negative variance of 5.1% for FY 2024 which resulted in a \$7.1 million shortfall. Similarly for FY 2025 through August 14, 2024, we are experiencing a negative variance of 1% in sales volume and a \$1.4 million shortfall.

Vendor Outreach – September 26, 2024

The annual Vendor Outreach is a key opportunity for GLWA team members and the vendor community to connect. We also encourage the vendor community to network with each other. This year's event will feature a general session which includes a panel of vendors who will discuss how they select subcontractors.

Workday Board Letter Updates

Starting August 1, 2024, the Board will begin to see a Workday generated requisition number instead of contract numbers on board letters (ex. REQ-1234567). For change orders/amendments, the Board will see both requisition number and contract number on board letters (ex. REQ-1234567/SCN-1234567).

GLWA Service Sector Connections

I am on the advisory panel for the annual Water Finance Conference at The Water Tower in Atlanta, Georgia. The Water Tower is a center of water innovation and training. This month I spoke at the conference on the topic of regionalization and participated on a panel related to the same topic.

Closer to home, I was on a panel last week at the Integrated Infrastructure Conference in Grand Rapids, Michigan. The topic was *Smarter Rates, Stronger Infrastructure: Developing Rates for Equitable and Efficient Infrastructure Services* and included panelists from both the water and electric utilities.

GLWA

Great Lakes Water Authority



Monthly Financial Report Binder

March 2024

**Presented to the
Great Lakes Water Authority
Audit Committee on August 23, 2024**

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Key Financial Metrics

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

Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Staff reviews the need for budget amendments quarterly and requests necessary amendments when required based on the most current information available. Second quarter budget amendments will be presented to the Board of Directors at the May 22, 2024 meeting and are reflected in this report.

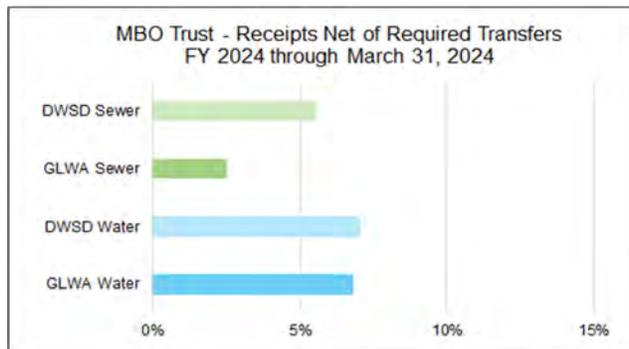
For the current year, water and sewer capital spend and investment earnings reflect variances to budget outside the normal range. Capital spend variances reflect evolving changes in timing that the Capital Improvement Planning group continues to monitor and review. Investment earnings activity is monitored closely and are under review for possible additional budget amendments.

A bond transaction was completed in December 2023 for \$148.5 million to support water system improvements and \$96.8 million to support sewage disposal system improvements.

As of March 31, 2024					
Metric	FY 2024 Budget	FY 2024 Amended Budget	FY 2024 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$258.8	\$254.1	\$254.1	0%	49
Wholesale Water Billed Usage (mcf)	10,062,000	9,546,000	9,589,000	0%	
Wholesale Sewer Billed Revenue (\$M)	\$211.5	\$211.5	\$211.5	0%	51
Wholesale Water Operations & Maintenance (\$M)	\$114.7	\$125.2	\$120.0	-4%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$154.2	\$165.0	\$163.3	-1%	
Investment Income (\$M)	\$11.5	\$34.9	\$43.3	24%	38
Water Prorated Capital Spend w/SRA* (\$M)	\$179.4	\$142.5	\$124.8	-12%	29
Sewer Prorated Capital Spend w/SRA* (\$M)	\$149.3	\$104.9	\$86.4	-18%	30

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

Master Bond Ordinance (MBO) Trust Net Receipts (page 51)



Net cash flow receipts remain positive for GLWA Water and Sewer. This means that all legal commitments of the MBO Trust and the lease payment are fully funded – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water reports a surplus of \$6.7 million and DWSD Sewer reports a surplus of \$12.7 million of net receipts over disbursements through March 2024.

Budget to Actual Analysis (page 3)

- The FY 2024 information includes the proposed second quarter FY 2024 budget amendments pending approval by the GLWA Board of Directors.
- The total Revenue Requirements are on target through March 2024.
- The total overall Operations & Maintenance expenses are at 72.9% of budget through March 2024. This positive variance equates to a dollar amount of \$8.4 million.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for March 2024 is \$66.9 million for the Water fund (24.4% of total revenues) and \$88.5 million for the Sewer fund (24.0 % of total revenues).
- Water Net Position increased by \$ 10.8 million, and Sewage Disposal Net Position increased by \$ 38.3 million for the year to date through March 2024.

Capital Improvement Plan Financial Summary (page 28)

- Water system costs incurred to date are below the 79.4% Capital Spend Ratio assumption.
- Sewer system costs incurred to date are below the 70.3% Capital Spend Ratio assumption.

Master Bond Ordinance Transfers (page 31)

- For March, transfers of \$13.8 million and \$18.7 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for March, transfers of \$5.6 million and \$6.9 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 38)

- Total cash & investments are \$640 million for Water and \$769 million in the Sewer fund.
- Total, combined, cumulative, FY 2024 investment income through March is \$43.3 million.

DWSD Retail Revenues, Receivables & Collections (page 42)

- Water revenue through March 31, 2024 is 104.78% and usage is 104.47% of budget.
- Sewer revenue through March 31, 2024 is 98.43% and usage is 101.16% of budget.
- Combined accounts receivable balances for the water and sewer funds report a decrease of \$10.7 million over the prior year.
- Past dues over 180 days make up of 67.2% the total accounts receivable balance. The current bad debt allowance covers over 98.1% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 48)

- Average wholesale water collections for the period of April 2023 through March 2024 are trending above the prior year.
- Average wholesale sewer collections for the period of April 2023 through March 2024 are trending above the prior year.

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



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

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

The FY 2024 information presented in these sections includes the proposed second quarter FY 2024 budget amendments pending approval by the GLWA Board of Directors.

Revenue Requirements Budget Basis Analysis

GLWA's annual revenue requirements represent 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 expenses are largely reported on an accrual basis. The primary difference between the revenue requirements budget basis to the financial reporting basis is the treatment of debt service, legacy pension obligations, and lease related activities. The Revenue Requirements Basis is foundational to GLWA's daily operations, financial plan, and of most interest to key stakeholders.

Table 1A – Water Revenue Requirements Budget and **Table 1B – Sewer Revenue Requirements Budget** presents a year-over-year budget to actual performance report. The revenue requirements budget is accounted for in the operations and maintenance fund for each system. Since this report is for March 2024, the pro-rata benchmark is 75.0% (9 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, total revenues for FY 2024 are above the pro-rata benchmark; the *water* system is at 76.2% while the *sewer* system is at 77.7%. 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 March 31, 2024, these payments total \$4.9 million for FY 2024.

2. **Investment Earnings:** For both systems, investment earnings are above the pro-rata benchmark for FY 2024; the *water* system is at 94.8% while the *sewer* system is at 99.5%. Detailed analysis of investment earnings activity to date can be found in the *Cash & Investment Income* section of this financial report binder.
3. **Other Revenues:** These are one-time and unusual items that do not fit an established revenue category. Both the *water* and *sewer* systems actual amount will vary from budget due to the nature of the items recorded in this category.
4. **Operations & Maintenance Expense:** Actual expenses¹ for *both* systems are below the pro-rata benchmark for FY 2024 the *water* system is at 71.9% while the *sewer* system O&M expenses is at 73.6%.
5. **Debt Service:** For FY 2024, both systems are slightly above the pro-rata benchmark for debt service; the *water* system is at 75.2% while the *sewer* system is at 75.3%. The activity is based on the payment schedules adjusted for the State Revolving Fund loans that are still being drawn down.
6. **Operating Reserve Deposit:** GLWA has established a target balance in the O&M Fund of 45 days of operating expense which works in tandem with the I&E Funds to provide liquidity to the utility. Funding levels are currently being evaluated to determine if additional transfers to this reserve will be required in FY 2024.
7. **DWSD Budget Shortfall Pending:** To the extent that the local (DWSD) system experiences budgetary shortfalls as defined by the Water & Sewer Services Agreement, the GLWA budget is impacted.² Steps to proactively detect, and ideally prevent, this shortfall scenario were put into place with the 2018 Memorandum of Understanding (dated June 27, 2018). For FY 2023, DWSD ended the year with positive net cash flows for both the DWSD *water* system and the DWSD *sewer* system. For FY 2024, neither the DWSD *water* system nor the DWSD *sewer* system have a budgetary shortfall through March 31, 2024. GLWA and DWSD staff meet regularly to discuss steps to mitigate shortfalls, when they occur, as outlined in the 2018 MOU.
8. **Improvement & Extension (I&E) Fund Transfer Pending:** The contribution to the I&E Fund is for improvements, enlargements, extensions, or betterment of the *water* and *sewer* systems.
9. **Other Revenue Requirements:** The remaining revenue requirements for *both* systems are funded on a 1/12th basis each month in accordance with the Master Bond Ordinance.
10. **Overall:** Total revenue requirements for *both* systems are in line with the benchmark.

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

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

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

	FY 2023 AMENDED BUDGET	FY 2023 ACTIVITY THRU 3/31/2023	Percent Year-to- Date at 3/31/2023	FY 2024 BOARD ADOPTED BUDGET	FY 2024 AMENDED BUDGET	FY 2024 ACTIVITY THRU 3/31/2024	Percent Year-to- Date at 3/31/2024
Water System							
Revenues							
Suburban Wholesale Customer Charges	\$ 333,856	\$ 249,911	74.9%	\$ 340,541	\$ 330,703	\$ 249,453	75.4%
Retail Service Charges	22,834	17,138	75.1%	25,537	25,537	19,153	75.0%
Investment Earnings	9,670	5,350	55.3%	4,062	14,062	13,330	94.8%
Other Revenues	995	978	98.3%	175	858	817	95.2%
Total Revenues	\$ 367,356	\$ 273,377	74.4%	\$ 370,315	\$ 371,160	\$ 282,753	76.2%
Revenue Requirements							
Operations & Maintenance Expense	\$ 156,748	\$ 113,130	72.2%	\$ 152,906	\$ 166,883	\$ 120,025	71.9%
General Retirement System Legacy Pension	6,048	4,536	75.0%	-	-	-	0.0%
Debt Service	150,055	115,113	76.7%	159,483	162,236	121,975	75.2%
General Retirement System Accelerated Pension	6,268	4,701	75.0%	3,396	1,506	1,506	100.0%
Extraordinary Repair & Replacement Deposit	200	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	1,771	1,328	75.0%	1,852	1,852	1,389	75.0%
Regional System Lease	22,500	16,875	75.0%	22,500	22,500	16,875	75.0%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall Pending Improvement & Extension Fund Transfer Pending	-	-	0.0%	-	-	-	0.0%
	23,766	21,348	89.8%	30,178	16,184	16,191	100.0%
Total Revenue Requirements	\$ 367,356	\$ 277,031	75.4%	\$ 370,315	\$ 371,160	\$ 277,961	74.9%
Net Difference		\$ (3,655)				\$ 4,792	
<i>Recap of Net Positive Variance</i>							
		<i>Revenue Variance</i>	\$ (2,140)			\$ 4,383	
		<i>Revenue Requirement Variance</i>	(1,514)			409	
		<i>Overall Variance</i>	\$ (3,655)			\$ 4,792	

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

	FY 2023 AMENDED BUDGET	FY 2023 ACTIVITY THRU 3/31/2023	Percent Year-to- Date at 3/31/2023	FY 2024 BOARD ADOPTED BUDGET	FY 2024 AMENDED BUDGET	FY 2024 ACTIVITY THRU 3/31/2024	Percent Year-to- Date at 3/31/2024
Sewer System							
Revenues							
Suburban Wholesale Customer Charges	\$ 274,907	\$ 206,677	75.2%	\$ 282,688	\$ 267,879	\$ 211,279	78.9%
Retail Service Charges	191,042	143,282	75.0%	196,570	196,570	147,427	75.0%
Industrial Waste Control Charges	8,420	6,278	74.6%	8,584	8,560	6,492	75.8%
Pollutant Surcharges	4,951	3,716	75.1%	5,328	5,328	3,004	56.4%
Investment Earnings	13,532	7,479	55.3%	7,057	17,057	16,972	99.5%
Other Revenues	2,355	2,153	91.4%	400	1,018	549	54.0%
Total Revenues	\$ 495,207	\$ 369,586	74.6%	\$ 500,627	\$ 496,412	\$ 385,724	77.7%
Revenue Requirements							
Operations & Maintenance Expense	\$ 204,123	\$ 148,616	72.8%	\$ 205,644	\$ 222,026	\$ 163,303	73.6%
General Retirement System Legacy Pension	10,824	8,118	75.0%	-	-	-	0.0%
Debt Service	212,509	160,579	75.6%	228,328	230,976	173,836	75.3%
General Retirement System Accelerated Pension	11,621	8,716	75.0%	6,479	3,097	3,097	100.0%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	2,394	1,796	75.0%	2,503	2,503	1,877	75.0%
Regional System Lease	27,500	20,625	75.0%	27,500	27,500	20,625	75.0%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall Pending Improvement & Extension Fund Transfer Pending	-	-	0.0%	-	-	-	0.0%
	26,237	20,400	77.8%	30,173	10,311	18,701	181.4%
Total Revenue Requirements	\$ 495,207	\$ 368,849	74.5%	\$ 500,627	\$ 496,412	\$ 381,439	76.8%
Net Difference		\$ 737				\$ 4,285	
<i>Recap of Net Positive Variance</i>							
		<i>Revenue Variance</i>	\$ (1,820)			\$ 13,415	
		<i>Revenue Requirement Variance</i>	2,557			(9,130)	
		<i>Overall Variance</i>	\$ 737			\$ 4,285	

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Operations & Maintenance Budget – Major Budget Categories

The year-over-year benchmark ratio as of March 31, 2024, is 75.0% (nine months). When comparing FY 2024 to FY 2023 in **Table 2 – Operations & Maintenance Budget – Major Budget Categories**, the overall spending is higher in FY 2024.

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 2023	FY 2023	Percent Year-to-Date at 3/31/2023	FY 2024	FY 2024	Percent Year-to-Date at 3/31/2024
	AMENDED BUDGET	ACTIVITY THRU 3/31/2023		BOARD ADOPTED BUDGET	AMENDED BUDGET	
Water	\$ 85,337	\$ 62,490	73.2%	\$ 82,733	\$ 90,764	69.0%
Sewer	136,348	101,556	74.5%	132,934	144,349	74.9%
Centralized	104,503	73,908	70.7%	106,901	115,935	73.6%
Administrative	34,682	23,824	68.7%	35,983	37,861	71.9%
Employee Benefits	-	(31)	0.0%	-	-	0.0%
Total O&M Budget	\$ 360,870	\$ 261,746	72.5%	\$ 358,550	\$ 388,908	72.9%

Totals may be off due to rounding

Alignment of Operations & Maintenance Budget Priorities – Expense Variance Analysis

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

Total: In total, the overall O&M expenses are at 72.9% which is below the pro-rata benchmark of 75.0%. This positive variance equates to a dollar amount of \$8.4 million. The expense category commentary is provided below for items highlighted on Table 3.

Personnel Costs: The overall category is slightly above the pro-rata benchmark; coming in at 75.2% through March 2024.

Utilities: The overall category is above the pro-rata benchmark; coming in at 76.3% through March 2024. Variances within this category, when they occur, are not unexpected as usage varies throughout the year.

- **Electric** is above the pro-rata benchmark, coming in at 76.2%. It should be noted that variances are not unexpected as usage varies throughout the year. 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. This category continues to be monitored.
- **Gas** is coming in at 88.7% which is above the benchmark of 75.0%. Variances within this category are not unexpected as usage varies throughout the year. This category is under review.
- **Sewage service** is lower than the benchmark, coming in at 58.0%. This category is under review.
- **Water service** is slightly below the benchmark, coming in at 74.9%. As meters have been repaired or replaced at the WRRF, the billings that previously reported estimated readings have been replaced with actual readings. The actual readings have been coming in higher than the estimated billings. In addition, a new water billing structure was implemented in early FY 2023 which has resulted in an increase in the water billing rate. This category continues to be monitored.

Chemicals: This category is lower than the benchmark; coming in at 70.5% through March 2024. The FY 2024 budget was amended for the increase in chemical costs. Variances within this category are not unexpected as usage varies throughout the year.

Supplies & Other: This category is lower than the pro-rata benchmark; coming in at 67.9% through March 2024. Given that the nature of the items in this category are subject to one-time expenses that do not occur evenly throughout the year, variances are not unexpected. A review of this category is being conducted.

Contractual Services: The overall category is slightly higher than the pro-rata benchmark; coming in at 75.8% through March 2024. 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 are processed for those projects in which the actual start dates have been delayed from that in which they were budgeted.

Capital Program Allocation: This category is lower than the benchmark; coming in at 48.2% through March 2024. 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. A review of this category is being conducted.

Shared Services: This category is higher than the benchmark; coming in at 78.8% through March 2024. The shared services reimbursement is comprised of both labor (tracked via BigTime) and expenses, such as annual fees for software licensing. Staff from both GLWA and DWSD have been working together to evaluate and refine the budget for the shared services agreements. Based on these evaluations, adjustments have been made to both the billings and accounting accruals to reflect the forecasted activity more accurately for FY 2024. In addition, it is important to note that some of the shared services agreements are not billed at a monthly rate of 1/12 of the annual budgeted amount and activity includes true-up billings from prior years.

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

Expense Categories	FY 2023 AMENDED BUDGET	FY 2023 ACTIVITY THRU 3/31/2023	Percent Year-to- Date at 3/31/2023	FY 2023 ACTIVITY THRU 6/30/2023	Percent Year-to- Date at 6/30/2023	FY 2024		FY 2024 ACTIVITY THRU 3/31/2024	Percent Year-to- Date 3/31/2024	FY 2024 Prorated Amended Budget Less FY 2024 Activity
						FY 2024 AMENDED BUDGET	FY 2024 PRORATED BUDGET (9 MONTHS)			
Entity-wide										
Salaries & Wages	\$ 71,395	\$ 53,257	74.6%	\$ 70,114	76.0%	\$ 75,308	\$ 56,481	\$ 57,227	76.0%	\$ (746)
Workforce Development	1,326	974	73.4%	1,414	68.9%	1,754	1,316	1,387	79.1%	(72)
Overtime	8,411	6,450	76.7%	8,571	75.3%	7,503	5,627	6,720	89.6%	(1,093)
Employee Benefits	25,582	18,678	73.0%	24,790	75.3%	28,401	21,300	20,154	71.0%	1,146
Transition Services	9,432	7,080	75.1%	9,920	71.4%	10,041	7,531	6,957	69.3%	574
Employee Benefits Fund	-	(31)	0.0%	-	0.0%	-	-	-	0.0%	-
<i>Personnel Costs</i>	<u>116,145</u>	<u>86,407</u>	<u>74.4%</u>	<u>114,808</u>	<u>75.3%</u>	<u>123,007</u>	<u>92,255</u>	<u>92,446</u>	<u>75.2%</u>	<u>(190)</u>
Electric	47,963	34,889	72.7%	48,176	72.4%	49,042	36,781	37,357	76.2%	(576)
Gas	12,042	9,370	77.8%	10,821	86.6%	6,203	4,652	5,501	88.7%	(849)
Sewage Service	3,028	2,695	89.0%	3,052	88.3%	2,847	2,135	1,651	58.0%	484
Water Service	11,589	8,224	71.0%	15,228	54.0%	13,098	9,824	9,812	74.9%	11
<i>Utilities</i>	<u>74,622</u>	<u>55,178</u>	<u>73.9%</u>	<u>77,277</u>	<u>71.4%</u>	<u>71,189</u>	<u>53,392</u>	<u>54,322</u>	<u>76.3%</u>	<u>(929)</u>
Chemicals	29,525	21,831	73.9%	30,542	71.5%	31,960	23,970	22,532	70.5%	1,438
Supplies & Other	36,163	25,530	70.6%	35,766	71.4%	46,006	34,505	31,223	67.9%	3,282
Contractual Services	106,625	75,230	70.6%	108,726	69.2%	113,918	85,438	86,359	75.8%	(920)
Capital Program Allocation	(2,135)	(1,601)	75.0%	(2,190)	73.1%	(3,761)	(2,821)	(1,814)	48.2%	(1,007)
Shared Services	(1,571)	(830)	52.8%	(3,270)	25.4%	(2,207)	(1,655)	(1,739)	78.8%	84
Unallocated Reserve	1,497	-	0.0%	-	0.0%	8,796	6,597	-	0.0%	6,597
Total Expenses	<u>\$ 360,870</u>	<u>\$ 261,746</u>	<u>72.5%</u>	<u>\$ 361,658</u>	<u>72.4%</u>	<u>\$ 388,908</u>	<u>\$ 291,681</u>	<u>\$ 283,328</u>	<u>72.9%</u>	<u>\$ 8,353</u>

Totals may be off due to rounding



The Basic Financial Statements report includes the following four tables.

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

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

The June 2023 comparative amounts shown in the tables below are presented based on final audited figures.

Statement of Net Position – All Funds Combined

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

**Table 1 – Statement of Net Position - All Funds Combined
As of March 31, 2024
(\$000)**

	Water	Sewage Disposal	Total Business- type Activities	Comparative June 30, 2023
Assets				
Cash - unrestricted (a)	\$ 180,603	\$ 257,655	\$ 438,258	\$ 482,736
Cash - restricted (a)	219,344	268,129	487,473	470,204
Investments - unrestricted (a)	101,763	102,076	203,839	63,241
Investments - restricted (a)	119,162	155,602	274,764	177,998
Accounts Receivable	77,726	48,846	126,572	171,747
Due from (to) Other Funds (b)	8,004	(8,004)	-	-
Other Assets (c)	662,531	401,602	1,064,133	1,056,956
Cash held FBO DWSD Advance	-	-	-	-
Capital Assets, net of Depreciation	1,159,195	1,903,591	3,062,786	3,229,243
Land	293,617	126,816	420,433	420,433
Construction Work in Process (e)	505,089	345,453	850,542	668,326
Total assets	3,327,034	3,601,766	6,928,799	6,740,885
Deferred Outflows (f)	40,823	82,384	123,207	181,672
Liabilities				
Liabilities - Liabilities-ST	172,450	192,796	365,245	424,229
Due to (from) Other Funds (b)	-	-	-	-
Other Liabilities (h)	2,000	5,500	7,500	7,500
Cash Held FBO DWSD (d)	29,198	40,667	69,865	42,464
Liabilities - Long-Term (i)	3,223,735	3,444,769	6,668,504	6,598,619
Total liabilities	3,427,383	3,683,731	7,111,114	7,072,812
Deferred Inflows (f)	53,528	69,869	123,397	81,327
Total net position (j)	\$ (113,054)	\$ (69,451)	\$ (182,504)	\$ (231,582)

Totals may be off due to rounding

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

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

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

Footnotes to Statement of Net Position

- a. *Cash and Investments* during the fiscal year are reported at book value. Investments at June 30, 2023 are reported at market value. The March 31, 2024 values differ from the Cash and Investment section of this Financial Report Binder due to timing of certain items recognized on a cash versus accrual basis.
- b. *Due from Other Funds* and *Due to Other Funds* are shown at gross for sub-fund activity.
- c. *Other Assets* primarily consists of the contractual obligation receivable from DWSD related to reimbursement of bonded indebtedness for local system improvements.
- d. *Cash Held FBO Advance (for benefit of) DWSD* and *Cash Held FBO DWSD* represents the net difference between DWSD retail cash received from customers and net financial commitments as outlined in the Master Bond Ordinance.
- e. *Construction Work in Process* represents the beginning balance of CWIP plus any construction spending during the fiscal year. The balance will fluctuate based on the level of spend less any capitalizations or write-offs.
- f. *Deferred Inflow* and *Deferred Outflow* relate mainly to financing activity and GLWA's share of the legacy General Retirement System (GRS) pension obligation.
- g. *Liabilities - Short-term* include accounts payable, retainage payable, and certain accrued liabilities. Some items, such as compensated absences and worker's compensation, are reviewed periodically but only adjusted in the interim if there is a material change.
- h. *Other Liabilities* account for the cash receipts set aside for the Budget Stabilization Fund and the Water Residential Assistance Program.
- i. *Liabilities – Long-term* include bonds payable, lease payable, and legacy General Retirement System pension liabilities.
- j. *Net Position Deficit* is defined by accounting standards as the residual of all other elements presented in a statement of financial position. It is the difference between (a) assets and deferred outflows of resources and (b) liabilities and deferred inflows of resources. A net deficit occurs when the liabilities and deferred inflows exceed assets and deferred outflows. GLWA's net deficit is largely driven by an increase in depreciation expense because of the increase in the acquisition valuation approach for recording capital asset values in the opening Statement of Net Position on January 2016. Efforts are underway to evaluate the net operating effect of this matter over the long term.

Statement of Revenues, Expenses and Changes in Net Position

– All Funds Combined

This statement, shown in Table 2, is presented in summary format. The accrual basis of revenues and operations and maintenance expense vary from the revenue requirement basis presented in the *Budget to Actual Analysis* and the *Wholesale Billings, Receivables & Collections* sections of the March 2024 Financial Report Binder. Prior year ending balances are provided in the June 30, 2023 column as a reference for comparative purposes. Explanatory notes follow this statement.

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

Table 2 – Statement of Revenues, Expenses and Changes in Net Position
– All Funds Combined
For the Nine Months ended March 31, 2024
(\$000)

	Water	Percent of Revenue	Sewage Disposal	Percent of Revenue	Total Business- Type Activities	Comparative June 30, 2023
Revenue						
Wholesale customer charges	\$ 254,307	92.8%	\$ 211,279	57.3%	\$ 465,585	\$ 616,511
Local system charges	19,153	7.0%	147,427	40.0%	166,580	213,877
Industrial waste charges		0.0%	6,492	1.8%	6,492	8,393
Pollutant surcharges		0.0%	3,004	0.8%	3,004	4,895
Other revenues	634	0.2%	379	0.1%	1,013	2,011
Total Revenues	274,094	100.0%	368,581	100.0%	642,676	845,686
Operating expenses						
Operations and Maintenance	116,028	42.3%	162,378	44.1%	278,407	366,823
Depreciation	88,313	32.2%	117,132	31.8%	205,444	289,957
Amortization of intangible assets	2,883	1.1%	537	0.1%	3,420	4,006
Total operating expenses	207,223	75.6%	280,047	76.0%	487,271	660,786
Operating Income	66,871	24.4%	88,534	24.0%	155,405	184,900
Total Nonoperating (revenue) expense	56,065	20.5%	50,263	13.6%	106,327	197,183
Increase/(Decrease) in Net Position	10,806	3.9%	38,271	10.4%	49,077	(12,283)
Net Position (deficit), beginning of year	(123,860)		(107,722)		(231,582)	(219,299)
Net position (deficit), end of year	\$ (113,054)		\$ (69,451)		\$ (182,504)	\$ (231,582)

Totals may be off due to rounding

Water Fund

- ✓ The increase in Water Fund Net Position is \$10.8 million.
- ✓ Wholesale water customer charges of \$254.3 million account for 92.8% of Water System revenues.
- ✓ Operating expenses of \$207.2 million represent 75.6% of total operating revenue. Depreciation is the largest operating expense at \$88.3 million or 42.6% of operating expense.
- ✓ Amortization of intangible assets represents activity for raw water rights and IT software.
- ✓ Operating income after operating expenses (including depreciation) equals \$66.9 million or 24.4% of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$66.9 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 \$38.3 million.
- ✓ Wholesale customer charges of \$211.3 million account for 57.3% 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 \$147.4 million account for 40.0% of total operating revenues. These are also billed at one-twelfth of the annual revenue requirement.
- ✓ Operating expenses of \$280.0 million represent 76.0% of total operating revenue. Depreciation is the largest operating expense at \$117.1 million or 41.8% of total operating expense.
- ✓ Amortization of intangible assets represents activity for a warehouse lease and IT software.
- ✓ Operating income after operating expenses (including depreciation) equals \$88.5 million or 24.0% of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$79.4 million (this equates to the bonded debt interest expense less the offset from DWSD contractual obligation income).

Supplemental Schedule of Operations & Maintenance Expenses – All Funds Combined

This Supplemental Schedule of Operations & Maintenance Expenses (O&M) schedule is shown below in Table 3. This accrual basis of operations and maintenance expense may vary from the revenue requirement basis presented in the *Budget to Actual Analysis* section of the March 2024 Financial Report Binder. Explanatory notes follow this schedule.

**Table 3 – Supplemental Schedule of Operations & Maintenance Expenses
– All Funds Combined
For the Nine Months ended March 31, 2024
(\$000)**

	Water	Percent of Total	Sewage Disposal	Percent of Total	Total Business- Type Activities	Percent of Total
Operating Expenses						
Personnel						
Salaries & Wages	21,071	18.2%	44,501	27.4%	65,572	23.6%
Overtime	4,159	3.6%	2,562	1.6%	6,720	2.4%
Benefits	14,428	12.4%	5,726	3.5%	20,154	7.2%
Total Personnel	\$ 39,657	34.2%	\$ 52,788	32.5%	\$ 92,446	33.2%
Utilities						
Electric	23,318	20.1%	14,040	8.6%	37,357	13.4%
Gas	1,004	0.9%	4,498	2.8%	5,501	2.0%
Sewage	279	0.2%	1,372	0.8%	1,651	0.6%
Water	2	0.0%	9,810	6.0%	9,812	3.5%
Total Utilities	\$ 24,602	21.2%	\$ 29,719	18.3%	\$ 54,322	19.5%
Chemicals	8,755	7.5%	13,777	8.5%	22,532	8.1%
Supplies and other	8,332	7.2%	21,509	13.2%	29,841	10.7%
Contractual services	38,737	33.4%	46,265	28.5%	85,002	30.5%
Capital Adjustment	-	0.0%	-	0.0%	-	0.0%
Capital program allocation	(908)	-0.8%	(906)	-0.6%	(1,814)	-0.7%
Intergovernmental Agreement	(1,990)	-1.7%	(193)	-0.1%	(2,183)	-0.8%
Shared services allocation	(1,157)	-1.0%	(582)	-0.4%	(1,739)	-0.6%
Operations and Maintenance Expenses	\$ 116,028	100.0%	\$ 162,378	100.0%	\$ 278,407	100.0%

Totals may be off due to rounding

- ✓ Core expenses for water and sewage disposal systems are utilities (19.5% of total O&M expenses) and chemicals (8.1% of total O&M expenses).
- ✓ Personnel costs (33.2% 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 (30.5%) includes:
 - Water System costs of sludge removal and disposal services at the Northeast, Southwest and Springwells Water Treatment Plants (approximately \$4.3 million);
 - Sewage Disposal System costs for the operation and maintenance of the biosolids dryer facility (approximately \$13.6 million); and
 - Centralized and administrative contractual costs allocated to both systems for information technology, building maintenance, field, planning and other services.
- ✓ The Capital Program Allocation, Intergovernmental Agreement and Shared Services Allocation are shown as negative amounts because they are 'contra' expense accounts representing offsets to associated costs in other Operations and Maintenance expense categories.

Supplemental Schedule of Nonoperating Expenses – All Funds Combined

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

**Table 4 – Supplemental Schedule of Nonoperating Expenses – All Funds Combined
For the Nine Months ended March 31, 2024
(\$000)**

	Water	Sewage Disposal	Total Business-type Activities	Comparative June 30, 2023
Nonoperating (Revenue)/Expense				
Interest income contractual obligation	\$ (18,084)	\$ (11,811)	\$ (29,895)	\$ (41,059)
Investment earnings	(19,327)	(24,083)	(43,411)	(35,344)
Net (incr) decr in fair value of invstmt	(1,305)	(2,617)	(3,922)	(2,257)
Other nonoperating revenue	(182)	(28,036)	(28,219)	(3,872)
Interest Expense				
Bonded debt	85,028	91,236	176,264	228,066
Lease obligation	12,436	15,200	27,637	37,319
Other obligations	3,157	1,219	4,376	5,906
Total interest expense	100,622	107,655	208,277	271,291
Other non-capital expense	-	-	-	-
Memorandum of Understanding	-	-	-	-
Capital Contribution	-	-	-	(2,176)
Amortization, issuance costs, debt	(10,456)	1,779	(8,677)	(3,998)
(Gain) loss on disposal of capital assets	4	(19)	(14)	2,119
Loss on impairment of capital assets	-	-	-	-
Discontinued Capital Projects	-	-	-	20,903
Water Residential Assistance Program	2,390	3,095	5,484	12,343
Legacy pension expense	2,403	4,300	6,703	(20,765)
Total Nonoperating (Revenue)/Expense	\$ 56,065	\$ 50,263	\$ 106,327	\$ 197,183

- ✓ 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.
- ✓ 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.
- ✓ Net (increase) decrease in fair value of investments consists of market value of investments and realized gain/loss on sale of investments. FY 2022 market value adjustments for Water and Sewer total \$2.8 million and \$3.9 million, respectively. FY 2023 market value adjustments for Water and Sewer total \$1.3 million and \$2.6 million, respectively. Any difference is due to realized gain or loss on investments.

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

- ✓ 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.
- ✓ FY 2024 and FY 2023 other non-operating income primarily represents FEMA Covid-19 grant income for the Water and Sewage Disposal systems.
- ✓ The FY 2023 capital contribution in Nonoperating (revenue) expense represents funds from the Evergreen Farmington Sewer District for a maximum discharge capacity of 227 cubic feet per second (cfs) to the regional sewer system.
- ✓ FY 2023 Sewage Disposal loss on disposal of capital assets includes sale of McKinstry warehouse.
- ✓ For FY 2023, GLWA is recognizing non-operating pension revenue rather than expense as a result of improved investment earnings for the plan.
- ✓ The FY 2023 Discontinued capital projects represents the cancellation of three Water CIP projects to repurpose the Northeast Water Treatment Plant.

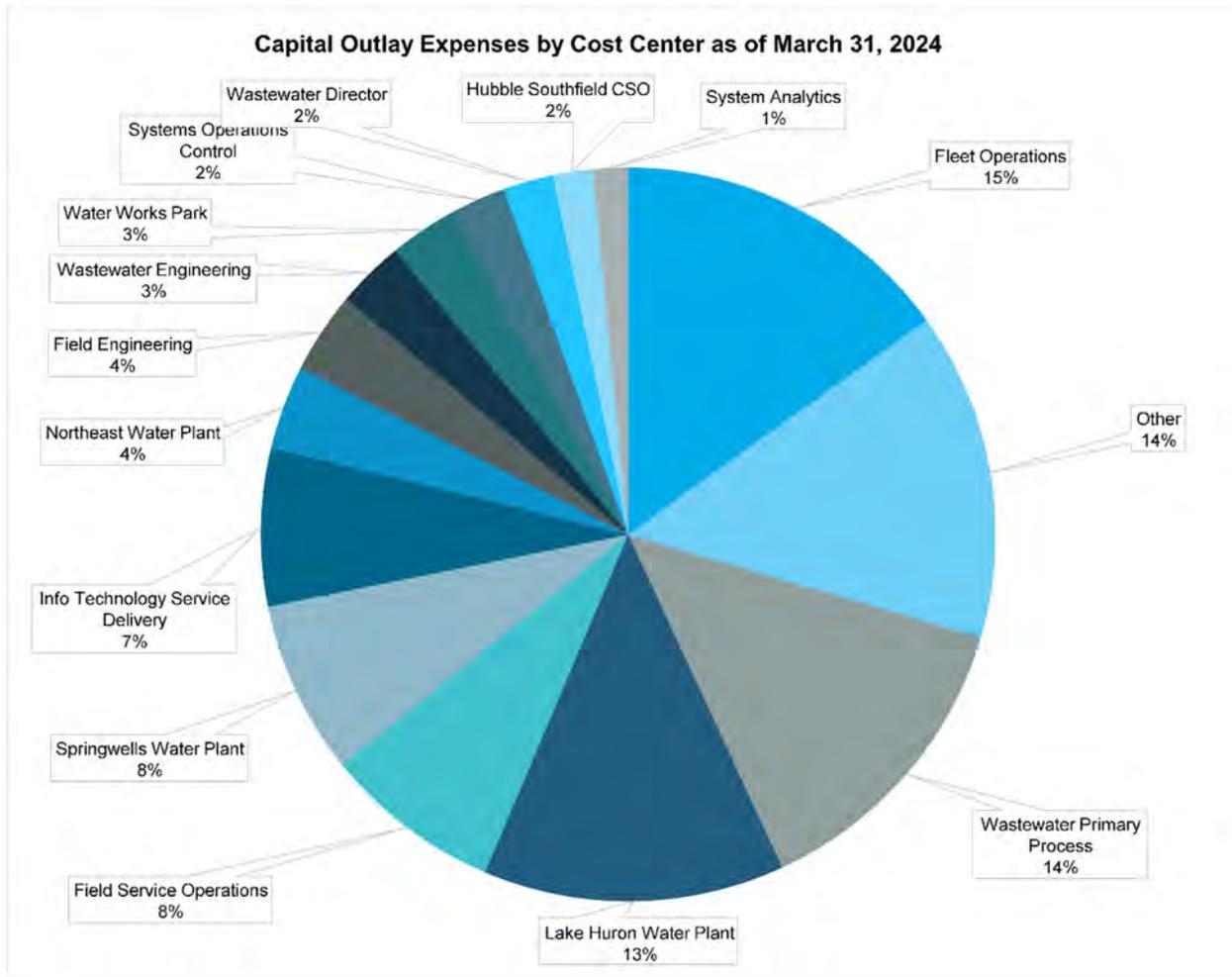


Financial Activity Charts

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 March 31, 2024, total capital outlay spend is \$15.6 million. Following this chart is a sample list of projects and purchases from the total spend of \$15.6 million:



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

Water Operations: Ovation power supply upgrade (\$1.6m); Clarifier Drive (\$797k); Lake Huron Boiler retrofit (\$541k); Water Works Park build out (\$210k); Northeast

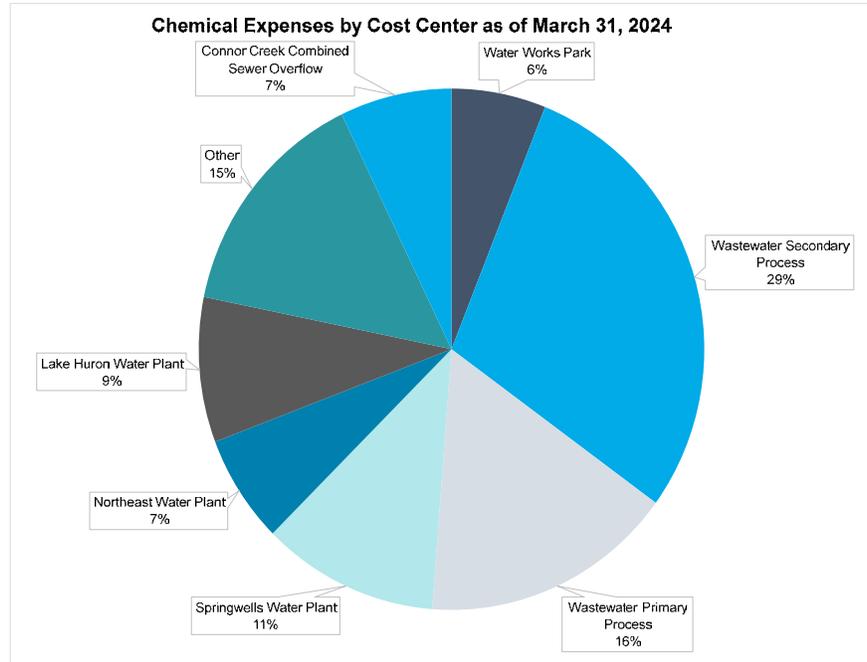
Water Treatment Plant fluid heater (\$189k); Lake Huron doors and frames (\$132k); STACO energy first line universal power supply (\$91k); Springwells elevator repairs (\$89k); Evaporators (\$86k); Ozone vessel refurbish (\$84k); Northeast Water Treatment Plant annual work platform (\$73k) and compact utility tractor (\$57k).

Wastewater Operations: Magnetic Low Meter Replacement (\$1.1m); WRRF flow meter replacement (\$669k); Complex A pump replacement (\$265k); WRRF Incinerator freight elevator (\$255k); CSO's system control center support (\$220k); ; Scum hopper pump (\$131k); WRRF Primary area gas detection system (\$105k); Replacement chopper pumps (\$102k); Multiple CSO's submersible motor (\$92k); Submersible chopper pump (\$89k); Chlorination scrubber pump (\$70k); Baby Creek furniture and supplies (\$67k); Bluehill Pump Station ovation upgrade (\$66k); Fischer Pump Station ovation upgrade (\$61k); Hubble furniture and supplies (\$61k); 7 mile CSO influent slide gate replacement (\$59k) and collection system level sensors (\$54k).

Centralized & Administrative Facilities: Trucks and vehicles (\$2.5m); Computer hardware and software (\$1.1m); Pump stations ovation upgrade (\$1.1m); Ovation upgrade and cabinet replacement (\$288k); Database support (\$188k); Sewer meter support (\$162k); Forklift (\$86k); WRRF furniture and supplies (\$82k); WRRF EV charging stations (\$80k); Meter and Interior vault renovation (\$78k); Base trex platform (\$67k); Probe (\$58k); Water Board Building furniture and supplies (\$51k) and Pressure transmitters (\$50k).

Chart 2 – Chemical Expenses – Water and Sewer System Combined

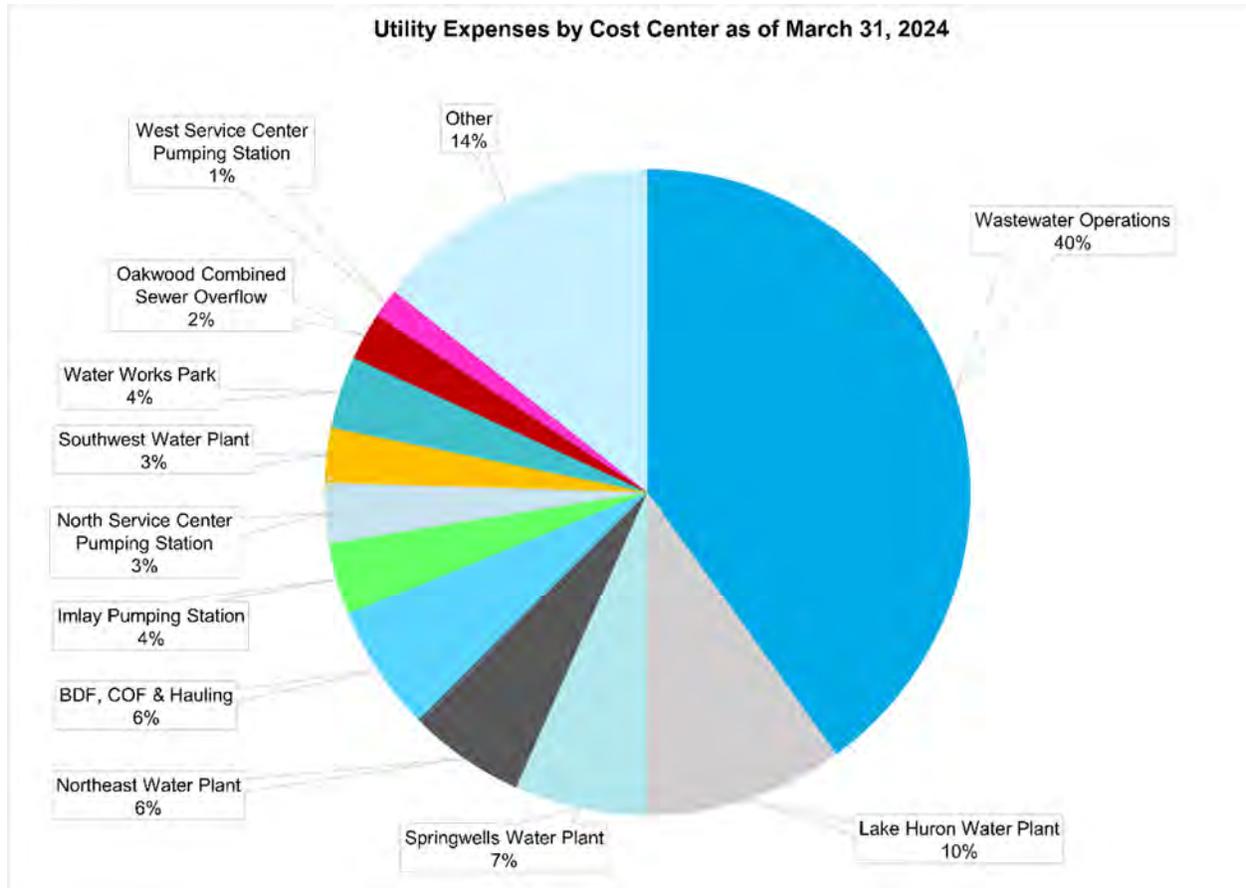
Chemical expenses are \$22.5 million through March 31, 2024. The allocation is shown in the chart below and remains consistent with prior periods.



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 \$54.3 million through March 31, 2024. 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 March 31, 2024 all reconciliations are up-to-date and complete.

There were no new accounts added in the general ledger since February 2024.

Chart 1 – Bank Reconciliation Completion Status

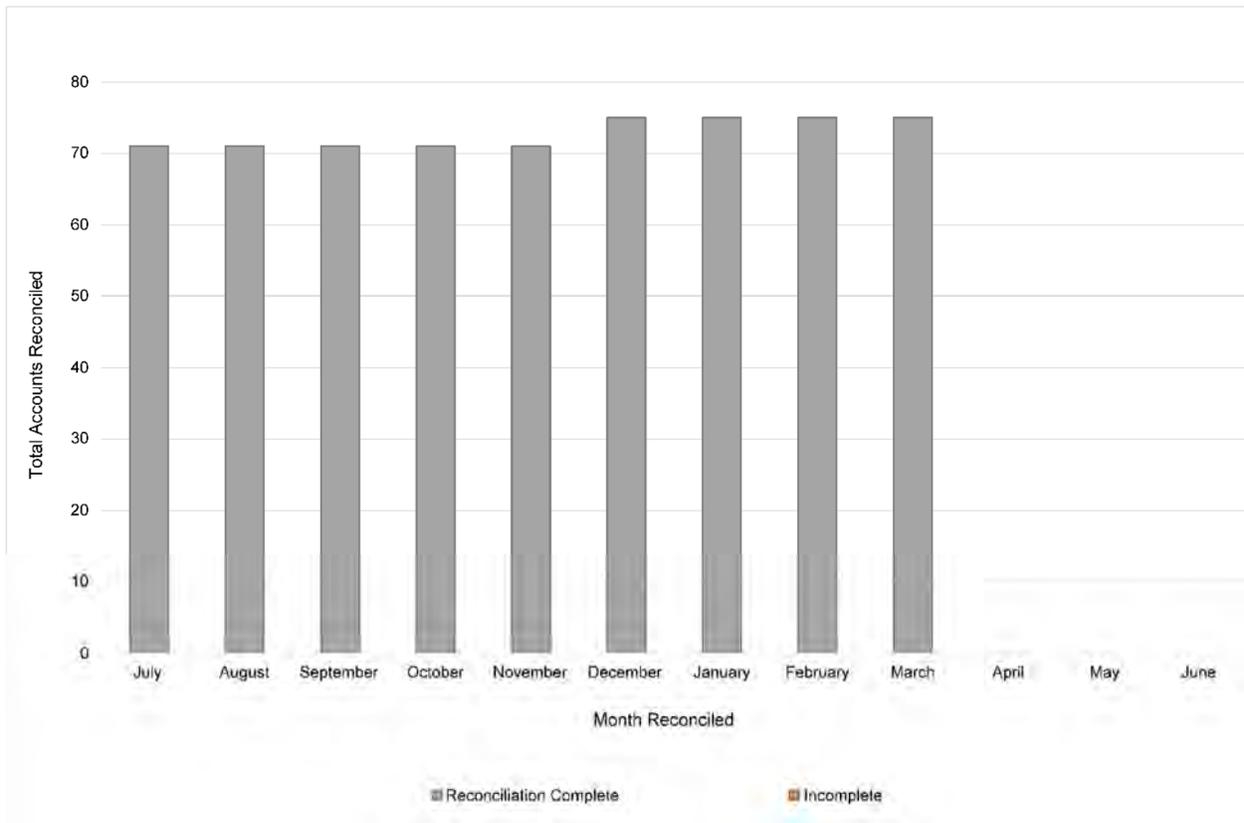


Table 1 – Fiscal Year 2024 GL Cash Account Rollforward

Total GL Cash accounts as of July 1, 2023	71
New GL Cash accounts	4
Inactivated GL Cash accounts	0
Total GL Cash accounts as of March 31, 2024	75

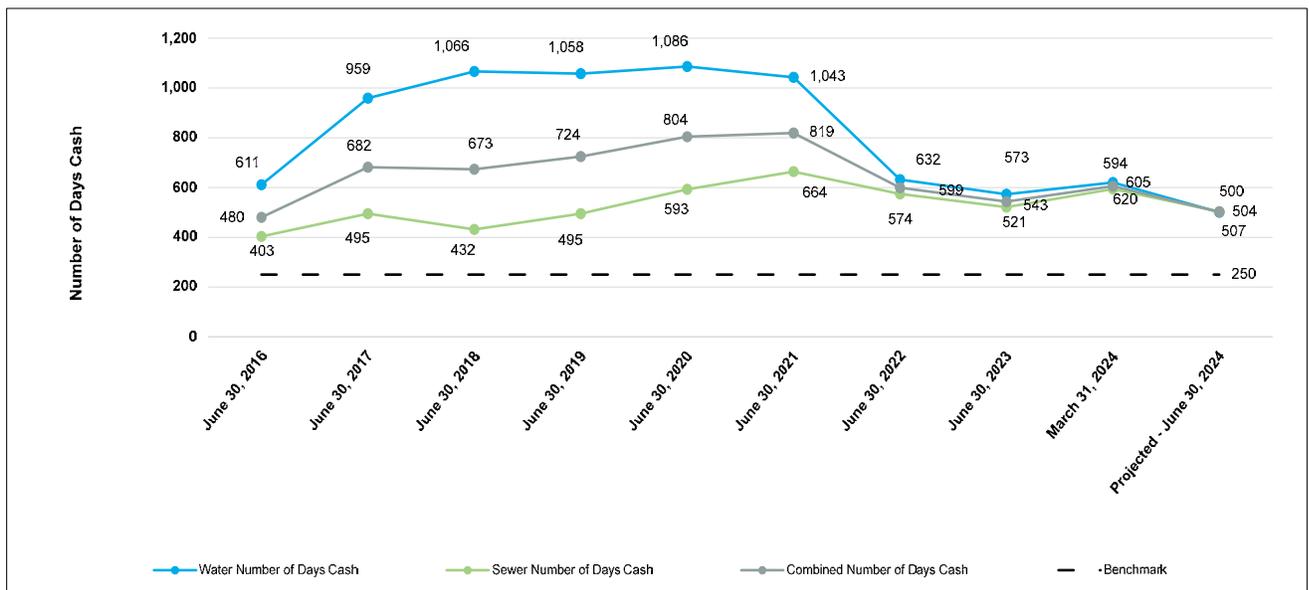


Financial Operations KPI - Liquidity

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

Both GLWA Water and Sewer funds continue to exceed this target with Water at 620 and Sewer at 594 days cash on hand as of March 31, 2024. These balances remain strong for the regional system but did decrease in FY 2022 as I&E funds were used as planned to fund capital improvement projects. A December 2023 revenue bond transaction replenished the construction bond funds and reduced the emphasis on I&E funding. The FY 2024 projection is calculated based on values from the GLWA FY 2024 – 2028 Budget & Five-Year Plan adjusted for 2nd quarter budget amendments.

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



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

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

	<u>June 30, 2023</u>	<u>March 31, 2024</u>	<u>Projected June 30, 2024</u>
Water Fund			
Cash and Investments - Unrestricted	\$ 243,707,000	\$ 282,366,000	\$ 228,800,000
Operating Expense			
Operating Expense (a)	\$ 285,220,000	\$ 231,112,000	\$ 308,150,000
Less: Depreciation (a)	(126,486,000)	(103,275,000)	(137,700,000)
Less: Amortization of Intangible Asset (a)	(3,567,000)	(2,675,000)	(3,567,000)
Net Operating Expense	\$ 155,167,000	\$ 125,162,000	\$ 166,883,000
Operating Expense per Day	\$ 425,000	\$ 455,000	\$ 457,000
Days Cash			
Number of Days Cash	573	620	500
Sewage Disposal Fund			
Cash and Investments - Unrestricted	\$ 302,270,000	\$ 359,731,000	\$ 306,100,000
Operating Expense			
Operating Expense (a)	\$ 375,567,000	\$ 290,644,000	\$ 387,526,000
Less: Depreciation (a)	(163,471,000)	(124,125,000)	(165,500,000)
Less: Amortization of Intangible Asset (a)	(440,000)	-	-
Net Operating Expense	\$ 211,657,000	\$ 166,519,000	\$ 222,026,000
Operating Expense per Day	\$ 580,000	\$ 606,000	\$ 608,000
Days Cash			
Number of Days Cash	521	594	503
Combined			
Cash and Investments - Unrestricted	\$ 545,977,000	\$ 642,097,000	\$ 534,900,000
Operating Expense			
Operating Expense (a)	\$ 660,787,000	\$ 521,756,000	\$ 695,675,000
Less: Depreciation (a)	(289,957,000)	(227,400,000)	(303,200,000)
Less: Amortization of Intangible Asset (a)	(4,006,000)	(2,675,000)	(3,567,000)
Net Operating Expense	\$ 366,824,000	\$ 291,681,000	\$ 388,908,000
Operating Expense per Day	\$ 1,005,000	\$ 1,061,000	\$ 1,066,000
Days Cash			
Number of Days Cash	543	605	502
<i>Totals may be off due to rounding</i>			

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



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 Difference” to the “Increase/(Decrease) in Net Position” in Table 2 of the Basic Financial Statements in the monthly Financial Report.

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

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

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

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

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

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

Table 1 – Crosswalk Budget Basis to Financial Reporting Basis (\$000)
For the Eight Months Ended March 31, 2024

	Water	Sewer	Total
Net Revenue Requirement Budget Variance (a)	\$ 4,792	\$ 4,285	\$ 9,077
Budgetary categories adjustments to financial reporting basis			
Pension delayed accounting election adjustments			
Current year pension transfers/payments recorded as deferral (c)	849	1,620	2,469
Prior year pension contribution accounted for in current year (d)	(2,403)	(4,300)	(6,703)
Administrative prepaid adjustment (e)	-	-	-
Debt service (f)	55,031	94,411	149,442
Accelerated pension B&C notes obligation portion (g)	161	361	522
Regional System lease (h)	4,439	5,425	9,864
GASB 87 & GASB 96 adjustments (h)	4,380	2,706	7,086
WRAP (i)	(1,001)	(1,218)	(2,219)
Extraordinary Repair & Replacement Fund transfers (j)	-	-	-
Improvement & Extension Fund transfers (j)	16,191	18,701	34,892
Nonbudgeted financial reporting categories adjustments			
Depreciation and amortization (k)	(91,196)	(117,669)	(208,865)
Amortization - debt related (k)	10,456	(1,779)	8,677
Other nonoperating income (k)	-	-	-
Other nonoperating expense (k)	-	27,866	27,866
Gain(loss) on disposal of capital assets (k)	(4)	19	15
Raw water rights obligation (l)	2,212	-	2,212
Investment earnings for construction fund (m)	6,003	7,111	13,114
Interest on DWSD note receivable (n)	-	-	-
Investment earnings unrealized gain/loss (o)	1,305	2,617	3,922
Improvement & extension fund operating expenses (p)	(408)	(1,885)	(2,293)
Net Position Increase/(Decrease) per Financial Statements (b)	\$ 10,806	\$ 38,271	\$ 49,077

Table 2 - Explanatory Notes for Crosswalk

- (a) Source: Budget to Actual Table 1A and Table 1B in Monthly Financial Report
- (b) Source: Basic Financial Statements Table 2 in Monthly Financial Report
- (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) Payments for the warehouse lease and subscription-based information technology arrangements (SBITA) are expensed for budget purposes. For financial reporting purposes, the warehouse lease is recorded under GASB 87 and payments are treated as a reduction in the lease liability and interest expense (which is a nonoperating expense). The SBITA payments are recorded under GASB 96 and are treated as a prepaid subscription asset as the software is currently in the implemented phase.
- (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 Improvement & Extension Fund and Extraordinary Repair & Replacement Fund transfers are shown as an expense for budget purposes but not for financial reporting purposes.
- (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 for 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 purposes the Flint wholesale charges are recorded as 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.
- (n) Interest on a 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. DWSD does not currently have a note receivable due to GLWA.
- (o) 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.
- (p) The Water Improvement and Extension fund and the Sewer Improvement and Extension fund reflect certain expenses relating to repairs paid for through the Water and Sewer Improvement and Extension funds, respectively. These are consolidated expenses for financial reporting purposes but are not reflected in the current Operations and Maintenance budget expenses.



The Monthly Capital Improvement Plan Financial Summary includes the following.

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

Capital Improvement Plan Financial Summary

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

This report presents quarterly and monthly CIP spending against the prorated CIP in total and the CIP adjusted for the SRA. For FY 2024 the original Board approved capital spend rate was 100%. The prorated CIP is calculated by dividing the total fiscal year 2024 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.

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

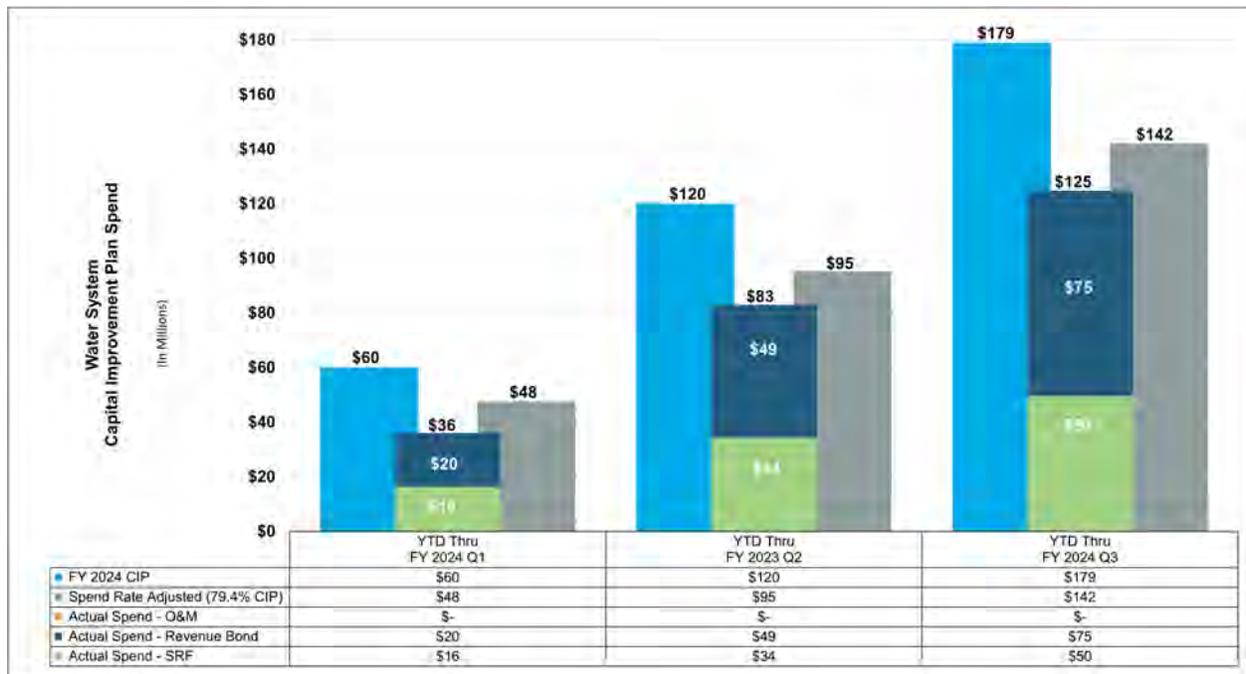
Chart 1 – Water System Capital Improvement Plan Spend Incurred to Date

As of March 2024, the water system incurred \$125 million of construction costs to date. This spend represents 70% of the original Board approved FY 2024 CIP plan and 88% of the spend rate adjusted.

Economic factors affecting the CIP spend are considered by the Board quarterly at which time the Board may amend the planned spend rate adjusted.

As part of the proposed 2nd Quarter Budget Amendments, GLWA staff presented to the Audit Committee a recommendation to amend the spend rate adjusted for the water system from 94% to 79.4%. This recommended change will go to the full Board of Directors for approval in June 2024 and is reflected in Chart 1 below. Current water system spend represents 88% of that spend rate adjusted.

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



All amounts are unaudited unless otherwise noted.

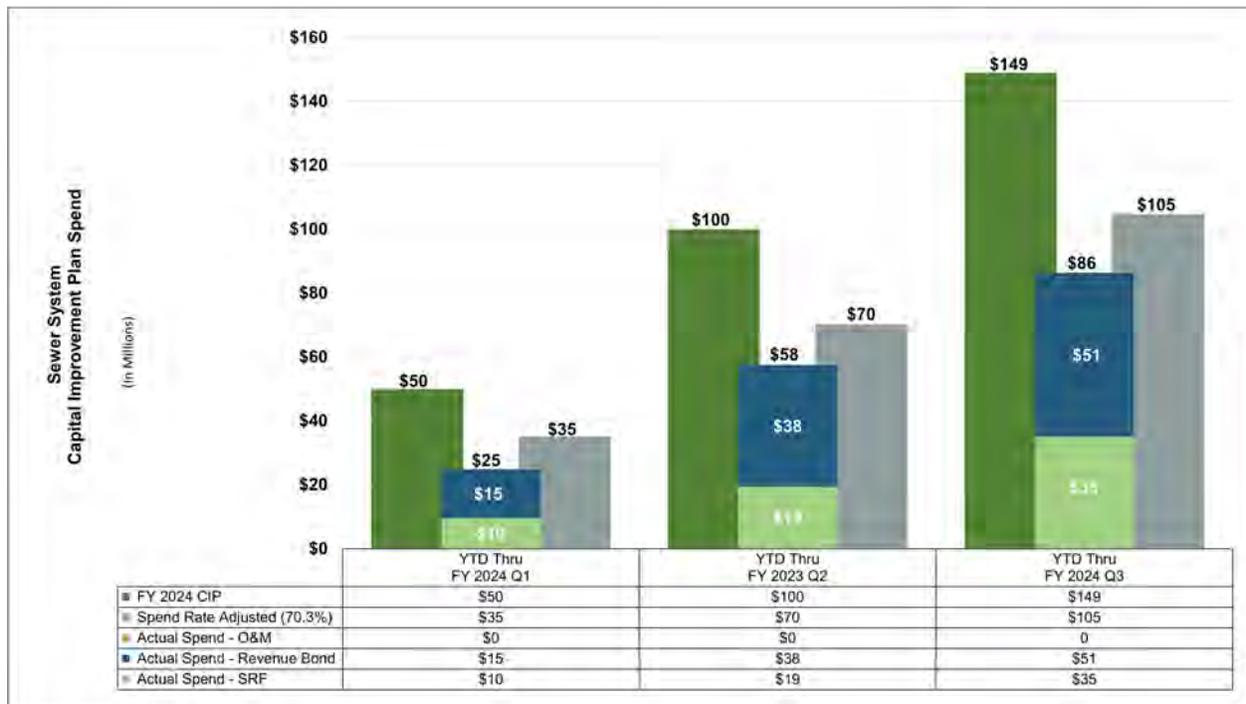
Chart 2 – Sewer System Capital Improvement Plan Spend Incurred to Date

As of March 2024, the Sewer system incurred \$86 million of construction costs to date. This spend represents 58% of the original Board approved FY 2024 CIP plan and 82% of the spend rate adjusted.

Economic factors affecting the CIP spend are considered by the Board quarterly at which time the Board may amend the planned spend rate adjusted.

As part of the proposed 2nd Quarter Budget Amendments, GLWA staff presented to the Audit Committee a recommendation to amend the spend rate adjusted for the sewer system from 82.9% to 70.3%. This recommended change will go to the full Board of Directors for approval in June 2024 and is reflected in Chart 2 below. Current sewer system spend represents 82% of that Board approved spend rate adjusted.

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



All amounts are unaudited unless otherwise noted.



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. If there are transfers to the Extraordinary Repair & Replacement (ER&R) fund they would be completed annually based on budget and year-end fund status.

As of June 30, 2023, GLWA and DWSD have met the requirements of the Plan of Adjustment requiring contributions to the Detroit General Retirement System (GRS) pension plan through Operational and Maintenance Pension sub-accounts. GLWA and DWSD staff monitor the remaining pension obligation closely. Budgeted, annual contributions toward that remaining obligation, at this time identified as limited administrative fee contributions, are transferred to the Pension Obligation Payment fund and reflected in the reported activity found here.

Table 1 – GLWA FY 2024 Water MBO Transfers reflects the required transfers for FY 2024 completed through March 2024. MBO transfers for water totaling \$126.9 million have been transferred to GLWA accounts. In February 2024, an adjustment was made to the non-operating pension to reflect a reduction in the required contribution for FY24. The non-operating pension requirement has been fully funded for the fiscal year.

Table 2 – GLWA FY 2024 Sewer MBO Transfers reflects the required transfers for FY 2024 completed through March 2024. MBO transfers for sewer totaling \$171.9 million have been transferred to GLWA accounts. In February 2024, an adjustment was made to the non-operating pension to reflect a reduction in the required contribution for FY24. The non-operating pension requirement has been fully funded for the fiscal year.

Table 3 – GLWA MBO Transfer History reflects historical transfers for FY 2016 through FY 2024 to date.

Table 1 – GLWA FY 2024 Water MBO Transfers

	WATER						
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Water
FY 2024							
July 2023	\$ 12,742,200	\$ -	\$ 482,808	\$ 225,850	\$ -	\$ -	\$ 13,450,858
August 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
September 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
October 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
November 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
December 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
January 2024	18,688,752	-	(328,148)	225,895	-	-	18,586,499
February 2024	13,591,708	-	-	225,895	-	-	13,817,603
March 2024	13,591,708	-	-	225,760	-	-	13,817,468
April 2024							
May 2024							
June 2024							
Total FY 2024	\$ 122,325,368	\$ -	\$ 2,568,700	\$ 2,032,605	\$ -	\$ -	\$ 126,926,673

Table 2 – GLWA FY 2024 Sewer MBO Transfers

	SEWER						
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Sewer
FY 2024							
July 2023	\$ 17,136,975	\$ -	\$ 682,459	\$ 319,700	\$ -	\$ -	\$ 18,139,134
August 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
September 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
October 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
November 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
December 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
January 2024	25,586,377	-	(180,254)	319,702	-	-	25,725,825
February 2024	18,344,033	-	-	319,702	-	-	18,663,735
March 2024	18,344,033	-	-	319,696	-	-	18,663,729
April 2024							
May 2024							
June 2024							
Total FY 2024	\$ 165,096,293	-	\$3,914,500	\$2,877,300	\$ -	\$ -	\$171,888,093

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Table 3 – GLWA MBO Transfer History

GLWA MBO Transfer History							
WATER							
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Water
Total FY 2016	\$ 71,052,000	\$ 6,037,100	\$ 10,297,200	\$ 1,983,300	\$ 2,326,900	\$ 606,000	\$ 92,302,500
Total FY 2017	111,879,600	6,037,200	10,297,200	2,077,200	360,000	-	130,651,200
Total FY 2018	121,562,604	6,048,000	10,695,696	2,159,400	-	-	140,465,700
Total FY 2019	121,562,604	6,048,000	10,695,696	2,061,000	-	-	140,367,300
Total FY 2020	126,840,204	6,048,000	10,695,683	1,980,804	-	-	145,564,691
Total FY 2021	134,127,300	6,048,000	10,695,700	2,324,200	-	-	153,195,200
Total FY 2022	143,933,800	6,048,000	10,695,700	2,376,600	-	-	163,054,100
Total FY 2023	156,747,700	6,048,000	10,695,700	2,611,800	-	2,200,000	178,303,200
Total FY 2024 (year to date)	122,325,368	-	2,568,700	2,032,605	-	-	126,926,673
Life to Date	\$1,110,031,180	\$ 48,362,300	\$ 87,337,275	\$ 19,606,909	\$ 2,686,900	\$ 2,806,000	\$1,270,830,564
SEWER							
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Sewer
Total FY 2016	\$ 100,865,600	\$ 10,838,400	\$ 14,025,800	\$ 2,523,400	\$ 5,591,700	\$ 779,600	\$ 134,624,500
Total FY 2017	175,858,800	10,838,400	14,026,800	2,654,400	2,654,400	-	206,032,800
Total FY 2018	191,079,396	10,824,000	14,687,496	2,760,804	-	-	219,351,696
Total FY 2019	191,079,396	10,824,000	14,687,496	2,870,992	-	-	219,461,884
Total FY 2020	181,925,800	10,824,000	14,687,517	2,887,300	-	-	210,324,617
Total FY 2021	182,296,000	10,824,000	14,687,500	3,764,300	-	-	211,571,800
Total FY 2022	191,908,600	10,824,000	14,687,400	3,868,700	-	-	221,288,700
Total FY 2023	204,122,500	10,824,000	14,687,400	3,673,800	-	-	233,307,700
Total FY 2024 (year to date)	165,096,293	-	3,914,500	2,877,300	-	-	171,888,093
Life to Date	\$1,584,232,385	\$ 86,620,800	\$ 120,091,909	\$ 27,880,996	\$ 8,246,100	\$ 779,600	\$1,827,851,790

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

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 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.

As of June 30, 2023, GLWA and DWSD have met the requirements of the Plan of Adjustment requiring contributions to the Detroit General Retirement System (GRS) pension plan through Operational and Maintenance Pension sub-accounts. GLWA and DWSD staff monitor the remaining pension obligation closely. Budgeted, annual contributions toward that remaining obligation, at this time identified as limited administrative fee contributions, are transferred to the Pension Obligation Payment fund and reflected in the reported activity found here.

Table 4 – DWSD FY 2024 Water MBO Transfers reflects the required transfers for FY 2024 completed through March 2024. MBO transfers for Water totaling \$50.5 million have been transferred to accounts held by DWSD.

Table 5 – DWSD FY 2024 Sewer MBO Transfers reflects the required transfers for FY 2024 completed through March 2024. MBO transfers for Sewer totaling \$62.4 million have been transferred to accounts held by DWSD.

Table 6 – DWSD Water MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2024 to date.

Table 7 – DWSD Sewer MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2024 to date.

Table 4 – DWSD FY 2024 Water MBO Transfers

WATER				
	<u>Operations & Maintenance</u>	<u>Pension</u>	<u>Lease Payment (I&E Fund)</u>	<u>Total Water</u>
FY 2024				
July 2023	\$ 3,731,400	\$ -	\$ 1,875,000	\$ 5,606,400
August 2023	3,731,400	-	1,875,000	5,606,400
September 2023	3,731,400	-	1,875,000	5,606,400
October 2023	3,731,400	-	1,875,000	5,606,400
November 2023	3,731,400	-	1,875,000	5,606,400
December 2023	3,731,400	-	1,875,000	5,606,400
January 2024	3,731,400	-	1,875,000	5,606,400
February 2024	3,731,400	-	1,875,000	5,606,400
March 2024	3,731,400	-	1,875,000	5,606,400
April 2024				
May 2024				
June 2024				
Total FY 2024	\$ 33,582,600	-	\$ 16,875,000	\$ 50,457,600

Table 5 – DWSD FY 2024 Sewer MBO Transfers

SEWER				
	<u>Operations & Maintenance</u>	<u>Pension</u>	<u>Lease Payment (I&E Fund)</u>	<u>Total Sewer</u>
FY 2024				
July 2023	\$ 4,642,142	\$ -	\$ 2,291,667	\$ 6,933,809
August 2023	4,642,142	-	2,291,667	6,933,809
September 2023	4,642,142	-	2,291,667	6,933,809
October 2023	4,642,142	-	2,291,667	6,933,809
November 2023	4,642,142	-	2,291,667	6,933,809
December 2023	4,642,142	-	2,291,667	6,933,809
January 2024	4,642,140	-	2,291,667	6,933,807
February 2024	4,642,140	-	2,291,667	6,933,807
March 2024	4,642,142	-	2,291,667	6,933,809
April 2024				
May 2024				
June 2024				
Total FY 2024	\$ 41,779,274	-	\$ 20,625,003	\$ 62,404,277

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Table 6 – DWSD Water MBO and Lease Payment Transfer History

Transfers to DWSD				
WATER				
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Water
FY 2016 *				
MBO/Lease Requirement	\$ 26,185,600	\$ 4,262,700	\$ 22,500,000	\$ 52,948,300
Offset to Debt Service	-	-	(2,326,900)	(2,326,900)
Net MBO Transfer	26,185,600	4,262,700	20,173,100	50,621,400
FY 2017				
MBO/Lease Requirement	33,596,400	4,262,400	22,500,000	60,358,800
Offset to Debt Service	-	-	-	-
Net MBO Transfer	33,596,400	4,262,400	22,500,000	60,358,800
FY 2018				
MBO/Lease Requirement	35,059,704	4,272,000	22,500,000	61,831,704
Offset to Debt Service	-	-	(1,875,000)	(1,875,000)
Net MBO Transfer	35,059,704	4,272,000	20,625,000	59,956,704
FY 2019				
MBO/Lease Requirement	35,484,300	4,272,000	22,500,000	62,256,300
Offset to Debt Service	-	-	(3,972,200)	(3,972,200)
Net MBO Transfer	35,484,300	4,272,000	18,527,800	58,284,100
FY 2020				
MBO/Lease Requirement	34,662,400	4,272,000	22,500,000	61,434,400
Offset to Debt Service	-	-	(3,548,000)	(3,548,000)
Net MBO Transfer	34,662,400	4,272,000	18,952,000	57,886,400
FY 2021				
MBO/Lease Requirement	35,833,900	4,272,000	22,500,000	62,605,900
Offset to Debt Service	-	-	(8,278,300)	(8,278,300)
Net MBO Transfer	35,833,900	4,272,000	14,221,700	54,327,600
FY 2022				
MBO/Lease Requirement	29,989,000	4,272,000	22,500,000	56,761,000
Offset to Debt Service	-	-	(8,925,400)	(8,925,400)
Net MBO Transfer	29,989,000	4,272,000	13,574,600	47,835,600
FY 2023				
MBO/Lease Requirement	42,581,600	4,272,000	22,500,000	69,353,600
Offset to Debt Service	-	-	(2,922,100)	(2,922,100)
Net MBO Transfer	42,581,600	4,272,000	19,577,900	66,431,500
FY 2024 (year to date)				
MBO/Lease Requirement	33,582,600	-	16,875,000	50,457,600
Offset to Debt Service	-	-	-	-
Net MBO Transfer	33,582,600	-	16,875,000	50,457,600
Life-to-Date				
MBO/Lease Requirement	306,975,504	34,157,100	196,875,000	538,007,604
Offsets	-	-	(31,847,900)	(31,847,900)
Total Water	306,975,504	34,157,100	165,027,100	506,159,704

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Table 7 – DWSD Sewer MBO and Lease Payment Transfer History

	SEWER			
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Sewer
FY 2016 *				
MBO/Lease Requirement	\$ 19,774,300	\$ 2,861,800	\$ 27,500,000	\$ 50,136,100
Offset to Debt Service	-	-	(19,991,500)	(19,991,500)
Total MBO Transfer	19,774,300	2,861,800	7,508,500	30,144,600
FY 2017				
MBO/Lease Requirement	41,535,600	2,862,000	27,500,000	71,897,600
Offset to Debt Service	-	-	-	-
Total MBO Transfer	41,535,600	2,862,000	27,500,000	71,897,600
FY 2018				
MBO/Lease Requirement	60,517,992	2,856,000	27,500,000	90,873,992
Offset to Debt Service	-	-	(9,166,664)	(9,166,664)
Total MBO Transfer	60,517,992	2,856,000	18,333,336	81,707,328
FY 2019				
MBO/Lease Requirement	56,767,920	2,856,000	27,500,000	87,123,920
Offset to Debt Service	-	-	(4,415,000)	(4,415,000)
Total MBO Transfer	56,767,920	2,856,000	23,085,000	82,708,920
FY 2020				
MBO/Lease Requirement	62,343,500	2,856,000	27,500,000	92,699,500
Offset to address shortfall	(7,100,000)	-	-	(7,100,000)
Offset to Debt Service	-	-	(5,032,700)	(5,032,700)
Total MBO Transfer	55,243,500	2,856,000	22,467,300	80,566,800
FY 2021				
MBO/Lease Requirement	69,915,700	2,856,000	27,500,000	100,271,700
Offset to Debt Service	-	-	(3,257,200)	(3,257,200)
Total MBO Transfer	69,915,700	2,856,000	24,242,800	97,014,500
FY 2022				
MBO/Lease Requirement	61,301,000	2,856,000	27,500,000	90,735,453
Offset to Debt Service	-	-	(5,529,297)	(4,607,750)
Total MBO Transfer	61,301,000	2,856,000	21,970,703	86,127,703
FY 2023				
MBO/Lease Requirement	51,396,400	2,856,000	27,500,000	81,752,400
Offset to Debt Service	-	-	(4,388,300)	(4,388,300)
Total MBO Transfer	51,396,400	2,856,000	23,111,700	77,364,100
FY 2024 (year to date)				
MBO/Lease Requirement	41,779,274	-	20,625,003	62,404,277
Offset to Debt Service	-	-	-	-
Total MBO Transfer	41,779,274	-	20,625,003	62,404,277
Life-to-Date				
MBO/Lease Requirement	465,331,686	22,859,800	240,625,003	727,894,942
Offsets	(7,100,000)	-	(51,780,661)	(57,959,114)
Total Sewer	458,231,686	22,859,800	188,844,342	669,935,828

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



This report includes the following:

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

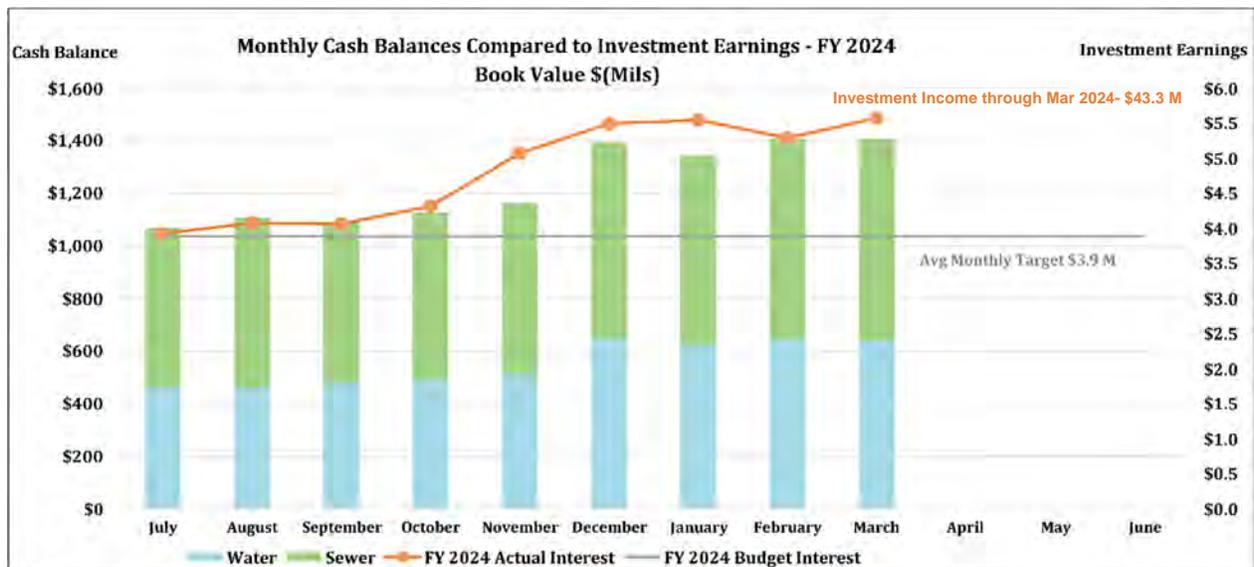
Monthly Cash Balances Compared to Investment Income

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

Cash and investment balances change each month based on Master Bond Ordinance (MBO) funding requirements, operational needs, capital spending pace, and mandatory debt payments. Investment income fluctuates monthly based on cash and investment balances as well as market conditions and investment strategy. For the month of March 2024, GLWA earned investment income of \$5.6 million and cumulative FY 2024 earnings through March 2024 of \$43.3 million. Total investment income reported includes earnings from revenue requirement funds as well as construction bond funds.

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

Chart 1 – Monthly Cash Balances Compared to Investment Income – Through March 2024



\$(Mils)	July	August	September	October	November	December	January	February	March	April	May	June
Water	\$466	\$459	\$481	\$492	\$513	\$651	\$623	\$645	\$640	-	-	-
Sewer	\$602	\$649	\$609	\$635	\$650	\$743	\$722	\$764	\$769	-	-	-
Total	\$1,068	\$1,107	\$1,090	\$1,127	\$1,162	\$1,393	\$1,346	\$1,409	\$1,409	-	-	-
Investment Income	\$3.9	\$4.1	\$4.1	\$4.3	\$5.1	\$5.5	\$5.5	\$5.3	\$5.6	-	-	-

Cash Balance Detail

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

Funds Held Within Trust:

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

Funds Held Outside Trust:

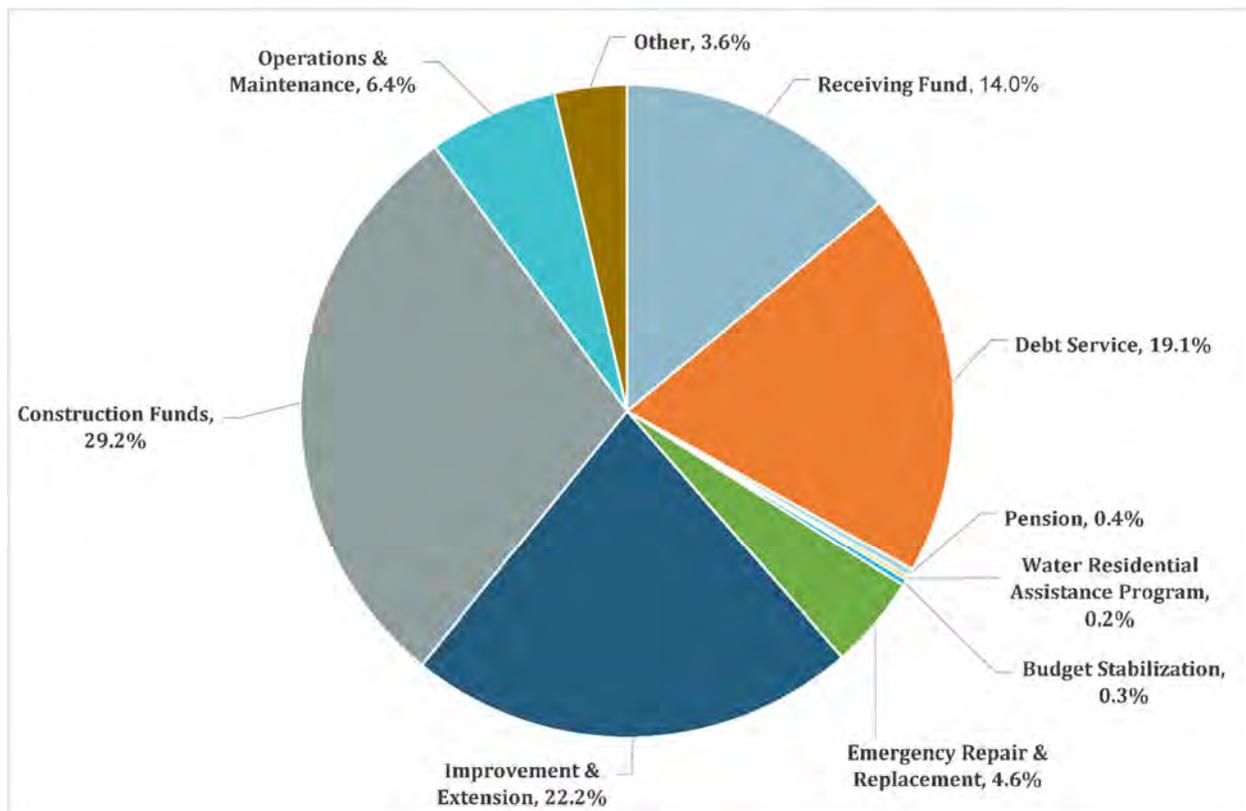
- Bond Proceeds – funds raised from debt issuance used for costs of repairs, construction, and improvements of the regional system
- Operations & Maintenance (O&M) – funds used to meet the operational and maintenance requirements of the regional system
- Other – retainage funds held on behalf of contractors, security deposit funds held on behalf of the City of Flint, and capital contribution funds provided by the Evergreen Farmington Sewer District recognized as related project work is completed

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

Chart 2 – Cash Balances - Water Funds as of March 2024 - Shows the allocation of the balance among the different categories defined in the section above. The total cash balance for Water Funds as of March 31, 2024 is \$640 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.

GLWA completed a bond transaction of \$148.5 million in December 2023 to support water system improvements. These funds along with I&E and SRF low-interest loans are funding the capital program.

Chart 2 – Cash Balances - Water Funds as of March 2024

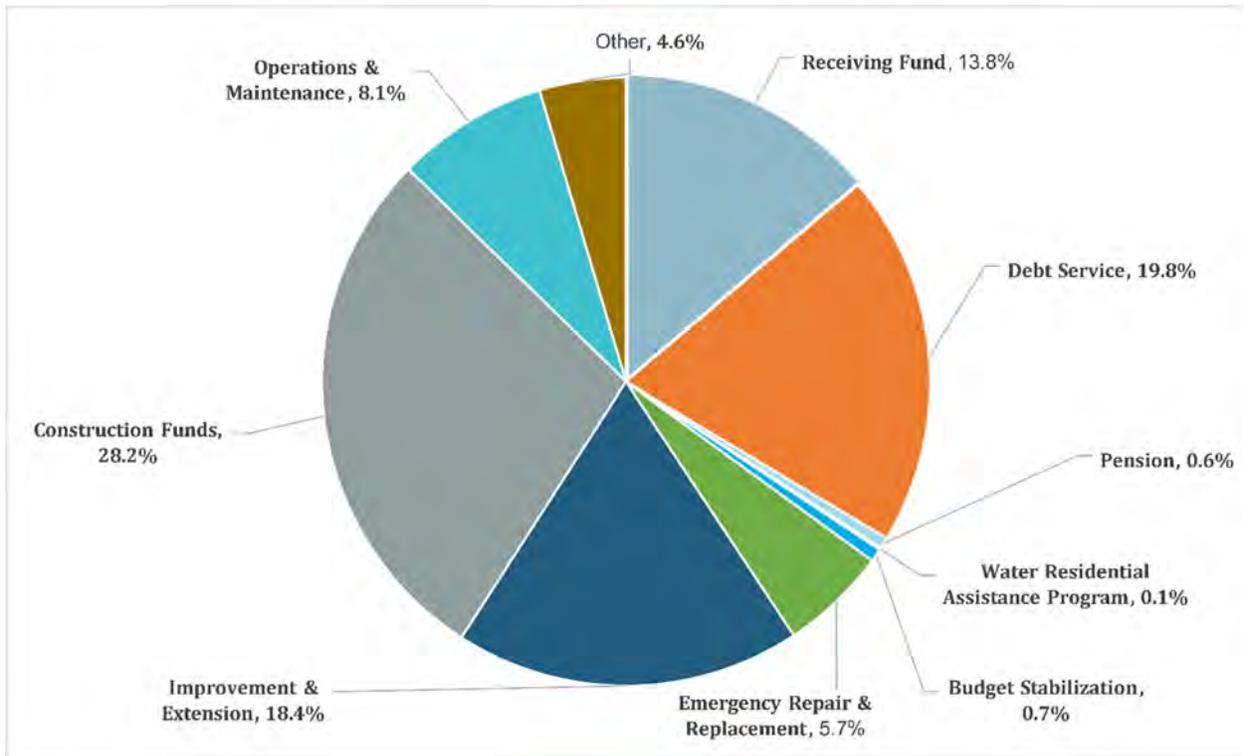


Note: Due to rounding totals may not equal 100%.

Chart 3 – Cash Balances - Sewer Funds as of March 2024 - Shows the allocation of the balance among the different funds defined in the section above. The total cash balance for Sewer Funds as of March 31, 2024 is \$769 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.

In conjunction with the Water Fund transaction, GLWA completed a bond transaction of \$96.8 million in December 2023 to support sewage disposal system improvements. These funds along with I&E and SRF low-interest loans are currently funding the capital program.

Chart 3 – Cash Balances - Sewer Funds as of March 2024



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 2024 water usage and billed revenue which are provided by DWSD staff. As of March 31, 2024, the DWSD usage was at 104.47% of the budget and billed revenue was at 104.78% 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 2024 - Original Budget		FY 2024 - Actual		FY 2024 - Variance		FY 2023 - Actuals	
	Volume	Revenue	Volume	Revenue (2)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	239,000	12,068,200	248,307	12,606,397	9,307	538,197	244,749	9,490,589
August	237,000	11,985,000	255,079	12,913,868	18,079	928,868	277,313	13,301,941
September	246,000	12,236,000	214,796	11,119,261	(31,204)	(1,116,739)	234,806	11,591,601
October	216,000	11,118,000	222,908	11,409,427	6,908	291,427	239,062	11,730,809
November	205,000	10,664,000	210,687	10,898,684	5,687	234,684	212,663	10,706,519
December	196,000	10,293,000	214,139	11,246,818	18,139	953,818	222,502	11,073,513
January	197,000	10,334,000	224,414	11,263,184	27,414	929,184	227,748	11,257,742
February	208,000	10,788,000	225,041	11,774,408	17,041	986,408	208,568	10,569,468
March	191,000	10,086,000	206,204	11,096,805	15,204	1,010,805	229,264	11,383,630
April	214,000	11,036,000					198,665	10,121,640
May	186,000	10,000,000					241,525	11,820,301
June	225,000	11,489,000					257,749	12,567,250
Total	2,560,000	132,097,200	2,021,576	104,328,851	86,576	4,756,651	2,794,614	135,615,003
Subtotals ytd	1,935,000	99,572,200	2,021,576	104,328,851	86,576	4,756,651		
Achievement of Budget			104.47%	104.78%				

(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
April	9,417,449	7,431,900	1,985,549	26.72%
May	12,162,719	7,660,852	4,501,867	58.76%
June	13,467,858	9,123,179	4,344,679	47.62%
July	5,943,286	8,518,373	(2,575,087)	-30.23%
August	11,794,131	9,636,219	2,157,912	22.39%
September	9,790,065	5,082,383	4,707,682	92.63%
October	9,884,937	13,082,745	(3,197,808)	-24.44%
November	10,499,606	10,270,582	229,024	2.23%
December	13,663,688	11,630,994	2,032,694	17.48%
January	8,506,008	8,857,268	(351,261)	-3.97%
February	8,996,740	8,244,713	752,027	9.12%
March	15,842,538	10,417,832	5,424,705	52.07%
Rolling, 12-Month Total	129,969,023	109,957,040		
Rolling, 12-Month Average	10,830,752	9,163,087		

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

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 2024 sewer billed revenue which are provided by DWSD staff. As of March 31, 2024, the DWSD usage was at 101.16% of the budget and billed revenue was at 98.43% 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 2024 - Original Budget		FY 2024 - Actual		FY 2024 - Variance		FY 2023 - Actuals	
	Volume	Revenue	Volume (2)	Revenue (3)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	200,000	29,187,700	207,574	29,192,723	7,574	5,023	223,661	29,297,748
August	199,000	29,128,000	211,503	29,278,720	12,503	150,720	231,809	29,640,202
September	203,000	29,340,000	178,576	27,476,376	(24,424)	(1,863,624)	197,455	27,523,933
October	182,000	28,119,000	184,383	27,700,095	2,383	(418,905)	194,154	27,375,180
November	172,000	27,526,000	175,498	26,939,338	3,498	(586,662)	172,579	26,525,064
December	165,000	27,111,000	156,164	26,546,712	(8,836)	(564,288)	174,896	26,676,360
January	166,000	27,170,000	182,643	26,882,316	16,643	(287,684)	175,562	26,403,544
February	175,000	27,704,000	179,551	27,455,736	4,551	(248,264)	160,804	25,814,735
March	161,000	26,873,000	165,992	26,725,597	4,992	(147,403)	181,217	26,720,229
April	179,000	27,941,000					167,727	26,120,878
May	160,000	26,839,000					195,191	27,508,373
June	188,000	28,475,000					206,163	28,018,277
Total	2,150,000	335,413,700	1,641,884	248,197,613	18,884	(3,961,087)	2,281,218	327,624,524
Subtotals ytd	1,623,000	252,158,700	1,641,884	248,197,613	18,884	(3,961,087)		
Achievement of Budget/Goal			101.16%	98.43%				

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

(2) Reflects billed volume based on actual usage except for residential customers where the billed volume differs from actual usage due to residential sewer volume caps implemented in FY 2023.

(3) Retail Revenues include Miscellaneous Revenues and Penalties

Table 4 – DWSD Retail Sewer Collections

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
April	21,542,671	22,115,076	(572,405)	-2.59%
May	24,419,561	20,952,592	3,466,969	16.55%
June	23,769,626	25,922,279	(2,152,653)	-8.30%
July	32,379,222	30,935,343	1,443,879	4.67%
August	25,391,891	26,064,896	(673,005)	-2.58%
September	23,489,448	15,261,467	8,227,981	53.91%
October	21,610,149	28,182,933	(6,572,784)	-23.32%
November	25,951,736	21,994,899	3,956,838	17.99%
December	23,249,973	23,756,153	(506,180)	-2.13%
January	26,248,512	23,760,629	2,487,883	10.47%
February	24,230,304	23,867,073	363,230	1.52%
March	26,438,687	30,697,464	(4,258,777)	-13.87%
Rolling 12-Month Total	298,721,780	293,510,804		
Rolling, 12-Month Average	24,893,482	24,459,234		

DWSD Retail Water and Sewer Accounts Receivable Aging Report

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

Table 5 is a summary of the monthly sales, total receivables, bad debt allowance and net water and sewer receivables as of March 31, 2024 with comparative totals from June 30, 2023, June 30, 2022, and June 30, 2021. This table does not include past due accounts that have been transferred to the City of Detroit for collection as tax liens.

The table provides a comparison of days in accounts receivable calculated as net receivables divided by daily sales and confirms that over time days in AR is held in check overall due to a consistent practice of adjusting the allowance for doubtful accounts monthly. To the extent this allowance is adjusted, and bad debt expense is recognized in the DWSD budget, it does not impact GLWA.

Table 6 is a summary of the total, current and non-current water and sewer receivables by category as of March 31, 2024 with comparative totals from March 31, 2023. This table does not include past due accounts that have been transferred to the City of Detroit for collection as tax liens.

The total balance and total bad debt allowance as of March 31, 2024 are reflective of the values in both the Table 5 summary and Table 6 breakdown.

Table 5 – DWSD Retail Accounts Receivable Aging Report – Summary

Summary						
Period Ending	Monthly Sales	Receivables			Days in AR (1)	
		Total	Allowance	Net		
June 30, 2021	\$ 36,335,000	\$ 248,055,000	\$ (200,146,000)	\$ 47,909,000	40	
June 30, 2022	\$ 39,022,000	\$ 300,346,000	\$ (253,924,000)	\$ 46,422,000	36	
June 30, 2023	\$ 39,443,000	\$ 327,023,000	\$ (272,012,000)	\$ 55,011,000	42	
March 31, 2024 (2)	\$ 38,960,000	\$ 311,974,000	\$ (251,909,000)	\$ 60,065,000	46	

Totals may be off due to rounding

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

(2) The annual AR Tax Roll Transfer totaling \$22,892,000 was made in October 2023.

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

Sales Class	# of Accounts	Avg.		Current	> 30 Days	> 60 Days	> 180 Days	A/R Balance
		Balance						
Residential	218,646	\$ 855.29	\$ 15,766,000	\$ 12,454,000	\$ 31,779,000	\$ 127,005,000	\$ 187,005,000	
			8.4%	6.7%	17.0%	67.9%	100.0%	
Commercial	21,307	1,277.31	7,345,000	2,601,000	5,799,000	11,471,000	27,216,000	
			27.0%	9.6%	21.3%	42.1%	100.0%	
Industrial	3,675	3,637.63	5,575,000	853,000	2,098,000	4,842,000	13,368,000	
			41.7%	6.4%	15.7%	36.2%	100.0%	
Tax Exempt	3,820	644.56	550,000	212,000	508,000	1,193,000	2,462,000	
			22.3%	8.6%	20.6%	48.4%	100.0%	
Government	46,533	487.00	4,630,000	1,416,000	1,422,000	15,194,000	22,661,000	
			20.4%	6.2%	6.3%	67.0%	100.0%	
Drainage	44,992	590.24	2,147,000	1,237,000	4,179,000	18,993,000	26,556,000	
			8.1%	4.7%	15.7%	71.5%	100.0%	
Subtotal - Active Accounts	338,973	\$ 823.87	\$ 36,013,000	\$ 18,773,000	\$ 45,785,000	\$ 178,698,000	\$ 279,269,000	
			12.9%	6.7%	16.4%	64.0%	100.0%	
Inactive Accounts	353,297	92.57	165,000	238,000	1,274,000	31,028,000	32,705,000	
			0.5%	0.7%	3.9%	94.9%	100.0%	
Total	692,270	\$ 450.65	\$ 36,178,000	\$ 19,011,000	\$ 47,059,000	\$ 209,725,000	\$ 311,974,000	
<i>% of Total A/R</i>			11.6%	6.1%	15.1%	67.2%	100.0%	
Water Fund	189,007	338.52	\$ 10,321,000	\$ 5,001,000	\$ 10,420,000	\$ 38,240,000	\$ 63,982,000	
Sewer Fund	234,683	1,056.71	\$ 25,857,000	\$ 14,010,000	\$ 36,640,000	\$ 171,485,000	\$ 247,991,000	
Total March 31, 2024 (a)	692,270	\$ 450.65	\$ 36,178,000	\$ 19,011,000	\$ 47,059,000	\$ 209,725,000	\$ 311,974,000	
Water Fund- Allowance							\$ (48,345,000)	
Sewer Fund- Allowance							\$ (203,564,000)	
Total Bad Debt Allowance							\$ (251,909,000)	
Comparative - March 2023 (b)	518,943	\$ 621.83	\$ 47,758,000	\$ 13,225,000	\$ 43,371,000	\$ 218,342,000	\$ 322,696,000	
Difference (a) - (b)	173,327		\$ (11,580,000)	\$ 5,786,000	\$ 3,688,000	\$ (8,617,000)	\$ (10,723,000)	

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024



The Monthly Wholesale Billings and Collections Report includes the following.

1. Wholesale Water Billings and Collections
2. Wholesale Sewer Billings and Collections

Wholesale Water Billings and Collections

Wholesale Water Contracts: Great Lakes Water Authority (GLWA) provides wholesale water service to 86 member-partners through a variety of service arrangements.

Service Arrangement Type

Model Contracts	85
Emergency	0
No Contracts	<u>1</u>
Total	<u>86</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 2024 water billed usage and revenues. As of March 31, 2024, the billed usage was at 95.30% of the original plan and billed revenue at 98.15% of the original plan. Billings and usage from the City of Flint are included as they were assumed in the FY 2024 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. Current year collections are trending above the prior year for the twelve-month period ending March 31, 2024.



Table 1 – FY 2024 Wholesale Water Billings Report

WHOLESALE WATER CHARGES								
Month (1)	FY 2024 Charges (2)		FY 2024 Actual		FY 2024 Variance		FY 2023 Actuals	
	Volume	Revenue	Volume	Revenue (4)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	1,607,433	34,283,300	1,396,012	31,956,320	(211,421)	(2,326,980)	1,664,936	34,349,872
August	1,469,739	32,797,900	1,295,617	30,947,078	(174,122)	(1,850,822)	1,418,347	31,555,444
September	1,284,305	30,543,500	1,212,814	29,862,077	(71,491)	(681,423)	1,308,481	30,306,713
October	1,037,450	27,748,500	1,043,901	27,856,141	6,451	107,641	1,055,245	27,391,089
November	898,776	26,395,000	899,934	26,481,380	1,158	86,380	906,669	25,911,801
December	966,122	26,990,700	947,841	26,904,465	(18,281)	(86,235)	990,177	26,652,607
January	963,772	27,002,600	984,406	27,231,881	20,634	229,281	979,573	26,536,118
February	874,396	26,142,700	877,428	26,143,840	3,032	1,140	869,843	25,535,320
March	960,207	26,930,300	930,938	26,675,356	(29,269)	(254,944)	961,541	26,356,490
April	917,893	26,581,600	-	-	-	-	917,599	25,997,955
May	1,136,342	29,098,000	-	-	-	-	1,169,448	28,895,975
June	1,460,066	32,678,300	-	-	-	-	1,570,958	33,407,419
Total	13,576,500	347,192,400	9,588,891	254,058,538	(473,309)	(4,775,962)	13,812,817	342,896,802
<i>Subtotals ytd</i>	<i>10,062,200</i>	<i>258,834,500</i>	<i>9,588,891</i>	<i>254,058,538</i>	<i>(473,309)</i>	<i>(4,775,962)</i>		
<i>Achievement of Original Plan</i>			<i>95.30%</i>	<i>98.15%</i>				
<i>Billing Adjustments (5)</i>			<i>8,009</i>	<i>109,342</i>				
			<i>9,596,900</i>	<i>254,167,880</i>				
			<i>100.53%</i>	<i>100.03%</i>				

- (1) Figures are stated as "Service Months"; that is, July figures represent bills issued in August, etc.
- (2) Charges are based on the approved FY 2024 water supply system charge schedule.
- (3) Reflects approved budget amendments related to commodity usage
- (4) Water Revenues differ from Table 1A because amounts are reduced by the monthly payment to the City of Flint for a license to raw water rights under the Flint Raw Water Contract in Table 1A
- (5) Reflects prior period adjustments made in the current year for Madison Heights.

Table 2 - Wholesale Water Collections

Water				
Month	Current Year	Prior Year	Variance	Ratio
April	20,940,451	21,726,941	(21,726,941)	-100.00%
May	29,265,308	27,717,969	1,547,339	5.58%
June	29,370,704	26,379,503	2,991,201	11.34%
July	22,645,008	14,435,092	8,209,916	56.87%
August	36,275,672	41,154,992	(4,879,320)	-11.86%
September	29,955,755	21,887,632	8,068,123	36.86%
October	26,617,271	38,029,648	(11,412,377)	-30.01%
November	35,490,010	30,903,329	4,586,681	14.84%
December	28,246,829	34,298,469	(6,051,640)	-17.64%
January	24,448,936	19,182,054	5,266,882	27.46%
February	29,100,065	26,553,529	2,546,536	9.59%
March	24,740,554	26,074,213	(1,333,659)	-5.11%
Rolling 12-Month Total	337,096,564	328,343,370		
Rolling, 12-Month Average	28,091,380	27,361,948		

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

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 Contracts	14
Emergency	0
Older Contracts	<u>4</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 2024 sewer billed revenue. As of March 31, 2024 the billed revenue is at 100.00% of the original plan.

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

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

The shift in wholesale sewer collection patterns is largely attributable to the timing of payments received. There are several large accounts whose payments swing between the end of the current month and the beginning of the next month. Current year collections are trending above the twelve-month period ending March 31, 2024.

Table 3 – FY 2024 Wholesale Sewer Billings Report

WHOLESALE SEWER CHARGES								
Month (1)	FY 2024 Charges		FY 2024 - Actual		FY 2024 - Variance		FY 2023 - Actuals	
	Volume (2)	Revenue	Volume (2)	Revenue	Volume (2)	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
August	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
September	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
October	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
November	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
December	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
January	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
February	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
March	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
April	N/A	23,494,800	N/A	0	N/A	-	N/A	22,888,100
May	N/A	23,494,800	N/A	0	N/A	-	N/A	22,888,100
June	N/A	23,494,800	N/A	0	N/A	-	N/A	22,888,100
Total		281,937,600		211,453,200		-		274,657,200
Subtotals ytd		211,453,200		211,453,200		-		
Achievement of Budget						100.00%		

(1) Figures are stated as "Service Months"; that is, July figures represent bills issued in August, etc.
 (2) Not tracked as part of the wholesale sewer charges.

Table 4 - Wholesale Sewer Collections

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
April	17,769,710	19,937,558	(2,167,848)	-10.87%
May	18,213,966	10,226,700	7,987,266	78.10%
June	38,287,549	29,659,245	8,628,304	29.09%
July	22,331,831	28,223,515	(5,891,684)	-20.88%
August	22,377,366	21,036,661	1,340,705	6.37%
September	18,770,419	22,244,437	(3,474,018)	-15.62%
October	23,107,016	24,707,249	(1,600,233)	-6.48%
November	27,958,885	19,882,939	8,075,946	40.62%
December	21,351,498	18,314,222	3,037,276	16.58%
January	21,117,470	17,636,972	3,480,498	19.73%
February	27,856,400	33,102,769	(5,246,369)	-15.85%
March	23,460,900	23,746,469	(285,569)	-1.20%
Rolling 12-Month Total	282,603,011	268,718,736		
Rolling, 12-Month Average	23,550,251	22,393,228		



The Monthly Trust Receipts & Disbursements Report includes the following.

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

GLWA Trust Receipts & Disbursements

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

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

Table 1 – GLWA Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2024 reflects nine months of activity to date.

Water fund receipts exceeded required disbursements by 7% through March 31, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 8% since July 1, 2019.

Sewer fund receipts exceeded required disbursements by 3% through March 31, 2024 in line with the four-year historical average ratio of required receipts exceeding disbursements by 6% since July 1, 2019.

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 2020	FY 2021	FY 2022	FY 2023	FY 2024 Thru Mar 31
Water					
1 Receipts	\$ 332,606,196	\$ 336,642,021	\$ 338,117,694	\$ 363,335,474	\$ 286,816,070
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	332,606,196	336,642,021	338,117,694	363,335,474	286,816,070
4 Disbursements	(296,190,425)	(308,713,407)	(316,495,360)	(349,186,375)	(267,251,012)
5 Receipts Net of Required Transfers	36,415,771	27,928,614	21,622,334	14,149,099	19,565,058
6 I&E Transfer	(25,719,751)	(31,991,687)	(26,622,862)	(9,898,100)	(28,618,500)
7 Net Receipts	\$ 10,696,020	\$ (4,063,073)	\$ (5,000,528)	\$ 4,250,999	\$ (9,053,441)
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	112%	109%	107%	104%	107%
Sewer					
9 Receipts	\$ 490,461,356	\$ 472,871,853	\$ 471,979,297	\$ 498,888,416	\$ 378,397,375
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	490,461,356	472,871,853	471,979,297	498,888,416	378,397,375
12 Disbursements	(445,604,952)	(436,600,883)	(450,701,751)	(473,516,238)	(368,827,164)
13 Receipts Net of Required Transfers	44,856,404	36,270,970	21,277,546	25,372,178	9,570,211
14 I&E Transfer	(19,096,200)	(40,504,727)	(37,651,788)	(26,766,200)	(12,468,000)
15 DWSD Shortfall Advance	-	-	-	-	-
16 Shortfall Repayment (principal)	17,542,669	18,206,431	8,296,578	-	-
17 Net Receipts	\$ 43,302,873	\$ 13,972,674	\$ (8,077,664)	\$ (1,394,022)	\$ (2,897,789)
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	110%	108%	105%	105%	103%
Combined					
19 Receipts	\$ 823,067,552	\$ 809,513,874	\$ 810,096,991	\$ 862,223,890	\$ 665,213,445
20 MOU Adjustments	-	-	-	-	-
21 Adjusted Receipts	823,067,552	809,513,874	810,096,991	862,223,890	665,213,445
22 Disbursements	(741,795,377)	(745,314,290)	(767,197,111)	(822,702,613)	(636,078,176)
23 Receipts Net of Required Transfers	81,272,175	64,199,584	42,899,880	39,521,277	29,135,269
24 I&E Transfer	(44,815,951)	(72,496,414)	(64,274,650)	(36,664,300)	(41,086,500)
25 Shortfall Advance	-	-	-	-	-
26 Shortfall Repayment	17,542,669	18,206,431	8,296,578	-	-
27 Net Receipts	\$ 53,998,893	\$ 9,909,601	\$ (13,078,192)	\$ 2,856,977	\$ (11,951,231)
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	111%	109%	106%	105%	105%

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Chart 1 – GLWA 12-Month Net Receipts – Water

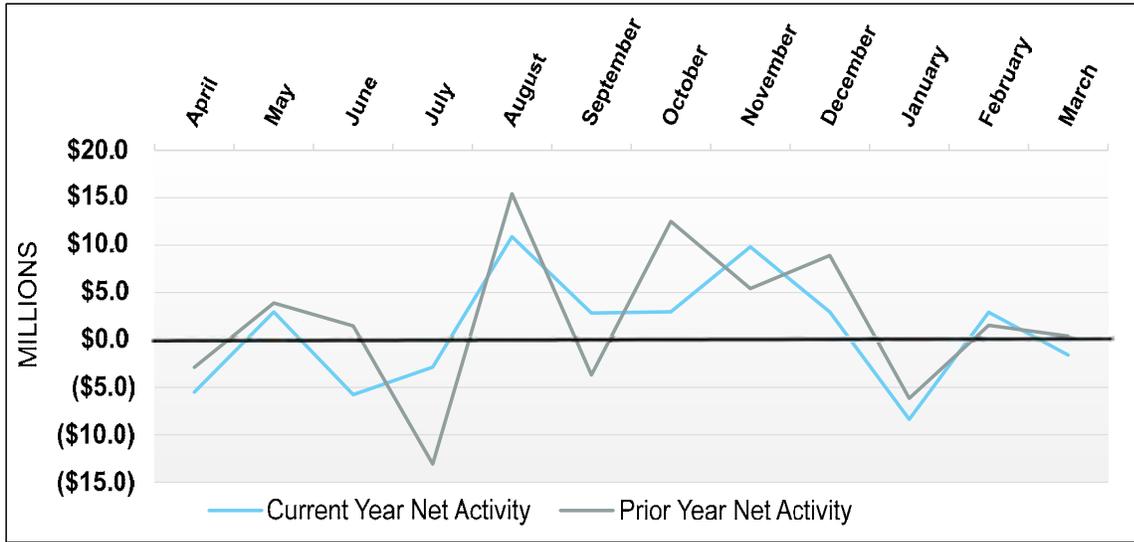
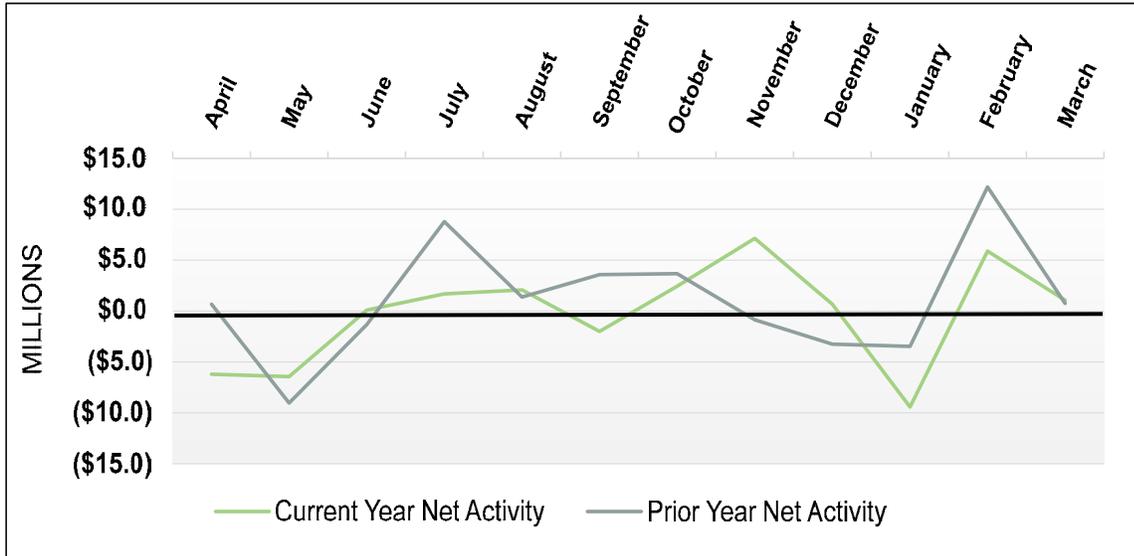


Chart 2 – GLWA 12-Month Net Receipts – Sewer



DWSD Trust Receipts & Disbursements

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

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

Table 2 – DWSD Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2024 reflects nine months of activity to date.

Water fund receipts exceeded required disbursements by 8% through March 31, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 4% since July 1, 2019.

Sewer fund receipts exceeded required disbursements by 6% through March 31, 2024 compared to the four-year historical average of required receipts exceeding disbursements by 3% since July 1, 2019.

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

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024 Thru Mar 31
Water					
1 Receipts	\$ 96,885,723	\$ 102,067,423	\$ 101,964,963	\$ 123,766,624	\$ 94,961,537
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	96,885,723	102,067,423	101,964,963	123,766,624	94,961,537
4 Disbursements	(97,823,097)	(100,707,200)	(94,495,601)	(117,666,100)	(88,277,694)
5 Receipts Net of Required Transfers	(937,374)	1,360,223	7,469,362	6,100,524	6,683,843
6 I&E Transfer	-	-	-	-	-
7 Net Receipts	\$ (937,374)	\$ 1,360,223	\$ 7,469,362	\$ 6,100,524	\$ 6,683,843
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	99%	101%	108%	105%	108%
Sewer					
9 Receipts	\$ 264,689,559	\$ 308,210,767	\$ 291,280,896	\$ 298,896,942	\$ 229,088,075
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	264,689,559	308,210,767	291,280,896	298,896,942	229,088,075
12 Disbursements	(275,507,374)	(295,100,771)	(285,256,000)	(283,095,100)	(216,361,588)
13 Receipts Net of Required Transfers	(10,817,815)	13,109,996	6,024,896	15,801,842	12,726,487
14 I&E Transfer	-	-	-	-	-
15 Shortfall Advance from GLWA	-	-	-	-	-
16 Net Receipts	\$ (10,817,815)	\$ 13,109,996	\$ 6,024,896	\$ 15,801,842	\$ 12,726,487
17 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	96%	104%	102%	106%	106%
Combined					
18 Receipts	\$ 361,575,282	\$ 410,278,190	\$ 393,245,859	\$ 422,663,566	\$ 324,049,612
19 MOU Adjustments	-	-	-	-	-
20 Adjusted Receipts	361,575,282	410,278,190	393,245,859	422,663,566	324,049,612
21 Disbursements	(373,330,471)	(395,807,971)	(379,751,601)	(400,761,200)	(304,639,282)
22 Receipts Net of Required Transfers	(11,755,189)	14,470,219	13,494,258	21,902,366	19,410,330
23 I&E Transfer	-	-	-	-	-
24 Shortfall Advance from GLWA	-	-	-	-	-
25 Net Receipts	\$ (11,755,189)	\$ 14,470,219	\$ 13,494,258	\$ 21,902,366	\$ 19,410,330
26 <i>Ratio of Receipts to Required Disbursements (Line 20/Line 21)</i>	97%	104%	104%	105%	106%

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.

Chart 3 – DWSD 12-Month Net Receipts – Water

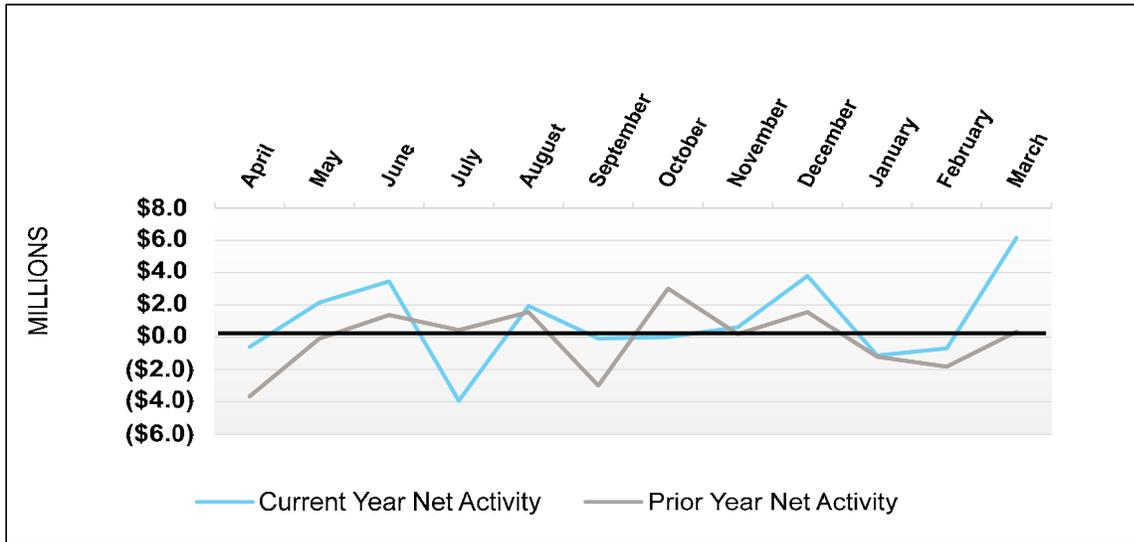
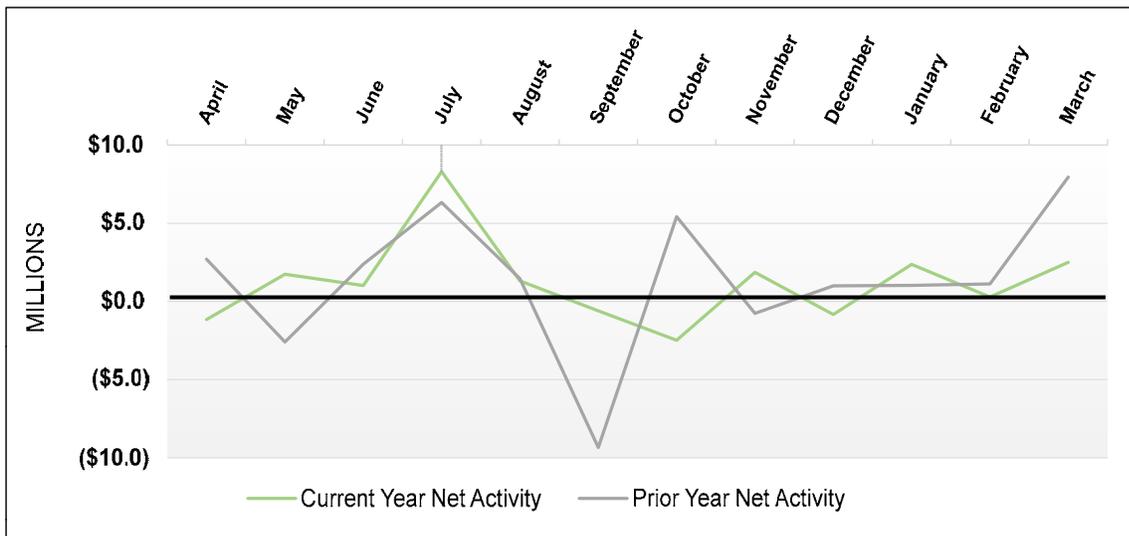


Chart 4 – DWSD 12-Month Net Receipts – Sewer



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 3 – Combined Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2024 reflects nine months of activity to date.

Water fund net receipts exceeded required disbursements by 7% through March 31, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 7% since July 1, 2019.

Sewer fund receipts exceeded required disbursements by 4% through March 31, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 5% since July 1, 2019.

Table 3 – Combined Net Cash Flows from Trust Receipts & Disbursements

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024 Thru Mar 31
Water					
1 Receipts	\$ 429,491,919	\$ 438,709,444	\$ 440,082,657	\$ 487,102,098	\$ 381,777,607
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	429,491,919	438,709,444	440,082,657	487,102,098	381,777,607
4 Disbursements	(394,013,522)	(409,420,607)	(410,990,961)	(466,852,475)	(355,528,706)
5 Receipts Net of Required Transfers	35,478,397	29,288,837	29,091,696	20,249,623	26,248,901
6 I&E Transfer	(25,719,751)	(31,991,687)	(26,622,862)	(9,898,100)	(28,618,500)
7 Net Receipts	\$ 9,758,646	\$ (2,702,850)	\$ 2,468,834	\$ 10,351,523	\$ (2,369,599)
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	109%	107%	107%	104%	107%
Sewer					
9 Receipts	\$ 755,150,915	\$ 781,082,620	\$ 763,260,193	\$ 797,785,358	\$ 607,485,450
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	755,150,915	781,082,620	763,260,193	797,785,358	607,485,450
12 Disbursements	(721,112,326)	(731,701,654)	(735,957,751)	(756,611,338)	(585,188,752)
13 Receipts Net of Required Transfers	34,038,589	49,380,966	27,302,442	41,174,020	22,296,698
14 I&E Transfer	(19,096,200)	(40,504,727)	(37,651,788)	(26,766,200)	(12,468,000)
15 Shortfall Advance	-	-	-	-	-
16 Shortfall Repayment (principal)	17,542,669	18,206,431	8,296,578	-	-
17 Net Receipts	\$ 32,485,058	\$ 27,082,670	\$ (2,052,768)	\$ 14,407,820	\$ 9,828,698
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	105%	107%	104%	105%	104%
Combined					
19 Receipts	\$ 1,184,642,834	\$ 1,219,792,064	\$ 1,203,342,850	\$ 1,284,887,456	\$ 989,263,057
20 MOU Adjustments	-	-	-	-	-
21 Adjusted Receipts	1,184,642,834	1,219,792,064	1,203,342,850	1,284,887,456	989,263,057
22 Disbursements	(1,115,125,848)	(1,141,122,261)	(1,146,948,712)	(1,223,463,813)	(940,717,458)
23 Receipts Net of Required Transfers	69,516,986	78,669,803	56,394,138	61,423,643	48,545,599
24 I&E Transfer	(44,815,951)	(72,496,414)	(64,274,650)	(36,664,300)	(41,086,500)
25 Shortfall Advance	-	-	-	-	-
26 Shortfall Repayment	17,542,669	18,206,431	8,296,578	-	-
27 Net Receipts	\$ 42,243,704	\$ 24,379,820	\$ 416,066	\$ 24,759,343	\$ 7,459,099
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	106%	107%	105%	105%	105%

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

GLWA

Great Lakes Water Authority



Monthly Financial Report Binder

April 2024

**Presented to the
Great Lakes Water Authority
Audit Committee on August 23, 2024**

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Key Financial Metrics

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

Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Staff reviews the need for budget amendments quarterly and requests necessary amendments when required based on the most current information available. Third quarter budget amendments were approved by the Board of Directors at the June 26, 2024 meeting and are reflected in this report.

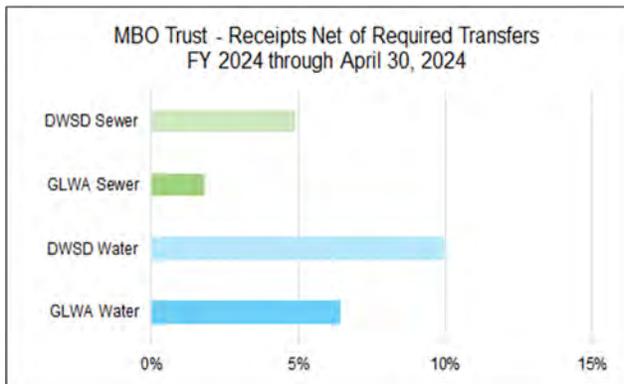
For the current year, water operations and maintenance, water and sewer capital spend, and investment earnings reflect variances to budget outside the normal range. Capital spend variances reflect evolving changes in timing that the Capital Improvement Planning group continues to monitor and review. Operations and maintenance and investment earnings activity is monitored closely and are under review for possible additional budget amendments.

A bond transaction was completed in December 2023 for \$148.5 million to support water system improvements and \$96.8 million to support sewage disposal system improvements.

As of April 30, 2024					
Metric	FY 2024 Budget	FY 2024 Amended Budget	FY 2024 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$285.4	\$280.7	\$280.4	0%	49
Wholesale Water Billed Usage (mcf)	10,980,000	10,463,000	10,476,000	0%	
Wholesale Sewer Billed Revenue (\$M)	\$234.9	\$234.9	\$234.9	0%	51
Wholesale Water Operations & Maintenance (\$M)	\$127.4	\$140.7	\$133.0	-6%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$171.4	\$187.4	\$182.4	-3%	38
Investment Income (\$M)	\$12.8	\$38.8	\$48.8	26%	
Water Prorated Capital Spend w/SRA* (\$M)	\$199.4	\$162.4	\$141.2	-13%	29
Sewer Prorated Capital Spend w/SRA* (\$M)	\$165.9	\$128.6	\$101.4	-21%	30

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

Master Bond Ordinance (MBO) Trust Net Receipts (page 51)



Net cash flow receipts remain positive for GLWA Water and Sewer. This means that all legal commitments of the MBO Trust and the lease payment are fully funded – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water reports a surplus of \$10.8 million and DWSD Sewer reports a surplus of \$12.3 million of net receipts over disbursements through

April 2024.

Budget to Actual Analysis (page 3)

- The FY 2024 information includes the third quarter FY 2024 budget amendments approved by the GLWA Board of Directors on June 26, 2024. These are the final budget amendments for FY 2024.
- The total Revenue Requirements are on target through April 2024.
- The total overall Operations & Maintenance expenses are at 80.1% of budget through April 2024. This positive variance equates to a dollar amount of \$12.8 million.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for April 2024 is \$74.0 million for the Water fund (24.5% of total revenues) and \$98.2 million for the Sewer fund (24.0 % of total revenues).
- Water Net Position increased by \$ 15.8 million, and Sewage Disposal Net Position increased by \$ 42.3 million for the year to date through April 2024.

Capital Improvement Plan Financial Summary (page 28)

- Water system costs incurred to date are below the 79.4% Capital Spend Ratio assumption.
- Sewer system costs incurred to date are below the 70.3% Capital Spend Ratio assumption.

Master Bond Ordinance Transfers (page 31)

- For April, transfers of \$13.8 million and \$18.7 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for April, transfers of \$5.6 million and \$6.9 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 38)

- Total cash & investments are \$648 million for Water and \$779 million in the Sewer fund.
- Total, combined, cumulative, FY 2024 investment income through April is \$48.8 million.

DWSD Retail Revenues, Receivables & Collections (page 42)

- Water revenue through April 30, 2024 is 103.86% and usage is 104.03% of budget.
- Sewer revenue through April 30, 2024 is 98.16% and usage is 101.08% of budget.
- Combined accounts receivable balances for the water and sewer funds report a decrease of \$11.8 million over the prior year.
- Past dues over 180 days make up of 67.5% the total accounts receivable balance. The current bad debt allowance covers over 95.5% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 48)

- GLWA accounts receivable past due balance net of Dearborn is 0.12% of the total accounts receivable balance. Discussions remain underway between GLWA and Dearborn regarding the water balance in dispute.
- Average wholesale water collections for the period of May 2023 through April 2024 are trending above the prior year.
- Average wholesale sewer collections for the period of May 2023 through April 2024 are trending above the prior year.

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



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

1. Revenue Requirements Budget Basis Analysis
2. Operations & Maintenance Budget – Service Area
3. Alignment of Operations & Maintenance Budget Priorities – Expense Variance Analysis

The FY 2024 information presented in these sections includes the third quarter FY 2024 budget amendments approved by the GLWA Board of Directors on June 26, 2024. These are the final budget amendments for FY 2024.

Revenue Requirements Budget Basis Analysis

GLWA's annual revenue requirements represent 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 expenses are largely reported on an accrual basis. The primary difference between the revenue requirements budget basis to the financial reporting basis is the treatment of debt service, legacy pension obligations, and lease related activities. The Revenue Requirements Basis is foundational to GLWA's daily operations, financial plan, and of most interest to key stakeholders.

Table 1A – Water Revenue Requirements Budget and **Table 1B – Sewer Revenue Requirements Budget** presents a year-over-year budget to actual performance report. The revenue requirements budget is accounted for in the operations and maintenance fund for each system. Since this report is for April 2024, the pro-rata benchmark is 83.3% (10 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, total revenues for FY 2024 are above the pro-rata benchmark; the *water* system is at 84.6% while the *sewer* system is at 85.7%. 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 April 30, 2024, these payments total \$5.4 million for FY 2024.

2. **Investment Earnings:** For *both* systems, investment earnings are slightly below the pro-rata benchmark for FY 2024; the *water* system is at 83.0% while the *sewer* system is at 83.2%. Detailed analysis of investment earnings activity to date can be found in the *Cash & Investment Income* section of this financial report binder.

3. **Other Revenues:** These are one-time and unusual items that do not fit an established revenue category. Both the *water* and *sewer* systems actual amount will vary from budget due to the nature of the items recorded in this category. The April 2024 activity includes grants that will be moved from the Operations & Maintenance funds to the Construction funds to match the grant revenue to where the project expense has been recorded: The activity in the *water* system is \$3.7 million (reclassified in May 2024) and in the *sewer* system is \$2.1 million (reclassified in June 2024).
4. **Operations & Maintenance Expense:** Actual expenses¹ for *both* systems are below the pro-rata benchmark for FY 2024 the *water* system is at 78.7% while the *sewer* system O&M expenses is at 81.1%.
5. **Debt Service:** For FY 2024, both systems are slightly above the pro-rata benchmark for debt service; the *water* system is at 83.9% while the *sewer* system is at 83.9%. The activity is based on the payment schedules adjusted for the State Revolving Fund loans that are still being drawn down.
6. **Operating Reserve Deposit:** GLWA has established a target balance in the O&M Fund of 45 days of operating expense which works in tandem with the I&E Funds to provide liquidity to the utility. Adequate funding is in place to meet this requirement; therefore, it is expected that additional transfers to this reserve will not be required in FY 2024.
7. **DWSD Budget Shortfall Pending:** To the extent that the local (DWSD) system experiences budgetary shortfalls as defined by the Water & Sewer Services Agreement, the GLWA budget is impacted.² Steps to proactively detect, and ideally prevent, this shortfall scenario were put into place with the 2018 Memorandum of Understanding (dated June 27, 2018). For FY 2023, DWSD ended the year with positive net cash flows for both the DWSD *water* system and the DWSD *sewer* system. For FY 2024, neither the DWSD *water* system nor the DWSD *sewer* system have a budgetary shortfall through April 30, 2024. GLWA and DWSD staff meet regularly to discuss steps to mitigate shortfalls, when they occur, as outlined in the 2018 MOU.
8. **Improvement & Extension (I&E) Fund Transfer Pending:** The contribution to the I&E Fund is for improvements, enlargements, extensions, or betterment of the *water* and *sewer* systems.
9. **Other Revenue Requirements:** The remaining revenue requirements for *both* systems are funded on a 1/12th basis each month in accordance with the Master Bond Ordinance.
10. **Overall:** Total revenue requirements for *both* systems are in line with the benchmark.

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

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

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024



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

	FY 2023 Amended Budget	FY 2023 Activity Thru 4/30/2023	Percent Year-to- Date at 4/30/2023	FY 2024 Board Adopted Budget	FY 2024 Amended Budget	FY 2024 Activity Thru 4/30/2024	Percent Year-to- Date at 4/30/2024
Water System							
Revenues							
Suburban Wholesale Customer Charges	\$ 333,856	\$ 275,404	82.5%	\$ 340,541	\$ 328,203	\$ 274,501	83.6%
Retail Service Charges	22,834	19,037	83.4%	25,537	25,537	21,281	83.3%
Investment Earnings	9,670	6,513	67.4%	4,062	18,051	14,974	83.0%
Other Revenues	995	980	98.5%	175	943	4,476	474.7%
Total Revenues	\$ 367,356	\$ 301,934	82.2%	\$ 370,315	\$ 372,734	\$ 315,232	84.6%
Revenue Requirements							
Operations & Maintenance Expense	\$ 156,748	\$ 124,924	79.7%	\$ 152,906	\$ 168,873	\$ 132,957	78.7%
General Retirement System Legacy Pension	6,048	5,040	83.3%	-	-	-	0.0%
Debt Service	150,055	127,878	85.2%	159,483	162,236	136,078	83.9%
General Retirement System Accelerated Pension	6,268	5,224	83.3%	3,396	1,506	1,506	100.0%
Extraordinary Repair & Replacement Deposit	200	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	1,771	1,475	83.3%	1,852	1,852	1,543	83.3%
Regional System Lease	22,500	18,750	83.3%	22,500	22,500	18,750	83.3%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall Pending	-	-	0.0%	-	-	-	0.0%
Improvement & Extension Fund Transfer Pending	23,766	23,714	99.8%	30,178	15,768	17,990	114.1%
Total Revenue Requirements	\$ 367,356	\$ 307,005	83.6%	\$ 370,315	\$ 372,734	\$ 308,824	82.9%
Net Difference		\$ (5,071)				\$ 6,408	
<i>Recap of Net Positive Variance</i>							
<i>Revenue Variance</i>		\$ (4,196)				\$ 4,620	
<i>Revenue Requirement Variance</i>		(875)				1,788	
<i>Overall Variance</i>		\$ (5,071)				\$ 6,408	

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

	FY 2023 Amended Budget	FY 2023 Activity Thru 4/30/2023	Percent Year-to- Date at 4/30/2023	FY 2024 Board Adopted Budget	FY 2024 Amended Budget	FY 2024 Activity Thru 4/30/2024	Percent Year-to- Date at 4/30/2024
Sewer System							
Revenues							
Suburban Wholesale Customer Charges	\$ 274,907	\$ 229,697	83.6%	\$ 282,688	\$ 267,879	\$ 234,803	87.7%
Retail Service Charges	191,042	159,202	83.3%	196,570	196,570	163,808	83.3%
Industrial Waste Control Charges	8,420	6,988	83.0%	8,584	8,560	7,206	84.2%
Pollutant Surcharges	4,951	3,980	80.4%	5,328	5,328	3,097	58.1%
Investment Earnings	13,532	8,981	66.4%	7,057	22,882	19,048	83.2%
Other Revenues	2,355	2,195	93.2%	400	1,130	2,659	235.3%
Total Revenues	\$ 495,207	\$ 411,042	83.0%	\$ 500,627	\$ 502,349	\$ 430,621	85.7%
Revenue Requirements							
Operations & Maintenance Expense	\$ 204,123	\$ 165,960	81.3%	\$ 205,644	\$ 224,874	\$ 182,389	81.1%
General Retirement System Legacy Pension	10,824	9,020	83.3%	-	-	-	0.0%
Debt Service	212,509	179,238	84.3%	228,328	230,976	193,837	83.9%
General Retirement System Accelerated Pension	11,621	9,684	83.3%	6,479	3,097	3,097	100.0%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	2,394	1,995	83.3%	2,503	2,503	2,086	83.3%
Regional System Lease	27,500	22,917	83.3%	27,500	27,500	22,917	83.3%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall Pending	-	-	0.0%	-	-	-	0.0%
Improvement & Extension Fund Transfer Pending	26,237	22,084	84.2%	30,173	13,400	20,778	155.1%
Total Revenue Requirements	\$ 495,207	\$ 410,897	83.0%	\$ 500,627	\$ 502,349	\$ 425,104	84.6%
Net Difference		\$ 145				\$ 5,517	
<i>Recap of Net Positive Variance</i>							
<i>Revenue Variance</i>		\$ (1,630)				\$ 11,997	
<i>Revenue Requirement Variance</i>		1,775				(6,480)	
<i>Overall Variance</i>		\$ 145				\$ 5,517	

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Operations & Maintenance Budget – Service Area

The year-over-year benchmark ratio as of April 30, 2024, is 83.3% (ten months). When comparing FY 2024 to FY 2023 in **Table 2 – Operations & Maintenance Budget – Service Area**, the overall spending is higher in FY 2024.

In addition to the four service areas, 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 – Service Area – (\$000)

Service Area	FY 2023 Amended Budget	FY 2023 Activity Thru 4/30/2023	Percent Year-to- Date at 4/30/2023	FY 2024 Board Adopted Budget	FY 2024 Amended Budget	FY 2024 Activity Thru 4/30/2024	Percent Year-to- Date at 4/30/2024
A Water System Operations	\$ 85,337	\$ 69,518	81.5%	\$ 82,733	\$ 90,810	\$ 70,855	78.0%
B Wastewater System Operations	136,348	113,706	83.4%	132,934	146,722	120,669	82.2%
C Centralized Services	104,503	81,249	77.7%	106,901	117,468	94,251	80.2%
D Administrative & Other Services	34,682	26,412	76.2%	35,983	38,747	29,572	76.3%
Employee Benefits	-	-	0.0%	-	-	-	0.0%
Total O&M Budget	\$ 360,870	\$ 290,885	80.6%	\$ 358,550	\$ 393,747	\$ 315,346	80.1%

Totals may be off due to rounding

Alignment of Operations & Maintenance Budget Priorities – Expense Variance Analysis

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

Total: In total, the overall O&M expenses are at 80.1% which is below the pro-rata benchmark of 83.3%. This positive variance equates to a dollar amount of \$12.8 million. The expense category commentary is provided below for items highlighted on Table 3.

Personnel Costs: The overall category is slightly below the pro-rata benchmark; coming in at 81.9% through April 2024.

Utilities: The overall category is slightly below the pro-rata benchmark; coming in at 81.8% through April 2024. Variances within this category, when they occur, are not unexpected as usage varies throughout the year.

- **Electric** is slightly below the pro-rata benchmark, coming in at 81.5%. It should be noted that variances are not unexpected as usage varies throughout the year. 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 79.9% which is below the benchmark of 83.3%. Variances within this category are not unexpected as usage varies throughout the year. The FY 2024 budget was adjusted for both usage and the cost of natural gas MMBTU.
- **Sewage service** is slightly lower than the benchmark, coming in at 83.0%.
- **Water service** is slightly above the benchmark, coming in at 84.1%. As meters have been repaired or replaced at the WRRF, the billings that previously reported estimated readings have been replaced with actual readings. The actual readings have been coming in higher than the estimated billings. In addition, a new water billing structure was implemented in early FY 2023 which has resulted in an increase in the water billing rate. The FY 2024 budget was adjusted for the increased meter readings and billing rate.

Chemicals: This category is lower than the benchmark; coming in at 76.2% through April 2024. The FY 2024 budget was amended for the increase in chemical costs and this category continues to be closely monitored. Variances within this category are not unexpected as usage varies throughout the year.

Supplies & Other: This category is lower than the pro-rata benchmark; coming in at 77.3% through April 2024. Given that the nature of the items in this category are subject to one-time expenses that do not occur evenly throughout the year, variances are not unexpected. A review of this category is being conducted.

Contractual Services: The overall category is lower than the pro-rata benchmark; coming in at 79.4% through April 2024. 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 are processed for those projects in which the actual start dates have been delayed from that in which they were budgeted.

Capital Program Allocation: This category is lower than the benchmark; coming in at 81.1% through April 2024. The amount in the Capital Program Allocation account is shown as negative as this is a "contra" account which represents an offset to the Personnel Costs section of the Operations & Maintenance (O&M) budget.

Shared Services: This category is higher than the benchmark; coming in at 87.0% through April 2024. The shared services reimbursement is comprised of both labor (tracked via BigTime) and expenses, such as annual fees for software licensing. Staff from both GLWA and DWSD have been working together to evaluate and refine the budget for the shared services agreements. Based on these evaluations, adjustments have been made to both the billings and accounting accruals to reflect the forecasted activity more accurately for FY 2024. In addition, it is important to note that some of the shared services agreements are not billed at a monthly rate of 1/12 of the annual budgeted amount and activity includes true-up billings from prior years.

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

Expense Categories	FY 2023 Amended Budget	FY 2023 Activity Thru 4/30/2023	Percent Year-to- Date at 4/30/2023	FY 2023 Activity Thru 6/30/2023	Percent Year-to- Date at 6/30/2023	FY 2024 Amended Budget	FY 2024		Percent Year-to- Date 4/30/2024	FY 2024 Prorated Amended Budget Less FY 2024 Activity
							FY 2024 Prorated Amended Budget (10 Months)	FY 2024 Activity Thru 4/30/2024		
Entity-wide										
Salaries & Wages	\$ 71,395	\$ 58,650	82.1%	\$ 70,114	83.6%	\$ 77,415	\$ 64,512	\$ 63,653	82.2%	\$ 860
Workforce Development	1,326	1,101	83.0%	1,414	77.9%	1,820	1,517	1,547	85.0%	(30)
Overtime	8,411	7,005	83.3%	8,571	81.7%	8,672	7,227	7,549	87.0%	(322)
Employee Benefits	25,582	20,430	79.9%	24,790	82.4%	27,869	23,224	22,383	80.3%	841
Transition Services	9,432	7,228	76.6%	9,920	72.9%	9,877	8,231	7,760	78.6%	471
Employee Benefits Fund	-	-	0.0%	-	0.0%	-	-	-	0.0%	-
<i>Personnel Costs</i>	<u>116,145</u>	<u>94,414</u>	<u>81.3%</u>	<u>114,808</u>	<u>82.2%</u>	<u>125,653</u>	<u>104,710</u>	<u>102,891</u>	<u>81.9%</u>	<u>1,819</u>
Electric	47,963	39,116	81.6%	48,176	81.2%	50,716	42,263	41,343	81.5%	920
Gas	12,042	10,098	83.9%	10,821	93.3%	7,767	6,473	6,205	79.9%	268
Sewage Service	3,028	2,609	86.2%	3,052	85.5%	2,538	2,115	2,106	83.0%	9
Water Service	11,589	9,435	81.4%	15,228	62.0%	12,803	10,669	10,764	84.1%	(95)
<i>Utilities</i>	<u>74,622</u>	<u>61,258</u>	<u>82.1%</u>	<u>77,277</u>	<u>79.3%</u>	<u>73,823</u>	<u>61,520</u>	<u>60,418</u>	<u>81.8%</u>	<u>1,102</u>
Chemicals	29,525	24,597	83.3%	30,542	80.5%	32,824	27,353	24,996	76.2%	2,358
Supplies & Other	36,163	29,568	81.8%	35,766	82.7%	45,364	37,803	35,065	77.3%	2,738
Contractual Services	106,625	83,779	78.6%	108,726	77.1%	120,914	100,762	96,026	79.4%	4,736
Capital Program Allocation	(2,135)	(1,777)	83.2%	(2,190)	81.1%	(2,624)	(2,187)	(2,129)	81.1%	(58)
Shared Services	(1,571)	(956)	60.8%	(3,270)	29.2%	(2,207)	(1,839)	(1,920)	87.0%	81
Unallocated Reserve	1,497	-	0.0%	-	0.0%	-	-	-	0.0%	-
Total Expenses	<u>\$ 360,870</u>	<u>\$ 290,884</u>	<u>80.6%</u>	<u>\$ 361,658</u>	<u>80.4%</u>	<u>\$ 393,747</u>	<u>\$ 328,122</u>	<u>\$ 315,346</u>	<u>80.1%</u>	<u>\$ 12,776</u>
<i>Totals may be off due to rounding</i>										



The Basic Financial Statements report includes the following four tables.

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

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

The June 2023 comparative amounts shown in the tables below are presented based on final audited figures.

Statement of Net Position – All Funds Combined

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

**Table 1 – Statement of Net Position - All Funds Combined
As of April 30, 2024
(\$000)**

	Water	Sewage Disposal	Total Business- type Activities	Comparative June 30, 2023
Assets				
Cash - unrestricted (a)	\$ 181,178	\$ 264,163	\$ 445,341	\$ 482,736
Cash - restricted (a)	213,334	250,122	463,456	470,204
Investments - unrestricted (a)	96,753	98,077	194,830	63,241
Investments - restricted (a)	137,345	178,764	316,109	177,998
Accounts Receivable	81,850	58,016	139,866	171,747
Due from (to) Other Funds (b)	8,872	(8,872)	-	-
Other Assets (c)	666,248	401,276	1,067,524	1,056,956
Cash held FBO DWSD Advance	-	-	-	-
Capital Assets, net of Depreciation	1,154,326	1,897,350	3,051,676	3,229,243
Land	293,617	126,816	420,433	420,433
Construction Work in Process (e)	518,307	355,329	873,637	668,326
Total assets	3,351,828	3,621,042	6,972,870	6,740,885
Deferred Outflows (f)	40,609	81,800	122,408	181,672
Liabilities				
Liabilities - Liabilities-ST	191,026	208,302	399,327	424,229
Due to (from) Other Funds (b)	-	-	-	-
Other Liabilities (h)	2,072	5,611	7,683	7,500
Cash Held FBO DWSD (d)	32,637	40,745	73,383	42,464
Liabilities - Long-Term (i)	3,221,640	3,444,194	6,665,833	6,598,619
Total liabilities	3,447,374	3,698,852	7,146,226	7,072,812
Deferred Inflows (f)	53,119	69,385	122,504	81,327
Total net position (j)	\$ (108,057)	\$ (65,394)	\$ (173,451)	\$ (231,582)

Totals may be off due to rounding

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

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

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

Footnotes to Statement of Net Position

- a. *Cash and Investments* during the fiscal year are reported at book value. Investments at June 30, 2023 are reported at market value. The April 30, 2024 values differ from the Cash and Investment section of this Financial Report Binder due to timing of certain items recognized on a cash versus accrual basis.
- b. *Due from Other Funds* and *Due to Other Funds* are shown at gross for sub-fund activity.
- c. *Other Assets* primarily consists of the contractual obligation receivable from DWSD related to reimbursement of bonded indebtedness for local system improvements.
- d. *Cash Held FBO Advance (for benefit of) DWSD* and *Cash Held FBO DWSD* represents the net difference between DWSD retail cash received from customers and net financial commitments as outlined in the Master Bond Ordinance.
- e. *Construction Work in Process* represents the beginning balance of CWIP plus any construction spending during the fiscal year. The balance will fluctuate based on the level of spend less any capitalizations or write-offs.
- f. *Deferred Inflow* and *Deferred Outflow* relate mainly to financing activity and GLWA's share of the legacy General Retirement System (GRS) pension obligation.
- g. *Liabilities - Short-term* include accounts payable, retainage payable, and certain accrued liabilities. Some items, such as compensated absences and worker's compensation, are reviewed periodically but only adjusted in the interim if there is a material change.
- h. *Other Liabilities* account for the cash receipts set aside for the Budget Stabilization Fund and the Water Residential Assistance Program.
- i. *Liabilities – Long-term* include bonds payable, lease payable, and legacy General Retirement System pension liabilities.
- j. *Net Position Deficit* is defined by accounting standards as the residual of all other elements presented in a statement of financial position. It is the difference between (a) assets and deferred outflows of resources and (b) liabilities and deferred inflows of resources. A net deficit occurs when the liabilities and deferred inflows exceed assets and deferred outflows. GLWA's net deficit is largely driven by an increase in depreciation expense because of the increase in the acquisition valuation approach for recording capital asset values in the opening Statement of Net Position on January 2016. Efforts are underway to evaluate the net operating effect of this matter over the long term.

Statement of Revenues, Expenses and Changes in Net Position

– All Funds Combined

This statement, shown in Table 2, is presented in summary format. The accrual basis of revenues and operations and maintenance expense vary from the revenue requirement basis presented in the *Budget to Actual Analysis* and the *Wholesale Billings, Receivables & Collections* sections of the April 2024 Financial Report Binder. Prior year ending balances are provided in the June 30, 2023 column as a reference for comparative purposes. Explanatory notes follow this statement.

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

Table 2 – Statement of Revenues, Expenses and Changes in Net Position
– All Funds Combined
For the Ten Months ended April 30, 2024
(\$000)

	Water	Percent of Revenue	Sewage Disposal	Percent of Revenue	Total Business- Type Activities	Comparative June 30, 2023
Revenue						
Wholesale customer charges	\$ 279,894	92.7%	\$ 234,803	57.4%	\$ 514,697	\$ 616,511
Local system charges	21,281	7.1%	163,808	40.0%	185,089	213,877
Industrial waste charges		0.0%	7,206	1.8%	7,206	8,393
Pollutant surcharges		0.0%	3,097	0.8%	3,097	4,895
Other revenues	642	0.2%	407	0.1%	1,049	2,011
Total Revenues	301,816	100.0%	409,322	100.0%	711,138	845,686
Operating expenses						
Operations and Maintenance	128,891	42.7%	180,195	44.0%	309,086	366,823
Depreciation	95,722	31.7%	130,271	31.8%	225,993	289,957
Amortization of intangible assets	3,249	1.1%	643	0.2%	3,892	4,006
Total operating expenses	227,862	75.5%	311,109	76.0%	538,971	660,786
Operating Income	73,954	24.5%	98,213	24.0%	172,167	184,900
Total Nonoperating (revenue) expense	58,152	19.3%	55,885	13.7%	114,037	197,183
Increase/(Decrease) in Net Position	15,803	5.2%	42,328	10.3%	58,130	(12,283)
Net Position (deficit), beginning of year	(123,860)		(107,722)		(231,582)	(219,299)
Net position (deficit), end of year	\$ (108,057)		\$ (65,394)		\$ (173,451)	\$ (231,582)

Totals may be off due to rounding

Water Fund

- ✓ The increase in Water Fund Net Position is \$15.8 million.
- ✓ Wholesale water customer charges of \$279.9 million account for 92.7% of Water System revenues.
- ✓ Operating expenses of \$227.9 million represent 75.5% of total operating revenue. Depreciation is the largest operating expense at \$95.7 million or 42.0% of operating expense.
- ✓ Amortization of intangible assets represents activity for raw water rights and IT software.
- ✓ Operating income after operating expenses (including depreciation) equals \$74.0 million or 24.5% of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$74.8 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 \$42.3 million.
- ✓ Wholesale customer charges of \$234.8 million account for 57.4% 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 \$163.8 million account for 40.0% of total operating revenues. These are also billed at one-twelfth of the annual revenue requirement.
- ✓ Operating expenses of \$311.1 million represent 76.0% of total operating revenue. Depreciation is the largest operating expense at \$130.3 million or 41.9% of total operating expense.
- ✓ Amortization of intangible assets represents activity for a warehouse lease and IT software.
- ✓ Operating income after operating expenses (including depreciation) equals \$98.2 million or 24.0% of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$88.6 million (this equates to the bonded debt interest expense less the offset from DWSD contractual obligation income).

Supplemental Schedule of Operations & Maintenance Expenses – All Funds Combined

This Supplemental Schedule of Operations & Maintenance Expenses (O&M) schedule is shown below in Table 3. This accrual basis of operations and maintenance expense may vary from the revenue requirement basis presented in the *Budget to Actual Analysis* section of the April 2024 Financial Report Binder. Explanatory notes follow this schedule.

**Table 3 – Supplemental Schedule of Operations & Maintenance Expenses
– All Funds Combined
For the Ten Months ended April 30, 2024
(\$000)**

	Water	Percent of Total	Sewage Disposal	Percent of Total	Total Business- Type Activities	Percent of Total
Operating Expenses						
Personnel						
Salaries & Wages	23,654	18.4%	49,305	27.4%	72,959	23.6%
Overtime	4,664	3.6%	2,884	1.6%	7,549	2.4%
Benefits	16,005	12.4%	6,378	3.5%	22,383	7.2%
Total Personnel	\$ 44,324	34.4%	\$ 58,567	32.5%	\$ 102,891	33.3%
Utilities						
Electric	25,641	19.9%	15,702	8.7%	41,343	13.4%
Gas	1,162	0.9%	5,043	2.8%	6,205	2.0%
Sewage	565	0.4%	1,541	0.9%	2,106	0.7%
Water	2	0.0%	10,761	6.0%	10,764	3.5%
Total Utilities	\$ 27,370	21.2%	\$ 33,047	18.3%	\$ 60,418	19.5%
Chemicals	9,543	7.4%	15,453	8.6%	24,996	8.1%
Supplies and other	9,589	7.4%	24,052	13.3%	33,640	10.9%
Contractual services	42,353	32.9%	51,025	28.3%	93,378	30.2%
Capital Adjustment	-	0.0%	-	0.0%	-	0.0%
Capital program allocation	(1,020)	-0.8%	(1,109)	-0.6%	(2,129)	-0.7%
Intergovernmental Agreement	(1,995)	-1.5%	(193)	-0.1%	(2,188)	-0.7%
Shared services allocation	(1,272)	-1.0%	(649)	-0.4%	(1,920)	-0.6%
Operations and Maintenance Expenses	\$ 128,891	100.0%	\$ 180,195	100.0%	\$ 309,086	100.0%

Totals may be off due to rounding

- ✓ Core expenses for water and sewage disposal systems are utilities (19.5% of total O&M expenses) and chemicals (8.1% of total O&M expenses).
- ✓ Personnel costs (33.3% of total O&M expenses) include all salaries, wages, and benefits for employees as well as staff augmentation contracts that fill a vacant position (contractual transition services).
- ✓ Contractual services (30.2%) includes:
 - Water System costs of sludge removal and disposal services at the Northeast, Southwest and Springwells Water Treatment Plants (approximately \$4.9 million);
 - Sewage Disposal System costs for the operation and maintenance of the biosolids dryer facility (approximately \$15.3 million); and
 - Centralized and administrative contractual costs allocated to both systems for information technology, building maintenance, field, planning and other services.
- ✓ The Capital Program Allocation, Intergovernmental Agreement and Shared Services Allocation are shown as negative amounts because they are 'contra' expense accounts representing offsets to associated costs in other Operations and Maintenance expense categories.

Supplemental Schedule of Nonoperating Expenses – All Funds Combined

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

**Table 4 – Supplemental Schedule of Nonoperating Expenses – All Funds Combined
For the Ten Months ended April 30, 2024
(\$000)**

	Water	Sewage Disposal	Total Business- type Activities	Comparative June 30, 2023
Nonoperating (Revenue)/Expense				
Interest income contractual obligation	\$ (20,092)	\$ (13,123)	\$ (33,215)	\$ (41,059)
Investment earnings	(21,772)	(27,088)	(48,860)	(35,344)
Net (incr) decr in fair value of invstmt	(1,305)	(2,617)	(3,922)	(2,257)
Other nonoperating revenue	(3,834)	(30,199)	(34,033)	(3,872)
Interest Expense				
Bonded debt	94,878	101,684	196,562	228,066
Lease obligation	13,810	16,879	30,688	37,319
Other obligations	3,507	1,357	4,865	5,906
Total interest expense	112,194	119,920	232,114	271,291
Other non-capital expense	-	-	-	-
Memorandum of Understanding	-	-	-	-
Capital Contribution	-	-	-	(2,176)
Amortization, issuance costs, debt	(11,916)	1,489	(10,427)	(3,998)
(Gain) loss on disposal of capital assets	(17)	(27)	(44)	2,119
Loss on impairment of capital assets	-	-	-	-
Discontinued Capital Projects	-	-	-	20,903
Water Residential Assistance Program	2,490	3,230	5,721	12,343
Legacy pension expense	2,403	4,300	6,703	(20,765)
Total Nonoperating (Revenue)/Expense	\$ 58,152	\$ 55,885	\$ 114,037	\$ 197,183

- ✓ 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.
- ✓ 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.
- ✓ Net (increase) decrease in fair value of investments consists of market value of investments and realized gain/loss on sale of investments. FY 2022 market value adjustments for Water and Sewer total \$2.8 million and \$3.9 million, respectively. FY 2023 market value adjustments for Water and Sewer total \$1.3 million and \$2.6 million, respectively. Any difference is due to realized gain or loss on investments.

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

- ✓ 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.
- ✓ FY 2024 and FY 2023 other non-operating income primarily represents FEMA Covid-19 grant income for the Water and Sewage Disposal systems.
- ✓ The FY 2023 capital contribution in Nonoperating (revenue) expense represents funds from the Evergreen Farmington Sewer District for a maximum discharge capacity of 227 cubic feet per second (cfs) to the regional sewer system.
- ✓ FY 2023 Sewage Disposal loss on disposal of capital assets includes sale of McKinstry warehouse.
- ✓ For FY 2023, GLWA is recognizing non-operating pension revenue rather than expense as a result of improved investment earnings for the plan.
- ✓ The FY 2023 Discontinued capital projects represents the cancellation of three Water CIP projects to repurpose the Northeast Water Treatment Plant.

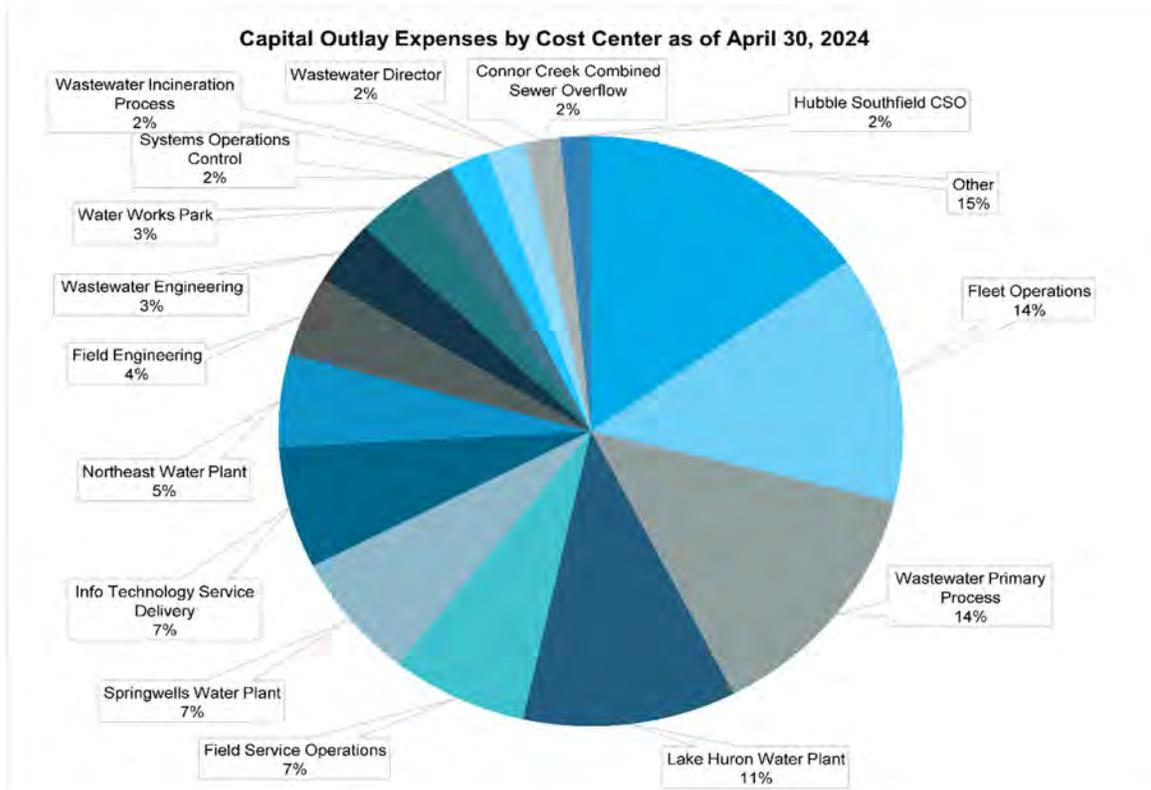


Financial Activity Charts

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 April 30, 2024, total capital outlay spend is \$17.4 million. Following this chart is a sample list of projects and purchases from the total spend of \$17.4 million:



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

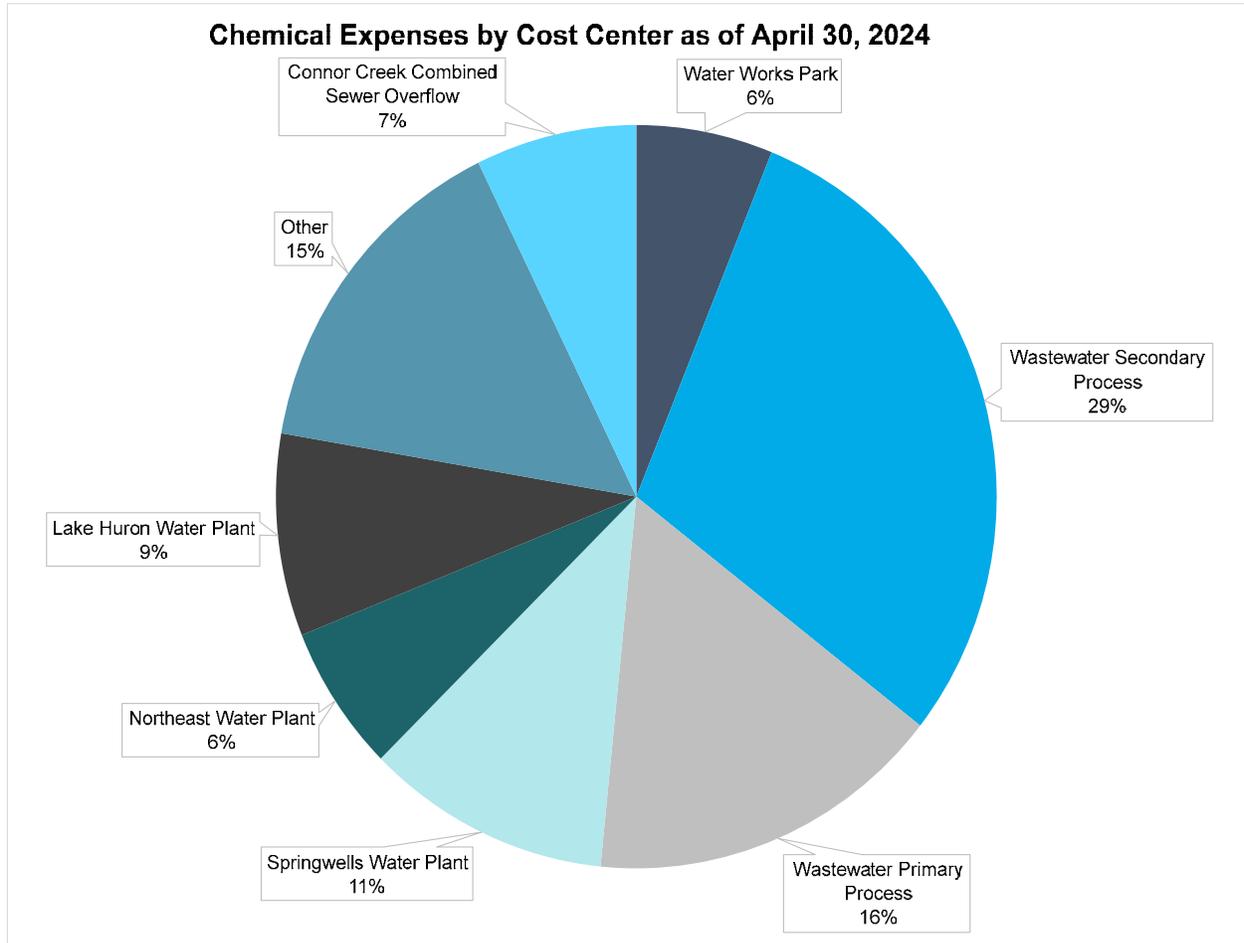
Water Operations: Ovation power supply upgrade (\$1.6m); Clarifier Drive (\$819k); Lake Huron Boiler retrofit (\$323k); Northeast Aluminum Storage Tank (\$294k); Water Works Park build out (\$210k); Northeast Water Treatment Plant fluid heater (\$189k); Lake Huron doors and frames (\$132k); STACO energy first line universal power supply (\$91k); Springwells elevator repairs (\$89k); Evaporators (\$86k); Ozone vessel refurbish (\$84k); Northeast Water Treatment Plant annual work platform (\$73k) and compact utility tractor (\$57k).

Wastewater Operations: Magnetic Low Meter Replacement (\$1.1m); WRRF flow meter replacement (\$822k); WRRF Incinerator freight elevator (\$399k); CSO's system control center support (\$319k); Complex A pump replacement (\$276k); Incinerator C-II building access platform (\$160k); WRRF Primary area gas detection system (\$140k); Scum hopper pump (\$131k); Incinerator Actuators (\$115k); Electric actuator (\$112k); Replacement chopper pumps (\$102k); Multiple CSO's submersible motor (\$92k); WRRF electrical upgrades (\$92k); WRRF/CSO process camera (\$92k); Submersible chopper pump (\$89k); Chlorination scrubber pump (\$70k); Baby Creek furniture and supplies (\$67k); Bluehill Pump Station ovation upgrade (\$66k); Fischer Pump Station ovation upgrade (\$61k); Hubble furniture and supplies (\$61k) and 7 mile CSO influent slide gate replacement (\$59k).

Centralized & Administrative Facilities: Trucks and vehicles (\$2.5m); Computer hardware and software (\$1.5m); Pump stations ovation upgrade (\$1.1m); Ovation upgrade and cabinet replacement (\$550k); Sewer meter support (\$173k); Forklift (\$86k); WRRF furniture and supplies (\$82k); WRRF EV charging stations (\$80k); Meter and Interior vault renovation (\$78k); Base trex platform (\$67k); Probe (\$58k); Water Board Building furniture and supplies (\$51k) and Pressure transmitters (\$50k).

Chart 2 – Chemical Expenses – Water and Sewer System Combined

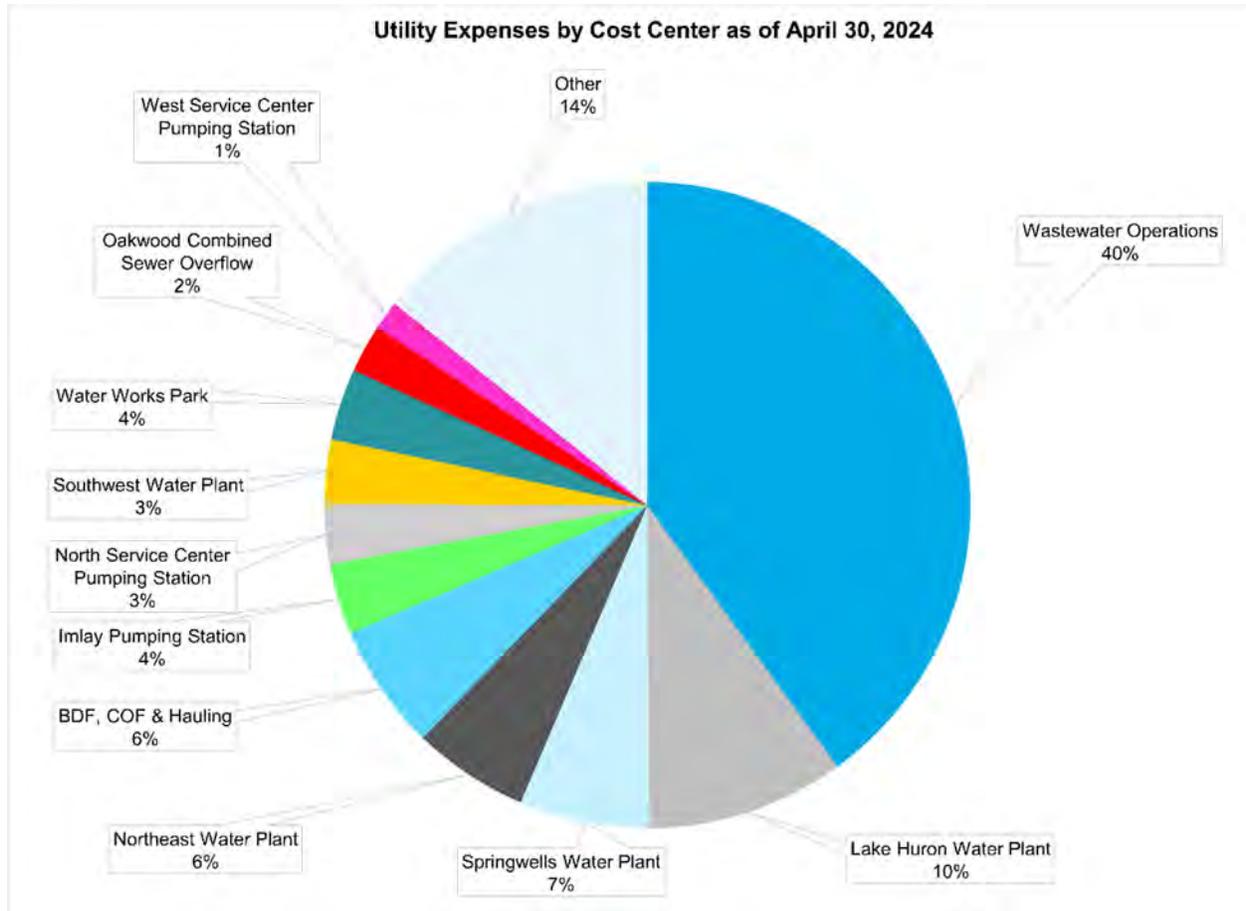
Chemical expenses are \$25.0 million through April 30, 2024. The allocation is shown in the chart below and remains consistent with prior periods.



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 \$60.4 million through April 30, 2024. 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 April 30, 2024 all reconciliations are up-to-date and complete.

There were no new accounts added in the general ledger since March 2024.

Chart 1 – Bank Reconciliation Completion Status

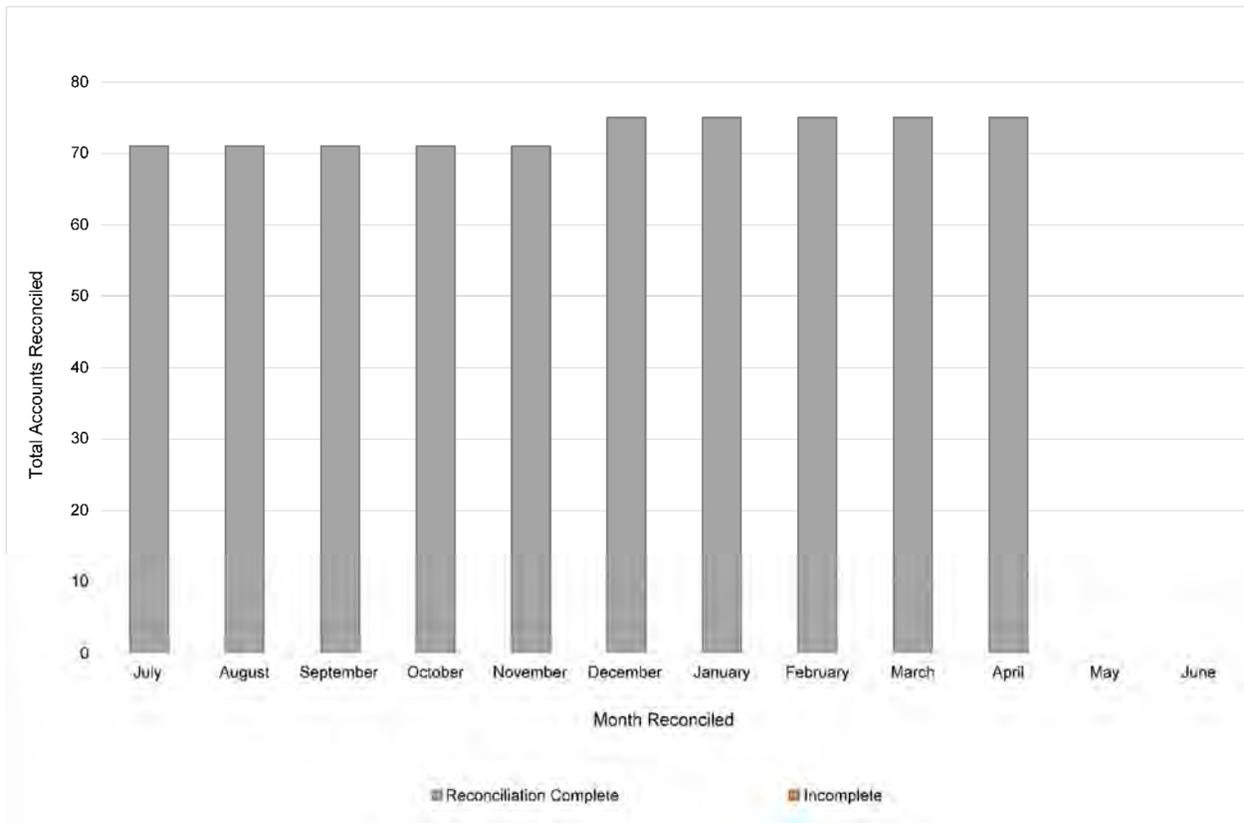


Table 1 – Fiscal Year 2024 GL Cash Account Rollforward

Total GL Cash accounts as of July 1, 2023	71
New GL Cash accounts	4
Inactivated GL Cash accounts	0
Total GL Cash accounts as of April 30, 2024	75

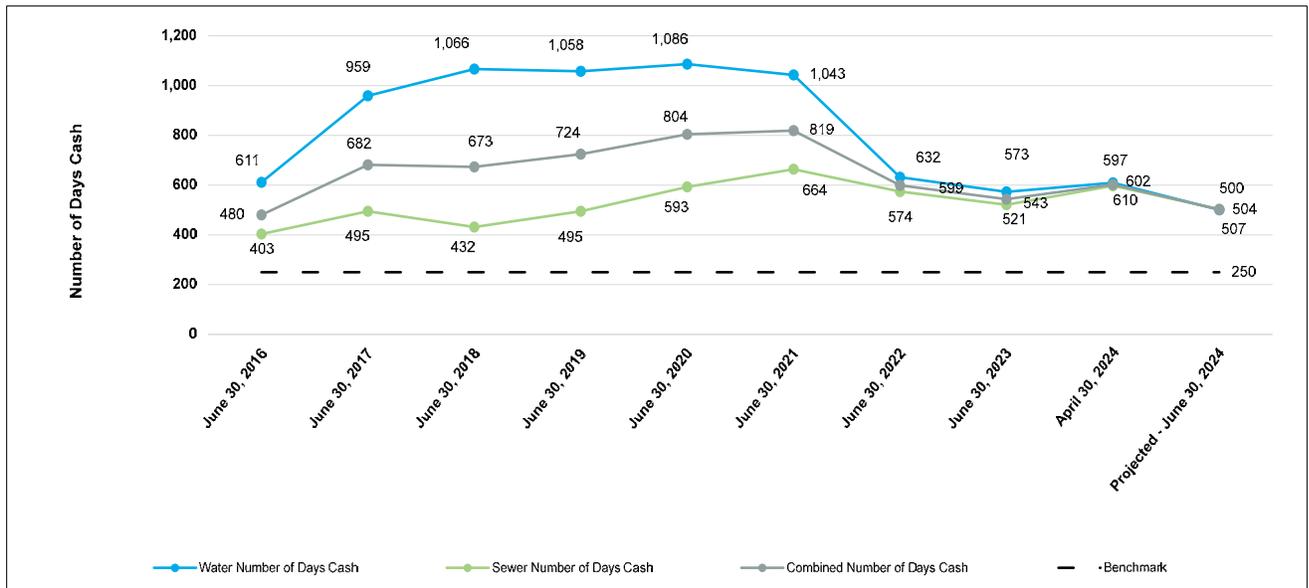


Financial Operations KPI - Liquidity

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

Both GLWA Water and Sewer funds continue to exceed this target with Water at 610 and Sewer at 597 days cash on hand as of April 30, 2024. These balances remain strong for the regional system but did decrease in FY 2022 as I&E funds were used as planned to fund capital improvement projects. A December 2023 revenue bond transaction replenished the construction bond funds and reduced the emphasis on I&E funding. The FY 2024 projection is calculated based on values from the GLWA FY 2024 – 2028 Budget & Five-Year Plan adjusted for 2nd quarter budget amendments.

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



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

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

	<u>June 30, 2023</u>	<u>April 30, 2024</u>	<u>Projected June 30, 2024</u>
Water Fund			
Cash and Investments - Unrestricted	\$ 243,707,000	\$ 277,931,000	\$ 228,800,000
Operating Expense			
Operating Expense (a)	\$ 285,220,000	\$ 256,791,000	\$ 308,150,000
Less: Depreciation (a)	(126,486,000)	(114,750,000)	(137,700,000)
Less: Amortization of Intangible Asset (a)	(3,567,000)	(2,972,000)	(3,567,000)
Net Operating Expense	\$ 155,167,000	\$ 139,069,000	\$ 166,883,000
Operating Expense per Day	\$ 425,000	\$ 456,000	\$ 457,000
Days Cash			
Number of Days Cash	573	610	500
Sewage Disposal Fund			
Cash and Investments - Unrestricted	\$ 302,270,000	\$ 362,240,000	\$ 306,100,000
Operating Expense			
Operating Expense (a)	\$ 375,567,000	\$ 322,938,000	\$ 387,526,000
Less: Depreciation (a)	(163,471,000)	(137,917,000)	(165,500,000)
Less: Amortization of Intangible Asset (a)	(440,000)	-	-
Net Operating Expense	\$ 211,657,000	\$ 185,021,000	\$ 222,026,000
Operating Expense per Day	\$ 580,000	\$ 607,000	\$ 608,000
Days Cash			
Number of Days Cash	521	597	503
Combined			
Cash and Investments - Unrestricted	\$ 545,977,000	\$ 640,171,000	\$ 534,900,000
Operating Expense			
Operating Expense (a)	\$ 660,787,000	\$ 579,729,000	\$ 695,675,000
Less: Depreciation (a)	(289,957,000)	(252,667,000)	(303,200,000)
Less: Amortization of Intangible Asset (a)	(4,006,000)	(2,972,000)	(3,567,000)
Net Operating Expense	\$ 366,824,000	\$ 324,090,000	\$ 388,908,000
Operating Expense per Day	\$ 1,005,000	\$ 1,063,000	\$ 1,066,000
Days Cash			
Number of Days Cash	543	602	502
<i>Totals may be off due to rounding</i>			

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



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 Difference” to the “Increase/(Decrease) in Net Position” in Table 2 of the Basic Financial Statements in the monthly Financial Report.

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

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

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

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

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

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

Table 1 – Crosswalk Budget Basis to Financial Reporting Basis (\$000)
For the Ten Months Ended April 30, 2024

	Water	Sewer	Total
Net Revenue Requirement Budget Variance (a)	\$ 6,408	\$ 5,517	\$ 11,925
Budgetary categories adjustments to financial reporting basis			
Pension delayed accounting election adjustments			
Current year pension transfers/payments recorded as deferral (c)	776	1,456	2,232
Prior year pension contribution accounted for in current year (d)	(2,403)	(4,300)	(6,703)
Administrative prepaid adjustment (e)	-	-	-
Debt service (f)	61,292	105,276	166,568
Accelerated pension B&C notes obligation portion (g)	179	401	580
Regional System lease (h)	4,940	6,038	10,978
GASB 87 & GASB 96 adjustments (h)	4,444	2,803	7,248
WRAP (i)	(947)	(1,144)	(2,091)
Extraordinary Repair & Replacement Fund transfers (j)	-	-	-
Improvement & Extension Fund transfers (j)	17,990	20,778	38,768
Nonbudgeted financial reporting categories adjustments			
Depreciation and amortization (k)	(98,971)	(130,914)	(229,885)
Amortization - debt related (k)	11,916	(1,489)	10,427
Other nonoperating income (k)	-	-	-
Other nonoperating expense (k)	-	27,948	27,948
Gain(loss) on disposal of capital assets (k)	17	27	44
Raw water rights obligation (l)	2,461	-	2,461
Investment earnings for construction fund (m)	6,797	8,041	14,838
Interest on DWSD note receivable (n)	-	-	-
Investment earnings unrealized gain/loss (o)	1,305	2,617	3,922
Improvement & extension fund operating expenses (p)	(402)	(727)	(1,129)
Net Position Increase/(Decrease) per Financial Statements (b)	\$ 15,803	\$ 42,328	\$ 58,130

Table 2 - Explanatory Notes for Crosswalk

- (a) Source: Budget to Actual Table 1A and Table 1B in Monthly Financial Report
- (b) Source: Basic Financial Statements Table 2 in Monthly Financial Report
- (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) Payments for the warehouse lease and subscription-based information technology arrangements (SBITA) are expensed for budget purposes. For financial reporting purposes, the warehouse lease is recorded under GASB 87 and payments are treated as a reduction in the lease liability and interest expense (which is a nonoperating expense). The SBITA payments are recorded under GASB 96 and are treated as a prepaid subscription asset as the software is currently in the implemented phase.
- (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 Improvement & Extension Fund and Extraordinary Repair & Replacement Fund transfers are shown as an expense for budget purposes but not for financial reporting purposes.
- (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 for 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 purposes the Flint wholesale charges are recorded as 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.
- (n) Interest on a 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. DWSD does not currently have a note receivable due to GLWA.
- (o) 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.
- (p) The Water Improvement and Extension fund and the Sewer Improvement and Extension fund reflect certain expenses relating to repairs paid for through the Water and Sewer Improvement and Extension funds, respectively. These are consolidated expenses for financial reporting purposes but are not reflected in the current Operations and Maintenance budget expenses.



The Monthly Capital Improvement Plan Financial Summary includes the following.

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

Capital Improvement Plan Financial Summary

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

This report presents quarterly and monthly CIP spending against the prorated CIP in total and the CIP adjusted for the SRA. For FY 2024 the original Board approved capital spend rate was 100%. The prorated CIP is calculated by dividing the total fiscal year 2024 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.

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

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

As of April 2024, the water system incurred \$141 million of construction costs to date. This spend represents 71% of the original Board approved FY 2024 CIP plan and 89% of the spend rate adjusted.

Economic factors affecting the CIP spend are considered by the Board quarterly at which time the Board may amend the planned spend rate adjusted.

As part of the proposed 2nd Quarter Budget Amendments, GLWA staff presented to the Audit Committee a recommendation to amend the spend rate adjusted for the water system from 94% to 79.4%. This recommended change was approved by the full Board of Directors in June 2024 and is reflected in Chart 1 below. Current water system spend represents 89% of that spend rate adjusted.

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

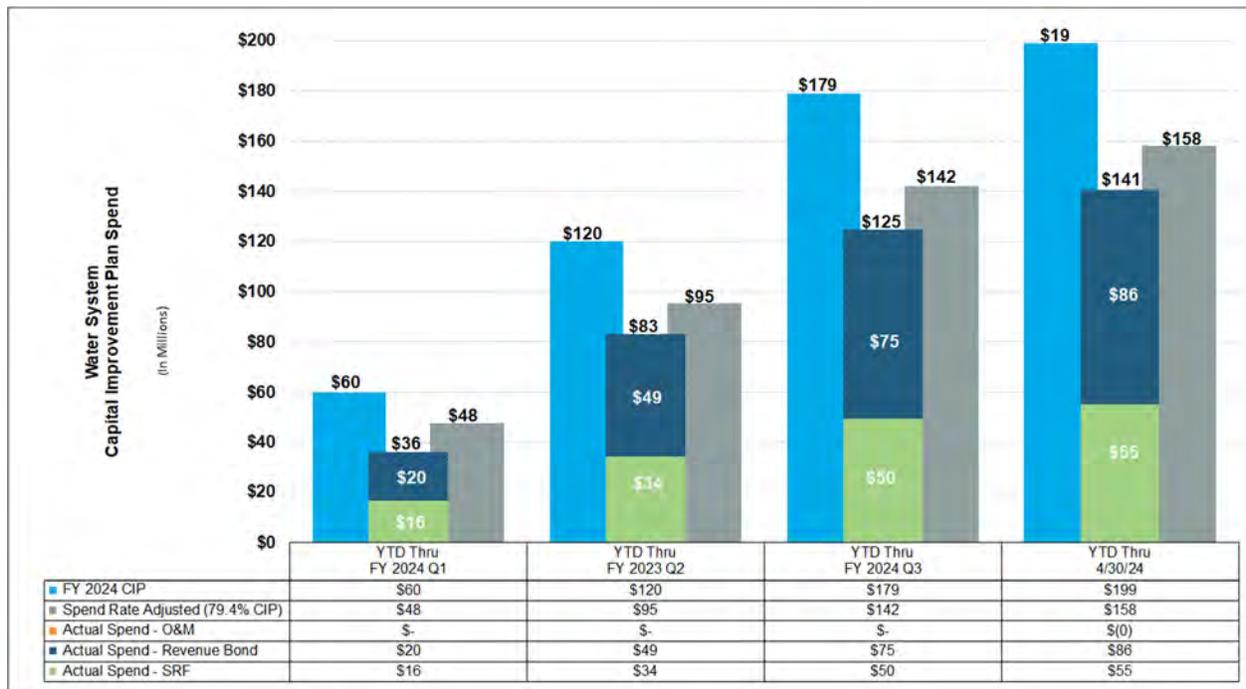


Chart 2 – Sewer System Capital Improvement Plan Spend Incurred to Date

As of April 2024, the Sewer system incurred \$101 million of construction costs to date. This spend represents 61% of the original Board approved FY 2024 CIP plan and 87% of the spend rate adjusted.

Economic factors affecting the CIP spend are considered by the Board quarterly at which time the Board may amend the planned spend rate adjusted.

As part of the proposed 2nd Quarter Budget Amendments, GLWA staff presented to the Audit Committee a recommendation to amend the spend rate adjusted for the sewer system from 82.9% to 70.3%. This recommended change was approved by the full Board of Directors in June 2024 and is reflected in Chart 2 below. Current sewer system spend represents 87% of that Board approved spend rate adjusted.

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





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. If there are transfers to the Extraordinary Repair & Replacement (ER&R) fund they would be completed annually based on budget and year-end fund status.

As of June 30, 2023, GLWA and DWSD have met the requirements of the Plan of Adjustment requiring contributions to the Detroit General Retirement System (GRS) pension plan through Operational and Maintenance Pension sub-accounts. GLWA and DWSD staff monitor the remaining pension obligation closely. Budgeted, annual contributions toward that remaining obligation, at this time identified as limited administrative fee contributions, are transferred to the Pension Obligation Payment fund and reflected in the reported activity found here.

Table 1 – GLWA FY 2024 Water MBO Transfers reflects the required transfers for FY 2024 completed through April 2024. MBO transfers for water totaling \$140.7 million have been transferred to GLWA accounts. In February 2024, an adjustment was made to the non-operating pension to reflect a reduction in the required contribution for FY24. The non-operating pension requirement has been fully funded for the fiscal year.

Table 2 – GLWA FY 2024 Sewer MBO Transfers reflects the required transfers for FY 2024 completed through April 2024. MBO transfers for sewer totaling \$190.6 million have been transferred to GLWA accounts. In February 2024, an adjustment was made to the non-operating pension to reflect a reduction in the required contribution for FY24. The non-operating pension requirement has been fully funded for the fiscal year.

Table 3 – GLWA MBO Transfer History reflects historical transfers for FY 2016 through FY 2024 to date.

Table 1 – GLWA FY 2024 Water MBO Transfers

	WATER						
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Water
FY 2024							
July 2023	\$ 12,742,200	\$ -	\$ 482,808	\$ 225,850	\$ -	\$ -	\$ 13,450,858
August 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
September 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
October 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
November 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
December 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
January 2024	18,688,752	-	(328,148)	225,895	-	-	18,586,499
February 2024	13,591,708	-	-	225,895	-	-	13,817,603
March 2024	13,591,708	-	-	225,760	-	-	13,817,468
April 2024	13,591,708	-	-	225,850	-	-	13,817,558
May 2024							
June 2024							
Total FY 2024	\$ 135,917,076	\$ -	\$ 2,568,700	\$ 2,258,455	\$ -	\$ -	\$ 140,744,231

Table 2 – GLWA FY 2024 Sewer MBO Transfers

	SEWER						
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Sewer
FY 2024							
July 2023	\$ 17,136,975	\$ -	\$ 682,459	\$ 319,700	\$ -	\$ -	\$ 18,139,134
August 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
September 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
October 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
November 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
December 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
January 2024	25,586,377	-	(180,254)	319,702	-	-	25,725,825
February 2024	18,344,033	-	-	319,702	-	-	18,663,735
March 2024	18,344,033	-	-	319,696	-	-	18,663,729
April 2024	18,344,033	-	-	319,700	-	-	18,663,733
May 2024							
June 2024							
Total FY 2024	\$ 183,440,326	-	\$ 3,914,500	\$ 3,197,000	\$ -	\$ -	\$ 190,551,826

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Table 3 – GLWA MBO Transfer History

GLWA MBO Transfer History							
WATER							
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Water
Total FY 2016	\$ 71,052,000	\$ 6,037,100	\$ 10,297,200	\$ 1,983,300	\$ 2,326,900	\$ 606,000	\$ 92,302,500
Total FY 2017	111,879,600	6,037,200	10,297,200	2,077,200	360,000	-	130,651,200
Total FY 2018	121,562,604	6,048,000	10,695,696	2,159,400	-	-	140,465,700
Total FY 2019	121,562,604	6,048,000	10,695,696	2,061,000	-	-	140,367,300
Total FY 2020	126,840,204	6,048,000	10,695,683	1,980,804	-	-	145,564,691
Total FY 2021	134,127,300	6,048,000	10,695,700	2,324,200	-	-	153,195,200
Total FY 2022	143,933,800	6,048,000	10,695,700	2,376,600	-	-	163,054,100
Total FY 2023	156,747,700	6,048,000	10,695,700	2,611,800	-	2,200,000	178,303,200
Total FY 2024 (year to date)	135,917,076	-	2,568,700	2,258,455	-	-	140,744,231
Life to Date	\$1,123,622,888	\$ 48,362,300	\$ 87,337,275	\$ 19,832,759	\$ 2,686,900	\$ 2,806,000	\$1,284,648,122
SEWER							
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Sewer
Total FY 2016	\$ 100,865,600	\$ 10,838,400	\$ 14,025,800	\$ 2,523,400	\$ 5,591,700	\$ 779,600	\$ 134,624,500
Total FY 2017	175,858,800	10,838,400	14,026,800	2,654,400	2,654,400	-	206,032,800
Total FY 2018	191,079,396	10,824,000	14,687,496	2,760,804	-	-	219,351,696
Total FY 2019	191,079,396	10,824,000	14,687,496	2,870,992	-	-	219,461,884
Total FY 2020	181,925,800	10,824,000	14,687,517	2,887,300	-	-	210,324,617
Total FY 2021	182,296,000	10,824,000	14,687,500	3,764,300	-	-	211,571,800
Total FY 2022	191,908,600	10,824,000	14,687,400	3,868,700	-	-	221,288,700
Total FY 2023	204,122,500	10,824,000	14,687,400	3,673,800	-	-	233,307,700
Total FY 2024 (year to date)	183,440,326	-	3,914,500	3,197,000	-	-	190,551,826
Life to Date	\$1,602,576,418	\$ 86,620,800	\$ 120,091,909	\$ 28,200,696	\$ 8,246,100	\$ 779,600	\$1,846,515,523

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

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 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.

As of June 30, 2023, GLWA and DWSD have meet the requirements of the Plan of Adjustment requiring contributions to the Detroit General Retirement System (GRS) pension plan through Operational and Maintenance Pension sub-accounts. GLWA and DWSD staff monitor the remaining pension obligation closely. Budgeted, annual contributions toward that remaining obligation, at this time identified as limited administrative fee contributions, are transferred to the Pension Obligation Payment fund and reflected in the reported activity found here.

Table 4 – DWSD FY 2024 Water MBO Transfers reflects the required transfers for FY 2024 completed through April 2024. MBO transfers for Water totaling \$56.1 million have been transferred to accounts held by DWSD.

Table 5 – DWSD FY 2024 Sewer MBO Transfers reflects the required transfers for FY 2024 completed through April 2024. MBO transfers for Sewer totaling \$69.3 million have been transferred to accounts held by DWSD.

Table 6 – DWSD Water MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2024 to date.

Table 7 – DWSD Sewer MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2024 to date.

Table 4 – DWSD FY 2024 Water MBO Transfers

WATER				
	<u>Operations & Maintenance</u>	<u>Pension</u>	<u>Lease Payment (I&E Fund)</u>	<u>Total Water</u>
FY 2024				
July 2023	\$ 3,731,400	\$ -	\$ 1,875,000	\$ 5,606,400
August 2023	3,731,400	-	1,875,000	5,606,400
September 2023	3,731,400	-	1,875,000	5,606,400
October 2023	3,731,400	-	1,875,000	5,606,400
November 2023	3,731,400	-	1,875,000	5,606,400
December 2023	3,731,400	-	1,875,000	5,606,400
January 2024	3,731,400	-	1,875,000	5,606,400
February 2024	3,731,400	-	1,875,000	5,606,400
March 2024	3,731,400	-	1,875,000	5,606,400
April 2024	3,731,400	-	1,875,000	5,606,400
May 2024				
June 2024				
Total FY 2024	\$ 37,314,000	-	\$ 18,750,000	\$ 56,064,000

Table 5 – DWSD FY 2024 Sewer MBO Transfers

SEWER				
	<u>Operations & Maintenance</u>	<u>Pension</u>	<u>Lease Payment (I&E Fund)</u>	<u>Total Sewer</u>
FY 2024				
July 2023	\$ 4,642,142	\$ -	\$ 2,291,667	\$ 6,933,809
August 2023	4,642,142	-	2,291,667	6,933,809
September 2023	4,642,142	-	2,291,667	6,933,809
October 2023	4,642,142	-	2,291,667	6,933,809
November 2023	4,642,142	-	2,291,667	6,933,809
December 2023	4,642,142	-	2,291,667	6,933,809
January 2024	4,642,140	-	2,291,667	6,933,807
February 2024	4,642,140	-	2,291,667	6,933,807
March 2024	4,642,142	-	2,291,667	6,933,809
April 2024	4,642,142	-	2,291,667	6,933,809
May 2024				
June 2024				
Total FY 2024	\$ 46,421,416	-	\$ 22,916,670	\$ 69,338,086

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Table 6 – DWSD Water MBO and Lease Payment Transfer History

Transfers to DWSD				
WATER				
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Water
FY 2016 *				
MBO/Lease Requirement	\$ 26,185,600	\$ 4,262,700	\$ 22,500,000	\$ 52,948,300
Offset to Debt Service	-	-	(2,326,900)	(2,326,900)
Net MBO Transfer	26,185,600	4,262,700	20,173,100	50,621,400
FY 2017				
MBO/Lease Requirement	33,596,400	4,262,400	22,500,000	60,358,800
Offset to Debt Service	-	-	-	-
Net MBO Transfer	33,596,400	4,262,400	22,500,000	60,358,800
FY 2018				
MBO/Lease Requirement	35,059,704	4,272,000	22,500,000	61,831,704
Offset to Debt Service	-	-	(1,875,000)	(1,875,000)
Net MBO Transfer	35,059,704	4,272,000	20,625,000	59,956,704
FY 2019				
MBO/Lease Requirement	35,484,300	4,272,000	22,500,000	62,256,300
Offset to Debt Service	-	-	(3,972,200)	(3,972,200)
Net MBO Transfer	35,484,300	4,272,000	18,527,800	58,284,100
FY 2020				
MBO/Lease Requirement	34,662,400	4,272,000	22,500,000	61,434,400
Offset to Debt Service	-	-	(3,548,000)	(3,548,000)
Net MBO Transfer	34,662,400	4,272,000	18,952,000	57,886,400
FY 2021				
MBO/Lease Requirement	35,833,900	4,272,000	22,500,000	62,605,900
Offset to Debt Service	-	-	(8,278,300)	(8,278,300)
Net MBO Transfer	35,833,900	4,272,000	14,221,700	54,327,600
FY 2022				
MBO/Lease Requirement	29,989,000	4,272,000	22,500,000	56,761,000
Offset to Debt Service	-	-	(8,925,400)	(8,925,400)
Net MBO Transfer	29,989,000	4,272,000	13,574,600	47,835,600
FY 2023				
MBO/Lease Requirement	42,581,600	4,272,000	22,500,000	69,353,600
Offset to Debt Service	-	-	(2,922,100)	(2,922,100)
Net MBO Transfer	42,581,600	4,272,000	19,577,900	66,431,500
FY 2024 (year to date)				
MBO/Lease Requirement	37,314,000	-	18,750,000	56,064,000
Offset to Debt Service	-	-	-	-
Net MBO Transfer	37,314,000	-	18,750,000	56,064,000
Life-to-Date				
MBO/Lease Requirement	310,706,904	34,157,100	198,750,000	543,614,004
Offsets	-	-	(31,847,900)	(31,847,900)
Total Water	310,706,904	34,157,100	166,902,100	511,766,104

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Table 7 – DWSD Sewer MBO and Lease Payment Transfer History

SEWER				
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Sewer
FY 2016 *				
MBO/Lease Requirement	\$ 19,774,300	\$ 2,861,800	\$ 27,500,000	\$ 50,136,100
Offset to Debt Service	-	-	(19,991,500)	(19,991,500)
Total MBO Transfer	19,774,300	2,861,800	7,508,500	30,144,600
FY 2017				
MBO/Lease Requirement	41,535,600	2,862,000	27,500,000	71,897,600
Offset to Debt Service	-	-	-	-
Total MBO Transfer	41,535,600	2,862,000	27,500,000	71,897,600
FY 2018				
MBO/Lease Requirement	60,517,992	2,856,000	27,500,000	90,873,992
Offset to Debt Service	-	-	(9,166,664)	(9,166,664)
Total MBO Transfer	60,517,992	2,856,000	18,333,336	81,707,328
FY 2019				
MBO/Lease Requirement	56,767,920	2,856,000	27,500,000	87,123,920
Offset to Debt Service	-	-	(4,415,000)	(4,415,000)
Total MBO Transfer	56,767,920	2,856,000	23,085,000	82,708,920
FY 2020				
MBO/Lease Requirement	62,343,500	2,856,000	27,500,000	92,699,500
Offset to address shortfall	(7,100,000)	-	-	(7,100,000)
Offset to Debt Service	-	-	(5,032,700)	(5,032,700)
Total MBO Transfer	55,243,500	2,856,000	22,467,300	80,566,800
FY 2021				
MBO/Lease Requirement	69,915,700	2,856,000	27,500,000	100,271,700
Offset to Debt Service	-	-	(3,257,200)	(3,257,200)
Total MBO Transfer	69,915,700	2,856,000	24,242,800	97,014,500
FY 2022				
MBO/Lease Requirement	61,301,000	2,856,000	27,500,000	90,735,453
Offset to Debt Service	-	-	(5,529,297)	(4,607,750)
Total MBO Transfer	61,301,000	2,856,000	21,970,703	86,127,703
FY 2023				
MBO/Lease Requirement	51,396,400	2,856,000	27,500,000	81,752,400
Offset to Debt Service	-	-	(4,388,300)	(4,388,300)
Total MBO Transfer	51,396,400	2,856,000	23,111,700	77,364,100
FY 2024 (year to date)				
MBO/Lease Requirement	46,421,416	-	22,916,670	69,338,086
Offset to Debt Service	-	-	-	-
Total MBO Transfer	46,421,416	-	22,916,670	69,338,086
Life-to-Date				
MBO/Lease Requirement	469,973,828	22,859,800	242,916,670	734,828,751
Offsets	(7,100,000)	-	(51,780,661)	(57,959,114)
Total Sewer	462,873,828	22,859,800	191,136,009	676,869,637

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



This report includes the following:

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

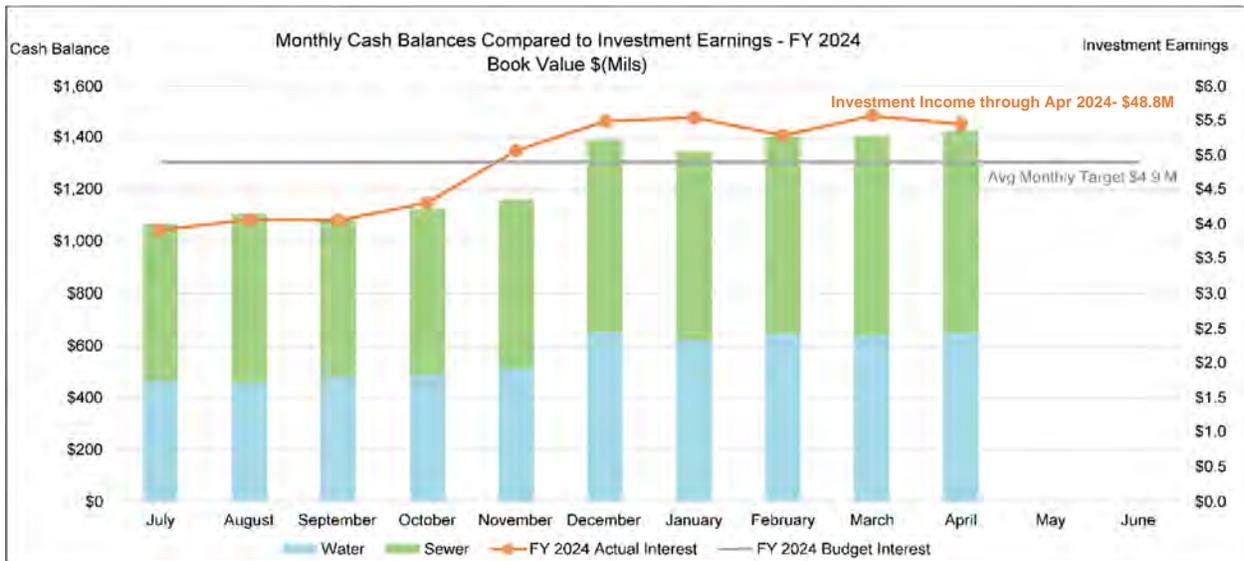
Monthly Cash Balances Compared to Investment Income

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

Cash and investment balances change each month based on Master Bond Ordinance (MBO) funding requirements, operational needs, capital spending pace, and mandatory debt payments. Investment income fluctuates monthly based on cash and investment balances as well as market conditions and investment strategy. For the month of April 2024, GLWA earned investment income of \$5.4 million and cumulative FY 2024 earnings through April 2024 of \$48.8 million. Total investment income reported includes earnings from revenue requirement funds as well as construction bond funds.

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

Chart 1 – Monthly Cash Balances Compared to Investment Income – Through April 2024



\$(Mils)	July	August	September	October	November	December	January	February	March	April	May	June
Water	\$466	\$459	\$481	\$492	\$513	\$651	\$623	\$645	\$640	\$648	-	-
Sewer	\$602	\$649	\$609	\$635	\$650	\$743	\$722	\$764	\$769	\$779	-	-
Total	\$1,068	\$1,107	\$1,090	\$1,127	\$1,162	\$1,393	\$1,346	\$1,409	\$1,409	\$1,427	-	-
Investment Income	\$3.9	\$4.1	\$4.1	\$4.3	\$5.1	\$5.5	\$5.5	\$5.3	\$5.6	\$5.4	-	-

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:

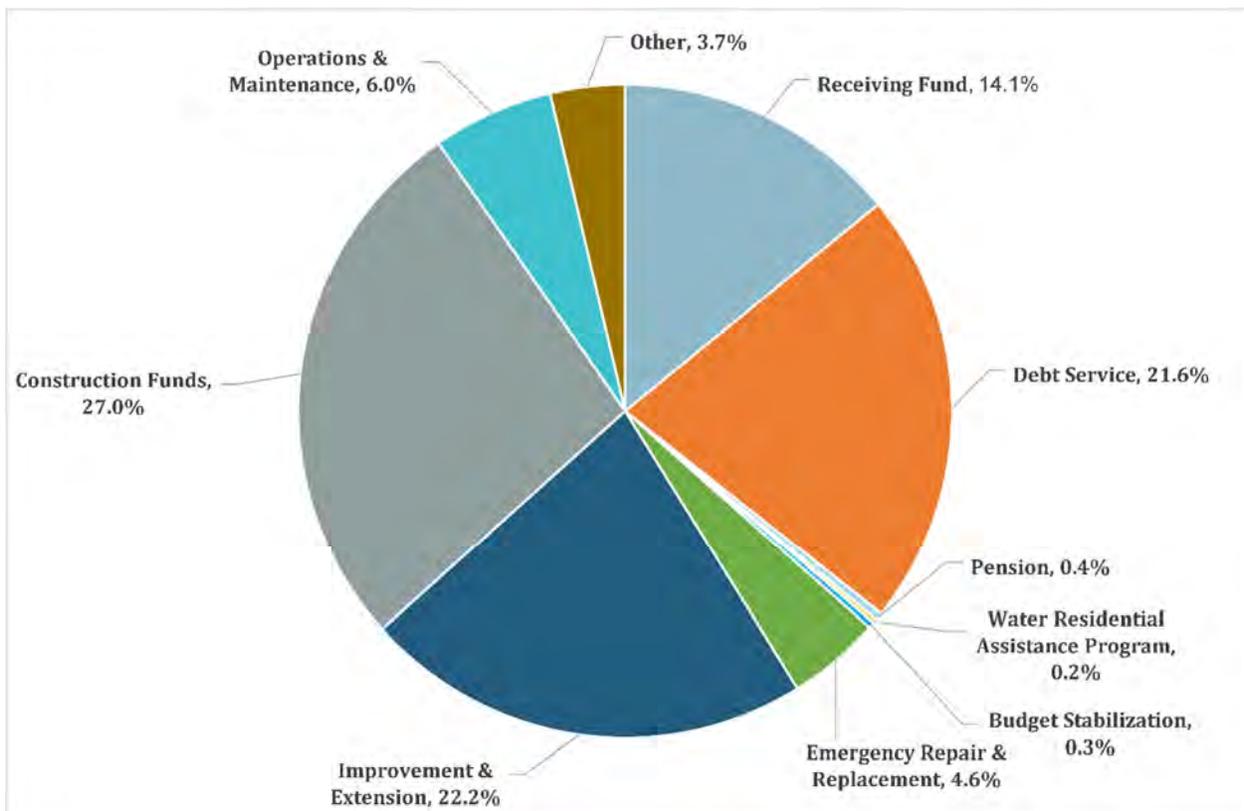
- Bond Proceeds – funds raised from debt issuance used for costs of repairs, construction, and improvements of the regional system
- Operations & Maintenance (O&M) – funds used to meet the operational and maintenance requirements of the regional system
- Other – retainage funds held on behalf of contractors, security deposit funds held on behalf of the City of Flint, and capital contribution funds provided by the Evergreen Farmington Sewer District recognized as related project work is completed

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

Chart 2 – Cash Balances - Water Funds as of April 2024 - Shows the allocation of the balance among the different categories defined in the section above. The total cash balance for Water Funds as of April 30, 2024 is \$648 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.

GLWA completed a bond transaction of \$148.5 million in December 2023 to support water system improvements. These funds along with I&E and SRF low-interest loans are funding the capital program.

Chart 2 – Cash Balances - Water Funds as of April 2024

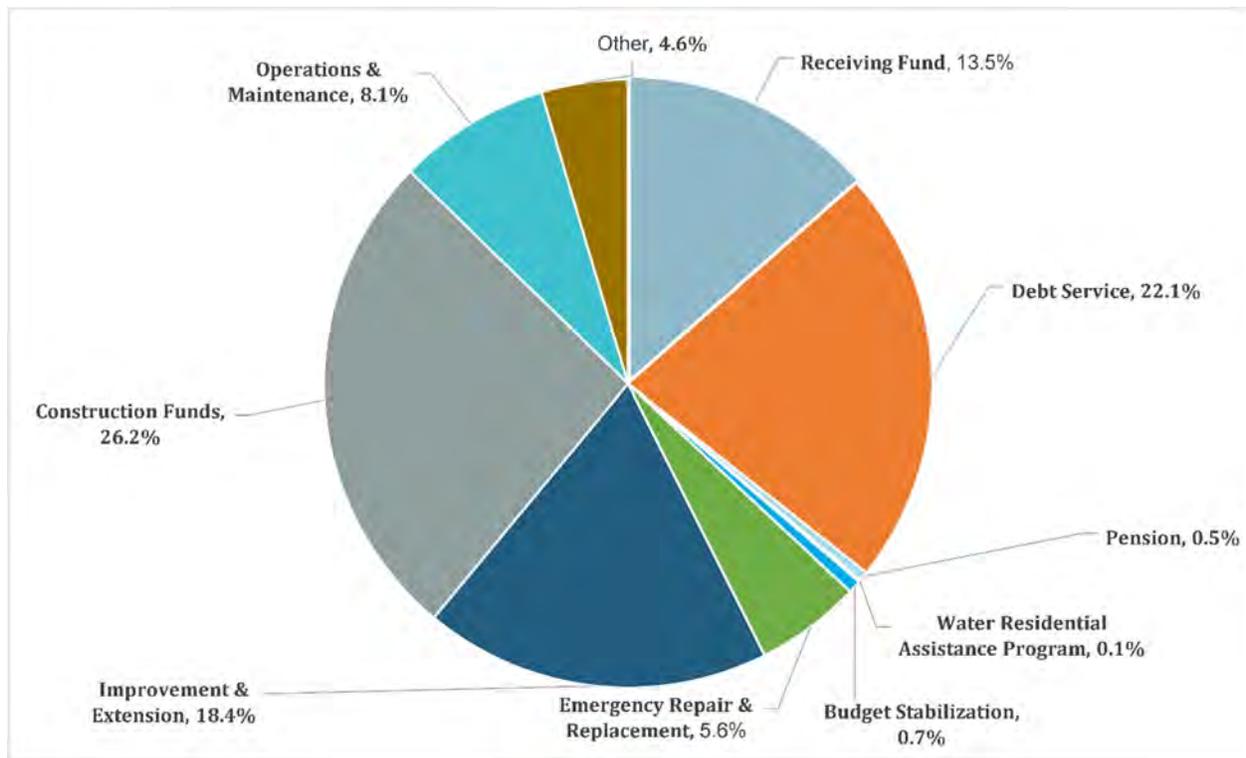


Note: Due to rounding totals may not equal 100%.

Chart 3 – Cash Balances - Sewer Funds as of April 2024 - Shows the allocation of the balance among the different funds defined in the section above. The total cash balance for Sewer Funds as of April 30, 2024 is \$779 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.

In conjunction with the Water Fund transaction, GLWA completed a bond transaction of \$96.8 million in December 2023 to support sewage disposal system improvements. These funds along with I&E and SRF low-interest loans are currently funding the capital program.

Chart 3 – Cash Balances - Sewer Funds as of April 2024



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 2024 water usage and billed revenue which are provided by DWSD staff. As of April 30, 2024, the DWSD usage was at 104.03% of the budget and billed revenue was at 103.86% 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 2024 - Original Budget		FY 2024 - Actual		FY 2024 - Variance		FY 2023 - Actuals	
	Volume Mcf	Revenue \$	Volume Mcf	Revenue (2) \$	Volume Mcf	Revenue \$	Volume Mcf	Revenue \$
July	239,000	12,068,200	248,307	12,606,397	9,307	538,197	244,749	9,490,589
August	237,000	11,985,000	255,079	12,913,868	18,079	928,868	277,313	13,301,941
September	246,000	12,236,000	214,796	11,119,261	(31,204)	(1,116,739)	234,806	11,591,601
October	216,000	11,118,000	222,908	11,409,427	6,908	291,427	239,062	11,730,809
November	205,000	10,664,000	210,687	10,898,684	5,687	234,684	212,663	10,706,519
December	196,000	10,293,000	214,139	11,246,818	18,139	953,818	222,502	11,073,513
January	197,000	10,334,000	224,414	11,263,184	27,414	929,184	227,748	11,257,742
February	208,000	10,788,000	225,041	11,774,408	17,041	986,408	208,568	10,569,468
March	191,000	10,086,000	206,204	11,096,805	15,204	1,010,805	229,264	11,383,630
April	214,000	11,036,000	213,950	10,552,343	(50)	(483,657)	198,665	10,121,640
May	186,000	10,000,000					241,525	11,820,301
June	225,000	11,489,000					257,749	12,567,250
Total	2,560,000	132,097,200	2,235,526	114,881,194	86,526	4,272,994	2,794,614	135,615,003
Subtotals ytd	2,149,000	110,608,200	2,235,526	114,881,194	86,526	4,272,994		
Achievement of Budget			104.03%	103.86%				

(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
May	12,162,719	7,660,852	4,501,867	58.76%
June	13,467,858	9,123,179	4,344,679	47.62%
July	5,943,286	8,518,373	(2,575,087)	-30.23%
August	11,794,131	9,636,219	2,157,912	22.39%
September	9,790,065	5,082,383	4,707,682	92.63%
October	9,884,937	13,082,745	(3,197,808)	-24.44%
November	10,499,606	10,270,582	229,024	2.23%
December	13,663,688	11,630,994	2,032,694	17.48%
January	8,506,008	8,857,268	(351,261)	-3.97%
February	8,996,740	8,244,713	752,027	9.12%
March	15,842,538	10,417,832	5,424,705	52.07%
April	13,840,518	9,417,449	4,423,069	46.97%
Rolling, 12-Month Total	134,392,092	111,942,589		
Rolling, 12-Month Average	11,199,341	9,328,549		

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

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 2024 sewer billed revenue which are provided by DWSD staff. As of April 30, 2024, the DWSD usage was at 101.08% of the budget and billed revenue was at 98.16% 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 2024 - Original Budget		FY 2024 - Actual		FY 2024 - Variance		FY 2023 - Actuals	
	Volume	Revenue	Volume (2)	Revenue (3)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	200,000	29,187,700	207,574	29,192,723	7,574	5,023	223,661	29,297,748
August	199,000	29,128,000	211,503	29,278,720	12,503	150,720	231,809	29,640,202
September	203,000	29,340,000	178,576	27,476,376	(24,424)	(1,863,624)	197,455	27,523,933
October	182,000	28,119,000	184,383	27,700,095	2,383	(418,905)	194,154	27,375,180
November	172,000	27,526,000	175,498	26,939,338	3,498	(586,662)	172,579	26,525,064
December	165,000	27,111,000	156,164	26,546,712	(8,836)	(564,288)	174,896	26,676,360
January	166,000	27,170,000	182,643	26,882,316	16,643	(287,684)	175,562	26,403,544
February	175,000	27,704,000	179,551	27,455,736	4,551	(248,264)	160,804	25,814,735
March	161,000	26,873,000	165,992	26,725,597	4,992	(147,403)	181,217	26,720,229
April	179,000	27,941,000	179,514	26,737,898	514	(1,203,102)	167,727	26,120,878
May	160,000	26,839,000					195,191	27,508,373
June	188,000	28,475,000					206,163	28,018,277
Total	2,150,000	335,413,700	1,821,398	274,935,511	19,398	(5,164,189)	2,281,218	327,624,524
Subtotals ytd	1,802,000	280,099,700	1,821,398	274,935,511	19,398	(5,164,189)		
Achievement of Budget/Goal			101.08%	98.16%				

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

(2) Reflects billed volume based on actual usage except for residential customers where the billed volume differs from actual usage due to residential sewer volume caps implemented in FY 2023.

(3) Retail Revenues include Miscellaneous Revenues and Penalties

Table 4 – DWSD Retail Sewer Collections

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
May	24,419,561	20,952,592	3,466,969	16.55%
June	23,769,626	25,922,279	(2,152,653)	-8.30%
July	32,379,222	30,935,343	1,443,879	4.67%
August	25,391,891	26,064,896	(673,005)	-2.58%
September	23,489,448	15,261,467	8,227,981	53.91%
October	21,610,149	28,182,933	(6,572,784)	-23.32%
November	25,951,736	21,994,899	3,956,838	17.99%
December	23,249,973	23,756,153	(506,180)	-2.13%
January	26,248,512	23,760,629	2,487,883	10.47%
February	24,230,304	23,867,073	363,230	1.52%
March	26,438,687	30,697,464	(4,258,777)	-13.87%
April	23,532,381	21,542,671	1,989,710	9.24%
Rolling 12-Month Total	300,711,490	292,938,399		
Rolling, 12-Month Average	25,059,291	24,411,533		

DWSD Retail Water and Sewer Accounts Receivable Aging Report

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

Table 5 is a summary of the monthly sales, total receivables, bad debt allowance and net water and sewer receivables as of April 30, 2024 with comparative totals from June 30, 2023, June 30, 2022, and June 30, 2021. This table does not include past due accounts that have been transferred to the City of Detroit for collection as tax liens.

The table provides a comparison of days in accounts receivable calculated as net receivables divided by daily sales and confirms that over time days in AR is held in check overall due to a consistent practice of adjusting the allowance for doubtful accounts monthly. To the extent this allowance is adjusted, and bad debt expense is recognized in the DWSD budget, it does not impact GLWA.

Table 6 is a summary of the total, current and non-current water and sewer receivables by category as of April 30, 2024 with comparative totals from April 30, 2023. This table does not include past due accounts that have been transferred to the City of Detroit for collection as tax liens.

The total balance and total bad debt allowance as of April 30, 2024 are reflective of the values in both the Table 5 summary and Table 6 breakdown.

Table 5 – DWSD Retail Accounts Receivable Aging Report – Summary

Summary						
Period Ending	Monthly Sales	Receivables			Days in AR (1)	
		Total	Allowance	Net		
June 30, 2021	\$ 36,335,000	\$ 248,055,000	\$ (200,146,000)	\$ 47,909,000	40	
June 30, 2022	\$ 39,022,000	\$ 300,346,000	\$ (253,924,000)	\$ 46,422,000	36	
June 30, 2023	\$ 39,443,000	\$ 327,023,000	\$ (272,012,000)	\$ 55,011,000	42	
April 30, 2024 (2)	\$ 36,502,000	\$ 317,319,000	\$ (256,691,000)	\$ 60,627,000	50	

Totals may be off due to rounding

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

(2) The annual AR Tax Roll Transfer totaling \$22,892,000 was made in October 2023.

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

Sales Class	Avg.					
	Balance	Current	> 30 Days	> 60 Days	> 180 Days	A/R Balance
Residential	\$ 860.12	\$ 16,009,000	\$ 11,011,000	\$ 33,578,000	\$ 128,432,000	\$ 189,030,000
		8.5%	5.8%	17.8%	67.9%	100.0%
Commercial	1,291.84	7,090,000	2,502,000	6,069,000	12,020,000	27,680,000
		25.6%	9.0%	21.9%	43.4%	100.0%
Industrial	3,669.53	5,425,000	850,000	2,139,000	5,163,000	13,577,000
		40.0%	6.3%	15.8%	38.0%	100.0%
Tax Exempt	671.78	557,000	203,000	551,000	1,258,000	2,568,000
		21.7%	7.9%	21.5%	49.0%	100.0%
Government	493.15	5,332,000	553,000	1,592,000	15,190,000	22,667,000
		23.5%	2.4%	7.0%	67.0%	100.0%
Drainage	610.93	2,269,000	1,299,000	4,137,000	19,769,000	27,474,000
		8.3%	4.7%	15.1%	72.0%	100.0%
Subtotal - Active Accounts	\$ 833.18	\$ 36,681,000	\$ 16,418,000	\$ 48,066,000	\$ 181,832,000	\$ 282,996,000
		13.0%	5.8%	17.0%	64.3%	100.0%
Inactive Accounts	96.39	142,000	402,000	1,347,000	32,431,000	34,322,000
		0.4%	1.2%	3.9%	94.5%	100.0%
Total	\$ 456.08	\$ 36,823,000	\$ 16,820,000	\$ 49,413,000	\$ 214,263,000	\$ 317,319,000
% of Total A/R		11.6%	5.3%	15.6%	67.5%	100.0%
Water Fund	95.26	\$ 10,923,000	\$ 4,403,000	\$ 11,788,000	\$ 39,166,000	\$ 66,279,000
Sewer Fund	361.44	\$ 25,899,000	\$ 12,418,000	\$ 37,625,000	\$ 175,097,000	\$ 251,039,000
Total April 30, 2024 (a)	\$ 456.08	\$ 36,823,000	\$ 16,820,000	\$ 49,413,000	\$ 214,263,000	\$ 317,319,000
Water Fund- Allowance						\$ (48,345,000)
Sewer Fund- Allowance						\$ (203,564,000)
Total Bad Debt Allowance						\$ (256,691,000)
Comparative - April 2023 (b)	\$ 492.83	\$ 37,766,000	\$ 16,404,000	\$ 45,262,000	\$ 229,689,000	\$ 329,122,000
Difference (a) - (b)	\$ (943,000)	\$ (943,000)	\$ 416,000	\$ 4,150,000	\$ (15,426,000)	\$ (11,803,000)

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024



The Monthly Wholesale Billings and Collections Report includes the following.

1. Wholesale Water Billings and Collections
2. Wholesale Sewer Billings and Collections
3. Wholesale Water & Sewer Accounts Receivable Aging Reports

Wholesale Water Billings and Collections

Wholesale Water Contracts: Great Lakes Water Authority (GLWA) provides wholesale water service to 86 member-partners through a variety of service arrangements.

Service Arrangement Type

Model Contracts	85
Emergency	0
No Contracts	<u>1</u>
Total	<u>86</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 2024 water billed usage and revenues. As of April 30, 2024, the billed usage was at 95.40% of the original plan and billed revenue at 98.24% of the original plan. Billings and usage from the City of Flint are included as they were assumed in the FY 2024 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. Current year collections are trending above the prior year for the twelve-month period ending April 30, 2024.

Table 1 – FY 2024 Wholesale Water Billings Report

WHOLESALE WATER CHARGES								
Month (1)	FY 2024 Charges (2)		FY 2024 Actual		FY 2024 Variance		FY 2023 Actuals	
	Volume	Revenue	Volume	Revenue (4)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	1,607,433	34,283,300	1,396,012	31,956,320	(211,421)	(2,326,980)	1,664,936	34,349,872
August	1,469,739	32,797,900	1,295,617	30,947,078	(174,122)	(1,850,822)	1,418,347	31,555,444
September	1,284,305	30,543,500	1,212,814	29,862,077	(71,491)	(681,423)	1,308,481	30,306,713
October	1,037,450	27,748,500	1,043,901	27,856,141	6,451	107,641	1,055,245	27,391,089
November	898,776	26,395,000	899,934	26,481,380	1,158	86,380	906,669	25,911,801
December	966,122	26,990,700	947,841	26,904,465	(18,281)	(86,235)	990,177	26,652,607
January	963,772	27,002,600	984,406	27,231,881	20,634	229,281	979,573	26,536,118
February	874,396	26,142,700	877,428	26,143,840	3,032	1,140	869,843	25,535,320
March	960,207	26,930,300	930,938	26,675,356	(29,269)	(254,944)	961,541	26,356,490
April	917,893	26,581,600	886,646	26,342,756	(31,247)	(238,844)	917,599	25,997,955
May	1,136,342	29,098,000	-	-	-	-	1,169,448	28,895,975
June	1,460,066	32,678,300	-	-	-	-	1,570,958	33,407,419
Total	13,576,500	347,192,400	10,475,537	280,401,294	(504,555)	(5,014,806)	13,812,817	342,896,802
<i>Subtotals ytd</i>	<i>10,980,092</i>	<i>285,416,100</i>	<i>10,475,537</i>	<i>280,401,294</i>	<i>(504,555)</i>	<i>(5,014,806)</i>		
<i>Achievement of Original Plan</i>			<i>95.40%</i>	<i>98.24%</i>				
<i>Billing Adjustments (5)</i>			<i>8,009</i>	<i>109,342</i>				
			<i>10,483,546</i>	<i>280,510,636</i>				
			<i>100.19%</i>	<i>99.95%</i>				

(1) Figures are stated as "Service Months"; that is, July figures represent bills issued in August, etc.
 (2) Charges are based on the approved FY 2024 water supply system charge schedule.
 (3) Reflects approved budget amendments related to commodity usage
 (4) Water Revenues differ from Table 1A because amounts are reduced by the monthly payment to the City of Flint for a license to raw water rights under the Flint Raw Water Contract in Table 1A
 (5) Reflects prior period adjustments made in the current year for Madison Heights.

Table 2 - Wholesale Water Collections

Water				
Month	Current Year	Prior Year	Variance	Ratio
May	29,265,308	27,717,969	(27,717,969)	-100.00%
June	29,370,704	26,379,503	2,991,201	11.34%
July	22,645,008	14,435,092	8,209,916	56.87%
August	36,275,672	41,154,992	(4,879,320)	-11.86%
September	29,955,755	21,887,632	8,068,123	36.86%
October	26,617,271	38,029,648	(11,412,377)	-30.01%
November	35,490,010	30,903,329	4,586,681	14.84%
December	28,246,829	34,298,469	(6,051,640)	-17.64%
January	24,448,936	19,182,054	5,266,882	27.46%
February	29,100,065	26,553,529	2,546,536	9.59%
March	24,740,554	26,074,213	(1,333,659)	-5.11%
April	26,856,179	20,940,451	5,915,728	28.25%
Rolling 12-Month Total	343,012,292	327,556,880		
Rolling, 12-Month Average	28,584,358	27,296,407		

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 Contracts	14
Emergency	0
Older Contracts	<u>4</u>
Total	<u><u>18</u></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 2024 sewer billed revenue. As of April 30, 2024 the billed revenue is at 100.00% of the original plan.

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

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

The shift in wholesale sewer collection patterns is largely attributable to the timing of payments received. There are several large accounts whose payments swing between the end of the current month and the beginning of the next month. Current year collections are trending above the twelve-month period ending April 30, 2024.

Table 3 – FY 2024 Wholesale Sewer Billings Report

WHOLESALE SEWER CHARGES								
Month (1)	FY 2024 Charges		FY 2024 - Actual		FY 2024 - Variance		FY 2023 - Actuals	
	Volume (2)	Revenue	Volume (2)	Revenue	Volume (2)	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
August	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
September	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
October	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
November	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
December	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
January	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
February	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
March	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
April	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100
May	N/A	23,494,800	N/A	0	N/A	-	N/A	22,888,100
June	N/A	23,494,800	N/A	0	N/A	-	N/A	22,888,100
Total		281,937,600		234,948,000		-		274,657,200
Subtotals ytd		234,948,000		234,948,000		-		
Achievement of Budget						100.00%		

(1) Figures are stated as "Service Months"; that is, July figures represent bills issued in August, etc.
 (2) Not tracked as part of the wholesale sewer charges.

Table 4 - Wholesale Sewer Collections

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
May	18,213,966	10,226,700	7,987,266	78.10%
June	38,287,549	29,659,245	8,628,304	29.09%
July	22,331,831	28,223,515	(5,891,684)	-20.88%
August	22,377,366	21,036,661	1,340,705	6.37%
September	18,770,419	22,244,437	(3,474,018)	-15.62%
October	23,107,016	24,707,249	(1,600,233)	-6.48%
November	27,958,885	19,882,939	8,075,946	40.62%
December	21,351,498	18,314,222	3,037,276	16.58%
January	21,117,470	17,636,972	3,480,498	19.73%
February	27,856,400	33,102,769	(5,246,369)	-15.85%
March	23,460,900	23,746,469	(285,569)	-1.20%
April	18,685,600	17,769,710	915,890	5.15%
Rolling 12-Month Total	283,518,901	266,550,888		
Rolling, 12-Month Average	23,626,575	22,212,574		

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 5 - Wholesale Accounts Receivable Aging Report Summary is a summary of the total, current and non-current receivables by category as of April 30, 2024.

Table 6 - Wholesale Accounts Receivable Aging Report, Net of Dearborn is the same summary *without* the past due balances for the City of Dearborn. There is one past due amount related to water and IWC. GLWA staff is working with the community to address.

The largest past due Pollutant Surcharge account paid their past due balance in early May. The second largest past due account paid their past due balance in early June. The remaining past due balances consist of smaller account holders that GLWA staff continue to communicate with.

Table 5 - Wholesale Accounts Receivable Aging Report Summary

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 40,572,846.18	\$34,087,506.63	\$ 886,838.92	\$ 974,752.23	\$ 4,623,748.40
Sewer	\$ 18,947,222.64	\$ 18,947,222.64	\$ -	\$ -	\$ -
IWC	\$ 480,214.36	\$ 480,023.26	\$ 191.10	\$ -	\$ -
Pollutant Surcharge	\$ 425,837.07	\$ 365,838.63	\$ 26,687.28	\$ 11,788.84	\$ 21,522.32
Total	\$ 60,426,120.25	\$ 53,880,591.16	\$ 913,717.30	\$ 986,541.07	\$ 4,645,270.72
	100.00%	89.17%	1.51%	1.63%	7.69%

Table 6 - Wholesale Accounts Receivable Aging Report, Net Dearborn

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 32,389,611.11	\$ 32,389,611.11	\$ -	\$ -	\$ -
Sewer	\$ 18,947,222.64	\$ 18,947,222.64	\$ -	\$ -	\$ -
IWC	\$ 480,214.36	\$ 480,023.26	\$ 191.10	\$ -	\$ -
Pollutant Surcharge	\$ 425,837.07	\$ 365,838.63	\$ 26,687.28	\$ 11,788.84	\$ 21,522.32
Total	\$ 52,242,885.18	\$ 52,182,695.64	\$ 26,878.38	\$ 11,788.84	\$ 21,522.32
	100.00%	99.88%	0.05%	0.02%	0.04%



The Monthly Trust Receipts & Disbursements Report includes the following.

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

GLWA Trust Receipts & Disbursements

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

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

Table 1 – GLWA Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2024 reflects ten months of activity to date.

Water fund receipts exceeded required disbursements by 7% through April 30, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 8% since July 1, 2019.

Sewer fund receipts exceeded required disbursements by 2% through April 30, 2024 in line with the four-year historical average ratio of required receipts exceeding disbursements by 6% since July 1, 2019.

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 2020	FY 2021	FY 2022	FY 2023	FY 2024 Thru Apr 30
Water					
1 Receipts	\$ 332,606,196	\$ 336,642,021	\$ 338,117,694	\$ 363,335,474	\$ 317,414,707
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	332,606,196	336,642,021	338,117,694	363,335,474	317,414,707
4 Disbursements	(296,190,425)	(308,713,407)	(316,495,360)	(349,186,375)	(296,974,726)
5 Receipts Net of Required Transfers	36,415,771	27,928,614	21,622,334	14,149,099	20,439,981
6 I&E Transfer	(25,719,751)	(31,991,687)	(26,622,862)	(9,898,100)	(28,618,500)
7 Net Receipts	\$ 10,696,020	\$ (4,063,073)	\$ (5,000,528)	\$ 4,250,999	\$ (8,178,519)
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	112%	109%	107%	104%	107%
Sewer					
9 Receipts	\$ 490,461,356	\$ 472,871,853	\$ 471,979,297	\$ 498,888,416	\$ 417,197,221
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	490,461,356	472,871,853	471,979,297	498,888,416	417,197,221
12 Disbursements	(445,604,952)	(436,600,883)	(450,701,751)	(473,516,238)	(409,672,713)
13 Receipts Net of Required Transfers	44,856,404	36,270,970	21,277,546	25,372,178	7,524,508
14 I&E Transfer	(19,096,200)	(40,504,727)	(37,651,788)	(26,766,200)	(12,468,000)
15 DWSD Shortfall Advance	-	-	-	-	-
16 Shortfall Repayment (principal)	17,542,669	18,206,431	8,296,578	-	-
17 Net Receipts	\$ 43,302,873	\$ 13,972,674	\$ (8,077,664)	\$ (1,394,022)	\$ (4,943,492)
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	110%	108%	105%	105%	102%
Combined					
19 Receipts	\$ 823,067,552	\$ 809,513,874	\$ 810,096,991	\$ 862,223,890	\$ 734,611,928
20 MOU Adjustments	-	-	-	-	-
21 Adjusted Receipts	823,067,552	809,513,874	810,096,991	862,223,890	734,611,928
22 Disbursements	(741,795,377)	(745,314,290)	(767,197,111)	(822,702,613)	(706,647,439)
23 Receipts Net of Required Transfers	81,272,175	64,199,584	42,899,880	39,521,277	27,964,489
24 I&E Transfer	(44,815,951)	(72,496,414)	(64,274,650)	(36,664,300)	(41,086,500)
25 Shortfall Advance	-	-	-	-	-
26 Shortfall Repayment	17,542,669	18,206,431	8,296,578	-	-
27 Net Receipts	\$ 53,998,893	\$ 9,909,601	\$ (13,078,192)	\$ 2,856,977	\$ (13,122,011)
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	111%	109%	106%	105%	104%

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

Chart 1 – GLWA 12-Month Net Receipts – Water

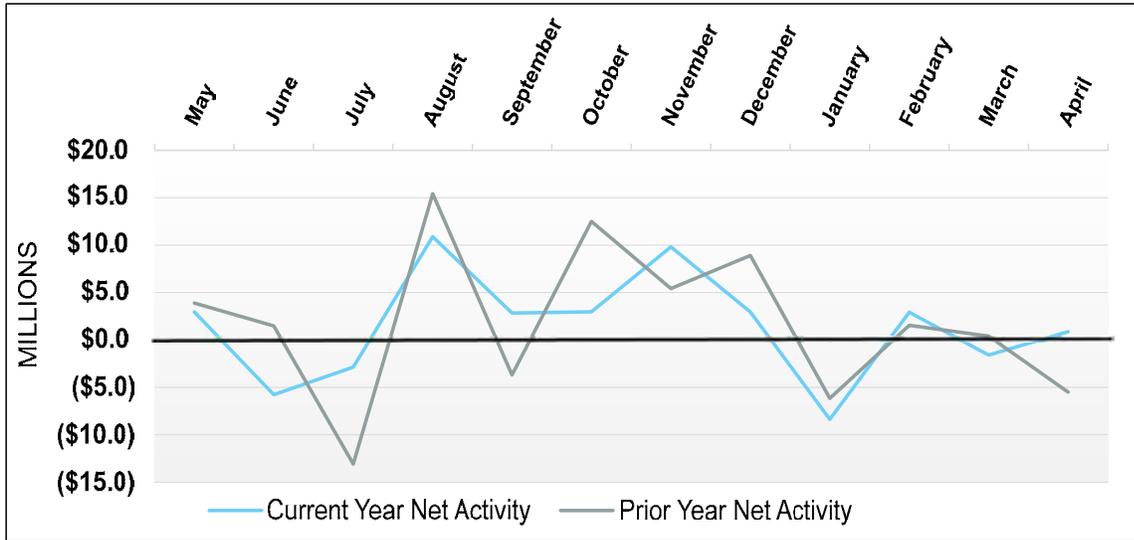
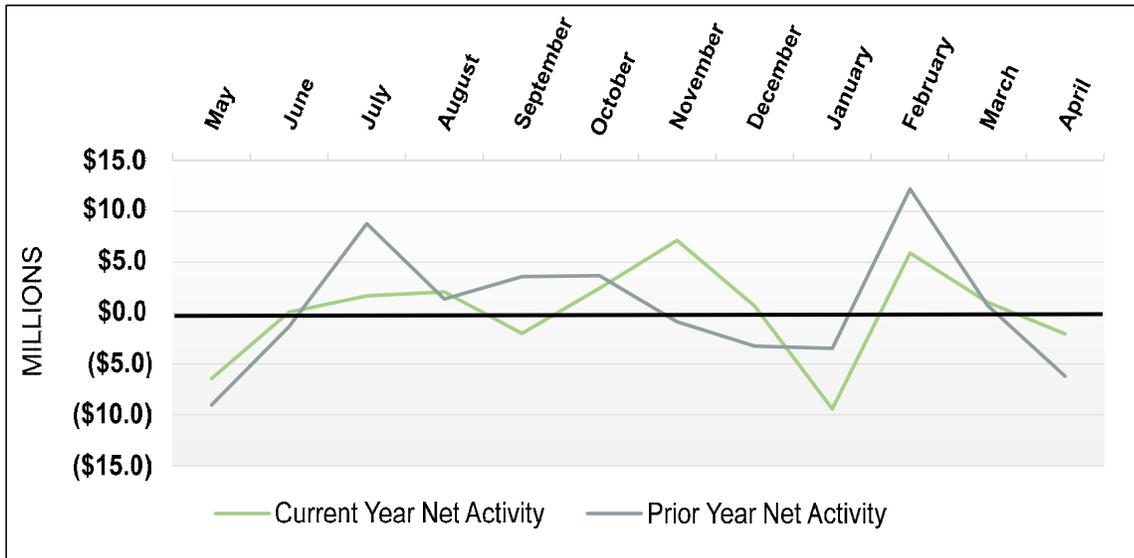


Chart 2 – GLWA 12-Month Net Receipts – Sewer



DWSD Trust Receipts & Disbursements

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

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

Table 2 – DWSD Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2024 reflects ten months of activity to date.

Water fund receipts exceeded required disbursements by 11% through April 30, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 5% since July 1, 2019.

Sewer fund receipts exceeded required disbursements by 5% through April 30, 2024 compared to the four-year historical average of required receipts exceeding disbursements by 3% since July 1, 2019.

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

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024 Thru Apr 30
Water					
1 Receipts	\$ 96,885,723	\$ 102,067,423	\$ 101,964,963	\$ 123,766,624	\$ 108,806,317
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	96,885,723	102,067,423	101,964,963	123,766,624	108,806,317
4 Disbursements	(97,823,097)	(100,707,200)	(94,495,601)	(117,666,100)	(97,969,970)
5 Receipts Net of Required Transfers	(937,374)	1,360,223	7,469,362	6,100,524	10,836,347
6 I&E Transfer	-	-	-	-	-
7 Net Receipts	\$ (937,374)	\$ 1,360,223	\$ 7,469,362	\$ 6,100,524	\$ 10,836,347
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	99%	101%	108%	105%	111%
Sewer					
9 Receipts	\$ 264,689,559	\$ 308,210,767	\$ 291,280,896	\$ 298,896,942	\$ 252,633,704
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	264,689,559	308,210,767	291,280,896	298,896,942	252,633,704
12 Disbursements	(275,507,374)	(295,100,771)	(285,256,000)	(283,095,100)	(240,309,387)
13 Receipts Net of Required Transfers	(10,817,815)	13,109,996	6,024,896	15,801,842	12,324,317
14 I&E Transfer	-	-	-	-	-
15 Shortfall Advance from GLWA	-	-	-	-	-
16 Net Receipts	\$ (10,817,815)	\$ 13,109,996	\$ 6,024,896	\$ 15,801,842	\$ 12,324,317
17 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	96%	104%	102%	106%	105%
Combined					
18 Receipts	\$ 361,575,282	\$ 410,278,190	\$ 393,245,859	\$ 422,663,566	\$ 361,440,021
19 MOU Adjustments	-	-	-	-	-
20 Adjusted Receipts	361,575,282	410,278,190	393,245,859	422,663,566	361,440,021
21 Disbursements	(373,330,471)	(395,807,971)	(379,751,601)	(400,761,200)	(338,279,357)
22 Receipts Net of Required Transfers	(11,755,189)	14,470,219	13,494,258	21,902,366	23,160,664
23 I&E Transfer	-	-	-	-	-
24 Shortfall Advance from GLWA	-	-	-	-	-
25 Net Receipts	\$ (11,755,189)	\$ 14,470,219	\$ 13,494,258	\$ 21,902,366	\$ 23,160,664
26 <i>Ratio of Receipts to Required Disbursements (Line 20/Line 21)</i>	97%	104%	104%	105%	107%

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.

Chart 3 – DWSD 12-Month Net Receipts – Water

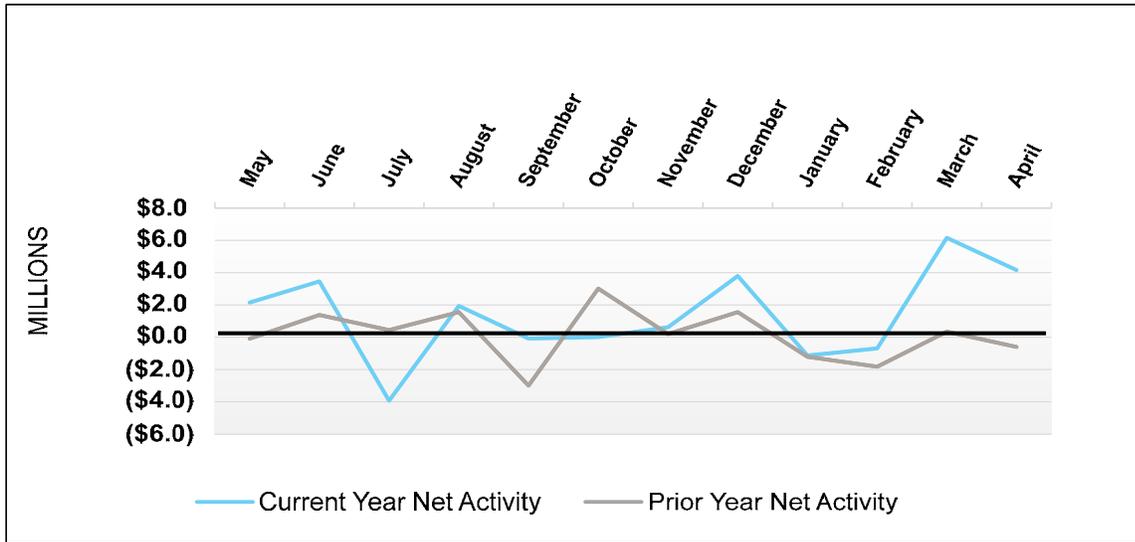
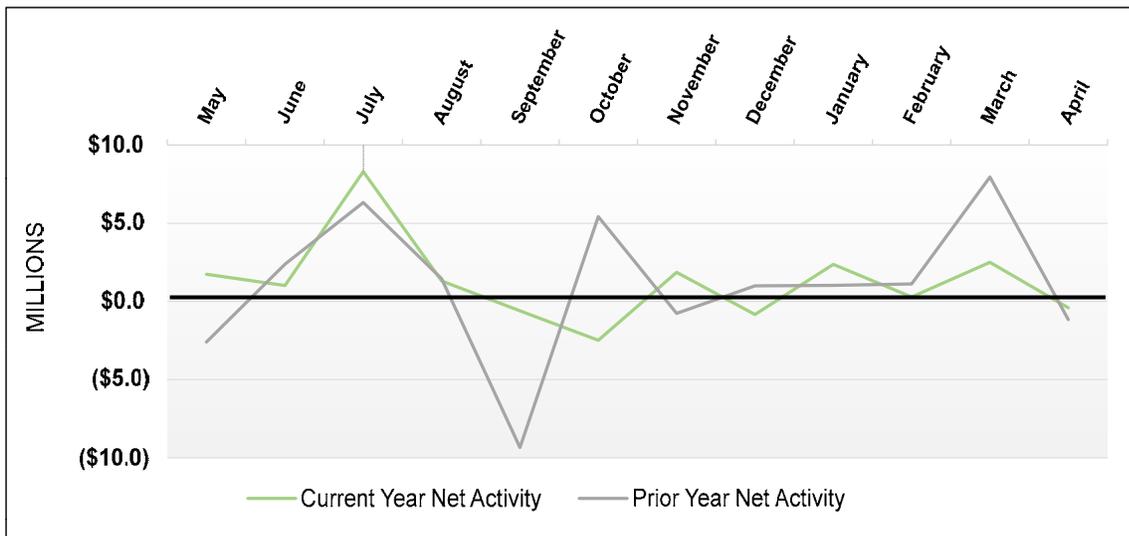


Chart 4 – DWSD 12-Month Net Receipts – Sewer



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 3 – Combined Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2024 reflects ten months of activity to date.

Water fund net receipts exceeded required disbursements by 8% through April 30, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 7% since July 1, 2019.

Sewer fund receipts exceeded required disbursements by 3% through April 30, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 5% since July 1, 2019.

Table 3 – Combined Net Cash Flows from Trust Receipts & Disbursements

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024 Thru Apr 30
Water					
1 Receipts	\$ 429,491,919	\$ 438,709,444	\$ 440,082,657	\$ 487,102,098	\$ 426,221,024
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	429,491,919	438,709,444	440,082,657	487,102,098	426,221,024
4 Disbursements	(394,013,522)	(409,420,607)	(410,990,961)	(466,852,475)	(394,944,696)
5 Receipts Net of Required Transfers	35,478,397	29,288,837	29,091,696	20,249,623	31,276,328
6 I&E Transfer	(25,719,751)	(31,991,687)	(26,622,862)	(9,898,100)	(28,618,500)
7 Net Receipts	\$ 9,758,646	\$ (2,702,850)	\$ 2,468,834	\$ 10,351,523	\$ 2,657,828
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	109%	107%	107%	104%	108%
Sewer					
9 Receipts	\$ 755,150,915	\$ 781,082,620	\$ 763,260,193	\$ 797,785,358	\$ 669,830,925
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	755,150,915	781,082,620	763,260,193	797,785,358	669,830,925
12 Disbursements	(721,112,326)	(731,701,654)	(735,957,751)	(756,611,338)	(649,982,100)
13 Receipts Net of Required Transfers	34,038,589	49,380,966	27,302,442	41,174,020	19,848,825
14 I&E Transfer	(19,096,200)	(40,504,727)	(37,651,788)	(26,766,200)	(12,468,000)
15 Shortfall Advance	-	-	-	-	-
16 Shortfall Repayment (principal)	17,542,669	18,206,431	8,296,578	-	-
17 Net Receipts	\$ 32,485,058	\$ 27,082,670	\$ (2,052,768)	\$ 14,407,820	\$ 7,380,825
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	105%	107%	104%	105%	103%
Combined					
19 Receipts	\$ 1,184,642,834	\$ 1,219,792,064	\$ 1,203,342,850	\$ 1,284,887,456	\$ 1,096,051,949
20 MOU Adjustments	-	-	-	-	-
21 Adjusted Receipts	1,184,642,834	1,219,792,064	1,203,342,850	1,284,887,456	1,096,051,949
22 Disbursements	(1,115,125,848)	(1,141,122,261)	(1,146,948,712)	(1,223,463,813)	(1,044,926,796)
23 Receipts Net of Required Transfers	69,516,986	78,669,803	56,394,138	61,423,643	51,125,153
24 I&E Transfer	(44,815,951)	(72,496,414)	(64,274,650)	(36,664,300)	(41,086,500)
25 Shortfall Advance	-	-	-	-	-
26 Shortfall Repayment	17,542,669	18,206,431	8,296,578	-	-
27 Net Receipts	\$ 42,243,704	\$ 24,379,820	\$ 416,066	\$ 24,759,343	\$ 10,038,653
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	106%	107%	105%	105%	105%

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee July 26, 2024

GLWA Aged Accounts Receivable- WATER

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Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$200,552.96	\$200,552.96	\$0.00	\$0.00	\$0.00
ASH TOWNSHIP	\$74,520.02	\$74,520.02	\$0.00	\$0.00	\$0.00
BELLEVILLE	\$29,003.18	\$29,003.18	\$0.00	\$0.00	\$0.00
BERLIN TOWNSHIP	\$60,947.22	\$60,947.22	\$0.00	\$0.00	\$0.00
BROWNSTOWN TOWNSHIP	\$322,636.20	\$322,636.20	\$0.00	\$0.00	\$0.00
BRUCE TOWNSHIP	\$23,892.13	\$23,892.13	\$0.00	\$0.00	\$0.00
BURTCHVILLE TOWNSHIP	\$37,351.95	\$37,351.95	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$380,646.50	\$380,646.50	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$655,813.92	\$655,813.92	\$0.00	\$0.00	\$0.00
COMMERCE TOWNSHIP	\$289,607.21	\$289,607.21	\$0.00	\$0.00	\$0.00
CENTER LINE	\$87,630.06	\$87,630.06	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$948,003.55	\$948,003.55	\$0.00	\$0.00	\$0.00
DEARBORN	\$8,183,235.07	\$1,697,895.52	\$886,838.92	\$974,752.23	\$4,623,748.40
DEARBORN HEIGHTS	\$344,267.77	\$344,267.77	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$143,259.78	\$143,259.78	\$0.00	\$0.00	\$0.00
ECORSE	\$102,947.18	\$102,947.18	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$1,520,314.45	\$1,520,314.45	\$0.00	\$0.00	\$0.00
FARMINGTON	\$86,799.11	\$86,799.11	\$0.00	\$0.00	\$0.00
FERNDALE	\$97,943.73	\$97,943.73	\$0.00	\$0.00	\$0.00
FLINT	\$411,711.01	\$411,711.01	\$0.00	\$0.00	\$0.00
FLAT ROCK	\$128,100.50	\$128,100.50	\$0.00	\$0.00	\$0.00
FRASER	\$112,046.43	\$112,046.43	\$0.00	\$0.00	\$0.00
GENESEE COUNTY DRAIN COMM	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER

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Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
GARDEN CITY	\$154,095.75	\$154,095.75	\$0.00	\$0.00	\$0.00
GIBRALTAR	\$34,064.63	\$34,064.63	\$0.00	\$0.00	\$0.00
GROSSE ILE TOWNSHIP	\$107,299.13	\$107,299.13	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$220,847.86	\$220,847.86	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$107,351.20	\$107,351.20	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$48,763.69	\$48,763.69	\$0.00	\$0.00	\$0.00
GREATER LAPEER CUA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$78,257.59	\$78,257.59	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$142,448.19	\$142,448.19	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$68,933.88	\$68,933.88	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$80,222.32	\$80,222.32	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$81,674.77	\$81,674.77	\$0.00	\$0.00	\$0.00
HURON TOWNSHIP	\$185,446.20	\$185,446.20	\$0.00	\$0.00	\$0.00
IMLAY CITY	\$124,587.32	\$124,587.32	\$0.00	\$0.00	\$0.00
IMLAY TOWNSHIP (CHAMPION BU	\$954.83	\$954.83	\$0.00	\$0.00	\$0.00
INKSTER	\$119,485.24	\$119,485.24	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$26,324.80	\$26,324.80	\$0.00	\$0.00	\$0.00
LAPEER	\$140,761.28	\$140,761.28	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$30,280.22	\$30,280.22	\$0.00	\$0.00	\$0.00
LINCOLN PARK	\$218,802.86	\$218,802.86	\$0.00	\$0.00	\$0.00
LIVONIA	\$997,937.75	\$997,937.75	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER

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Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MADISON HEIGHTS	\$372,280.32	\$372,280.32	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$1,080,398.77	\$1,080,398.77	\$0.00	\$0.00	\$0.00
MELVINDALE	\$63,193.64	\$63,193.64	\$0.00	\$0.00	\$0.00
MAYFIELD TOWNSHIP (KAMAX)	\$4,299.86	\$4,299.86	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$39,743.63	\$39,743.63	\$0.00	\$0.00	\$0.00
NOCWA	\$3,792,319.34	\$3,792,319.34	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$63,745.78	\$63,745.78	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$445,344.82	\$445,344.82	\$0.00	\$0.00	\$0.00
NOVI	\$758,668.52	\$758,668.52	\$0.00	\$0.00	\$0.00
OAKLAND CO DR COM	\$6,805.53	\$6,805.53	\$0.00	\$0.00	\$0.00
OAK PARK	\$131,547.29	\$131,547.29	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$186,791.47	\$186,791.47	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$402,728.00	\$402,728.00	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$266,286.26	\$266,286.26	\$0.00	\$0.00	\$0.00
RIVER ROUGE	\$51,638.76	\$51,638.76	\$0.00	\$0.00	\$0.00
RIVERVIEW	\$76,824.38	\$76,824.38	\$0.00	\$0.00	\$0.00
ROCKWOOD	\$22,868.23	\$22,868.23	\$0.00	\$0.00	\$0.00
ROMEO	\$6,744.06	\$6,744.06	\$0.00	\$0.00	\$0.00
ROMULUS	\$328,273.88	\$328,273.88	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$244,546.61	\$244,546.61	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$19,659.05	\$19,659.05	\$0.00	\$0.00	\$0.00
SOCWA	\$3,975,249.38	\$3,975,249.38	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$917,360.78	\$917,360.78	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER

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Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SOUTHGATE	\$187,135.24	\$187,135.24	\$0.00	\$0.00	\$0.00
SOUTH ROCKWOOD	\$10,740.29	\$10,740.29	\$0.00	\$0.00	\$0.00
GREENWOOD TWP. (DTE)	\$179,648.66	\$179,648.66	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$280,194.87	\$280,194.87	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$1,308,284.09	\$1,308,284.09	\$0.00	\$0.00	\$0.00
SUMPTER TOWNSHIP	\$67,204.48	\$67,204.48	\$0.00	\$0.00	\$0.00
SYLVAN LAKE	\$20,324.34	\$20,324.34	\$0.00	\$0.00	\$0.00
TAYLOR	\$452,093.58	\$452,093.58	\$0.00	\$0.00	\$0.00
TRENTON	\$162,839.30	\$162,839.30	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$1,165,503.77	\$1,165,503.77	\$0.00	\$0.00	\$0.00
UTICA	\$102,810.91	\$102,810.91	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$285,792.04	\$285,792.04	\$0.00	\$0.00	\$0.00
ALMONT VILLAGE	\$21,092.67	\$21,092.67	\$0.00	\$0.00	\$0.00
WALLED LAKE	\$71,336.08	\$71,336.08	\$0.00	\$0.00	\$0.00
WARREN	\$877,981.80	\$877,981.80	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$190,007.03	\$190,007.03	\$0.00	\$0.00	\$0.00
WAYNE	\$170,169.17	\$170,169.17	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$1,826,880.22	\$1,826,880.22	\$0.00	\$0.00	\$0.00
WESTLAND	\$549,056.72	\$549,056.72	\$0.00	\$0.00	\$0.00
WIXOM	\$210,881.37	\$210,881.37	\$0.00	\$0.00	\$0.00
WOODHAVEN	\$126,646.14	\$126,646.14	\$0.00	\$0.00	\$0.00
YCUA	\$1,839,135.61	\$1,839,135.61	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER

64

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
TOTAL WATER	\$40,572,846.18	\$34,087,506.63	\$886,838.92	\$974,752.23	\$4,623,748.40

GLWA Aged Accounts Receivable- SEWER

65

Balances as of 04/30/24

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	\$89,299.50	\$89,299.50	\$0.00	\$0.00	\$0.00
DEARBORN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FARMINGTON	\$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
GROSSE POINTE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$346,100.00	\$346,100.00	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$404,200.00	\$404,200.00	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MELVINDALE	\$134,700.00	\$134,700.00	\$0.00	\$0.00	\$0.00
EVERGREEN-FARMINGTON	\$3,099,400.00	\$3,099,400.00	\$0.00	\$0.00	\$0.00
OAKLAND COUNTY GWK DD	\$3,971,300.00	\$3,971,300.00	\$0.00	\$0.00	\$0.00
OMID	\$6,108,423.14	\$6,108,423.14	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROUGE VALLEY	\$4,789,300.00	\$4,789,300.00	\$0.00	\$0.00	\$0.00
SOUTHEAST MACOMB SANITATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WAYNE COUNTY-AREA #3	\$4,500.00	\$4,500.00	\$0.00	\$0.00	\$0.00
TOTAL SEWER	\$18,947,222.64	\$18,947,222.64	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC

66

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$1,650.74	\$1,650.74	\$0.00	\$0.00	\$0.00
AUBURN HILLS (C-O)	\$11,717.16	\$11,717.16	\$0.00	\$0.00	\$0.00
AUBURN HILLS (E-F)	\$404.04	\$404.04	\$0.00	\$0.00	\$0.00
AUBURN HILLS (C-O) ADMIN	\$1,985.30	\$1,985.30	\$0.00	\$0.00	\$0.00
BERKLEY	\$3,235.96	\$3,235.96	\$0.00	\$0.00	\$0.00
BEVERLY HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BINGHAM FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BIRMINGHAM (SEOC)	\$5,824.00	\$5,824.00	\$0.00	\$0.00	\$0.00
BIRMINGHAM (E-F)	\$2,504.32	\$2,504.32	\$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
CHESTERFIELD TOWNSHIP	\$13,358.80	\$13,358.80	\$0.00	\$0.00	\$0.00
CITY OF ROCHESTER	\$3,812.90	\$3,812.90	\$0.00	\$0.00	\$0.00
CLARKSTON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLARKSTON (C-O) ADMIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLAWSON	\$3,148.61	\$3,148.61	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$27,687.66	\$27,687.66	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$87.36	\$87.36	\$0.00	\$0.00	\$0.00
CITY OF FARMINGTON (E-F)	\$205.66	\$205.66	\$0.00	\$0.00	\$0.00
CENTER LINE	\$5,336.24	\$5,336.24	\$0.00	\$0.00	\$0.00
DEARBORN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN HEIGHTS	\$9,982.70	\$9,982.70	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC

67

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
EASTPOINTE	\$13,111.55	\$13,111.55	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$ (491.40)	\$ (491.40)	\$0.00	\$0.00	\$0.00
FARMINGTON	\$4,167.80	\$4,167.80	\$0.00	\$0.00	\$0.00
CITY OF FERNDALE	\$9,118.20	\$9,118.20	\$0.00	\$0.00	\$0.00
VILLAGE OF FRANKLIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FRASER	\$5,077.80	\$5,077.80	\$0.00	\$0.00	\$0.00
GARDEN CITY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$2,138.50	\$2,138.50	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$1,210.30	\$1,210.30	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$3,072.16	\$3,072.16	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$8,546.72	\$8,546.72	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$3,357.90	\$3,357.90	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$3,463.46	\$3,463.46	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$3,727.36	\$3,727.36	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$1,838.20	\$1,838.20	\$0.00	\$0.00	\$0.00
HUNTINGTON WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CHARTER TOWNSHIP OF INDEPEN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
INDEPENDENCE (C-O) ADMIN	\$1,327.95	\$1,327.95	\$0.00	\$0.00	\$0.00
INKSTER	\$5,692.96	\$5,692.96	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$703.35	\$703.35	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC

68

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
LATHRUP	\$1,439.62	\$1,439.62	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$333.06	\$333.06	\$0.00	\$0.00	\$0.00
LIVONIA	\$42,178.50	\$42,178.50	\$0.00	\$0.00	\$0.00
VILLAGE OF LAKE ORION	\$822.64	\$822.64	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$211.12	\$211.12	\$0.00	\$0.00	\$0.00
MELVINDALE	\$3,599.96	\$3,599.96	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$629.72	\$629.72	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$2,396.94	\$2,396.94	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NOVI	\$18,336.50	\$18,336.50	\$0.00	\$0.00	\$0.00
OAK PARK	\$7,189.00	\$7,189.00	\$0.00	\$0.00	\$0.00
OAKLAND TOWNSHIP	\$14.56	\$14.56	\$0.00	\$0.00	\$0.00
ORCHARD LAKE VILLAGE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ORION TOWNSHIP (C-O)	\$4,531.80	\$4,531.80	\$0.00	\$0.00	\$0.00
OXFORD VILLAGE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OXFORD TOWNSHIP	\$1,146.60	\$1,146.60	\$0.00	\$0.00	\$0.00
PLEASANT RIDGE	\$223.86	\$223.86	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$3,993.08	\$3,993.08	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$280.28	\$280.28	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROCHESTER HILLS	\$19,537.70	\$19,537.70	\$0.00	\$0.00	\$0.00
ROMULUS	\$800.80	\$800.80	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC

69

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ROSEVILLE	\$15,109.64	\$15,109.64	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROYAL OAK	\$13,997.62	\$13,997.62	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$15,431.78	\$15,431.78	\$0.00	\$0.00	\$0.00
SOUTHFIELD (E-F)	\$29,473.08	\$29,473.08	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$12,399.66	\$12,399.66	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$33,102.16	\$33,102.16	\$0.00	\$0.00	\$0.00
SOUTHFIELD (SEOC)	\$3,410.68	\$3,410.68	\$0.00	\$0.00	\$0.00
TROY (E-F)	\$393.12	\$393.12	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$38,862.46	\$38,862.46	\$0.00	\$0.00	\$0.00
UTICA	\$3,123.12	\$3,123.12	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$4,708.34	\$4,517.24	\$191.10	\$0.00	\$0.00
WATERFORD TOWNSHIP DPW	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ORION TOWNSHIP (C-O) ADMIN	\$534.60	\$534.60	\$0.00	\$0.00	\$0.00
WATERFORD TOWNSHIP DPW (ADM)	\$3,229.58	\$3,229.58	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WAYNE	\$5,137.86	\$5,137.86	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP. (C-O)	\$482.67	\$482.67	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (E-F)	\$12,462.51	\$12,462.51	\$0.00	\$0.00	\$0.00
WESTLAND	\$23,685.48	\$23,685.48	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC

70

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
TOTAL IWC	\$480,214.36	\$480,023.26	\$191.10	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

71

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
AACTRON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ACADEMY PACKING CO.	\$184.58	\$184.58	\$0.00	\$0.00	\$0.00
ACME RUSTPROOF	\$77.38	\$59.58	\$17.80	\$0.00	\$0.00
VALICOR ENVIROMENTAL SERVIC	\$142.10	\$142.10	\$0.00	\$0.00	\$0.00
ADVANCE ENGINEERING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AEVITAS SPECIALITY SERVICES	\$1,824.41	\$1,824.41	\$0.00	\$0.00	\$0.00
ALEXANDER & HORNING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ALEXANDER & HORNING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ALL CHEM CORP, LLC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ALPHA STAMPING COMPANY	\$167.22	\$167.22	\$0.00	\$0.00	\$0.00
AMERICAN WASTE TECH INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
A & R PACKING CO., LLC	\$2,243.97	\$2,243.97	\$0.00	\$0.00	\$0.00
MELLO MEATS INC, - KUBISCH	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS PROD BREWER	\$4,178.79	\$0.00	\$0.00	\$0.00	\$4,178.79
AUTOMOTIVE FINISH	\$3.34	\$3.34	\$0.00	\$0.00	\$0.00
BARTZ BAKERY	\$41.39	\$41.39	\$0.00	\$0.00	\$0.00
BAYS MICHIGAN CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BEIRUT BAKERY, INC.	\$37.00	\$0.00	\$0.00	\$0.00	\$37.00
NEAPCO DRIVELINES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BETTER MADE SNACK FOOD	\$6,964.31	\$6,964.31	\$0.00	\$0.00	\$0.00
AXLE BREWING COMPANY, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ETON ST BREWERY- GRIFFIN CL	\$1,351.44	\$1,351.44	\$0.00	\$0.00	\$0.00
BOZEK'S MARKET	\$(2,080.82)	\$0.00	\$0.00	\$0.00	\$(2,080.82)

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

72

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
BROADWAY MKT CORNED BEEF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CANTON BREW WORKS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CAPITOL REPRODUCTIONS	\$(1.49)	\$0.00	\$0.00	\$0.00	\$(1.49)
CF BURGER CREAMERY	\$24,553.84	\$24,553.84	\$0.00	\$0.00	\$0.00
CHILANGO'S BAKERY	\$56.49	\$31.93	\$15.37	\$9.19	\$0.00
APPLIED TECHNOLOGY INDUSTRI	\$659.87	\$659.87	\$0.00	\$0.00	\$0.00
DUBOIS CHEMICALS, INC.	\$1,010.57	\$1,010.57	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$13,546.47	\$0.00	\$13,546.47	\$0.00	\$0.00
CINTAS CORPORATION	\$6,706.08	\$0.00	\$2,236.07	\$4,470.01	\$0.00
CINTAS CORP. - MACOMB TWP.	\$25,490.48	\$25,490.48	\$0.00	\$0.00	\$0.00
CITY LAUNDRY, INC.	\$14.42	\$14.42	\$0.00	\$0.00	\$0.00
PARKER'S HILLTOP BREWER & S	\$66.31	\$66.31	\$0.00	\$0.00	\$0.00
CLASSIC CONTAINER CORP.	\$116.35	\$116.35	\$0.00	\$0.00	\$0.00
BLACK LOTUS BREWING CO.	\$61.25	\$0.00	\$0.00	\$0.00	\$61.25
HENRY FORD MACOMB HOSPITAL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CHARTER TOWNSHIP OF CLINTON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CHIEFTAN COATING, LLC.	\$3,131.41	\$3,131.41	\$0.00	\$0.00	\$0.00
GREAT BARABOO BREWING CO.	\$86.31	\$86.31	\$0.00	\$0.00	\$0.00
UNITED LINEN SERVICE, LLC.	\$317.74	\$317.74	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

73

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COUNTRY FRESH DAIRY CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CROSS CHEMICAL COMPANY, INC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DARLING INGREDIENTS, INC.	\$2,758.68	\$2,758.68	\$0.00	\$0.00	\$0.00
QUAKER HOUGHTON - PLANT #2	\$64.99	\$64.99	\$0.00	\$0.00	\$0.00
QUAKER HOUGHTON - PLANT #2	\$ (162.90)	\$0.00	\$0.00	\$0.00	\$ (162.90)
QUAKER HOUGHTON - PLANT #2	\$1,484.94	\$1,484.94	\$0.00	\$0.00	\$0.00
VALICOR ENVIRONMENTAL SERVI	\$1,429.98	\$1,429.98	\$0.00	\$0.00	\$0.00
DEARBORN BREWING	\$61.99	\$13.24	\$0.00	\$18.04	\$30.71
DEARBORN SAUSAGE CO., INC.	\$6,211.09	\$6,211.09	\$0.00	\$0.00	\$0.00
DOWNEY BREWING COMPANY	\$14.49	\$14.49	\$0.00	\$0.00	\$0.00
DETROIT LINEN SERVICE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FOUNDERS BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BATCH BREWING COMPANY	\$65.59	\$65.59	\$0.00	\$0.00	\$0.00
DETROIT BEER CO.	\$138.00	\$56.79	\$0.00	\$81.21	\$0.00
DANA CONTAINER, INC.	\$682.03	\$682.03	\$0.00	\$0.00	\$0.00
EASTERN MARKET BREWING COMP	\$13.70	\$6.85	\$0.00	\$6.85	\$0.00
MCCLURE'S PICKLES	\$192.98	\$192.98	\$0.00	\$0.00	\$0.00
VAUGHAN INDUSTRIES, INC.	\$36.65	\$36.65	\$0.00	\$0.00	\$0.00
CLEAN EARTH OF MICHIGAN, LL	\$5.59	\$5.59	\$0.00	\$0.00	\$0.00
LIQUID ENVIRONMENTAL SOLUTI	\$3,180.67	\$2,503.00	\$491.94	\$185.73	\$0.00
3M COMPANY (MINNESOTA MININ	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

74

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
AMERITI MANUFACTURING LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
INTRASTATE DISTRIBUTORS	\$2,974.55	\$2,974.55	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT SAUSAGES CO INC	\$20.67	\$20.67	\$0.00	\$0.00	\$0.00
COCA-COLA REFRESHMENTS USA,	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT RIVERTOWN BREWERY C	\$257.77	\$257.77	\$0.00	\$0.00	\$0.00
MOTOR CITY BREWING WORKS	\$143.85	\$54.80	\$0.00	\$89.05	\$0.00
TRAFFIC JAM & SNUG	\$(31.16)	\$0.00	\$0.00	\$0.00	\$(31.16)
THERMO FISHER SCIENTIFIC	\$56,159.38	\$24,142.94	\$7,531.40	\$6,517.77	\$17,967.27
BREW DETROIT	\$6,434.01	\$6,434.01	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO., PLAN	\$2,864.79	\$2,864.79	\$0.00	\$0.00	\$0.00
DIFCO LABORATORIES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DIVERSIFIED CHEM TECH. INC.	\$141.85	\$141.85	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$2,604.20	\$2,604.20	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$1,277.81	\$1,277.81	\$0.00	\$0.00	\$0.00
DEARBORN SAUSAGE	\$4,073.46	\$4,073.46	\$0.00	\$0.00	\$0.00
LEAR CORPORATION DBA EAGLE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ENVIROSOLIDS, L.L.C.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$752.15	\$752.15	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$1,250.07	\$1,250.07	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$24.14	\$24.14	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

75

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
US ECOLOGY ROMULUS, INC.	\$4,528.08	\$4,528.08	\$0.00	\$0.00	\$0.00
EXTRUDEHODE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FIVES CINETIC CORP.	\$1,228.43	\$1,228.43	\$0.00	\$0.00	\$0.00
FARMINGTON BREWING COMPANY	\$2.61	\$2.61	\$0.00	\$0.00	\$0.00
FAYGO BEVERAGES, INC.	\$6,910.66	\$6,910.66	\$0.00	\$0.00	\$0.00
B. NEKTAR MEADERY	\$61.24	\$14.67	\$0.00	\$46.57	\$0.00
URBANREST BREWING COMPANY	\$329.28	\$109.76	\$0.00	\$109.76	\$109.76
WOODWARD AVENUE BREWERS	\$144.24	\$0.00	\$0.00	\$0.00	\$144.24
FITZGERALD FINISHING LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FORD NEW MODEL PROGRAM	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LIQUID ENVIRONMENTAL OF ILL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ADORING PET FUNERAL HOME	\$169.45	\$162.07	\$7.38	\$0.00	\$0.00
FRESH-PAK	\$567.12	\$567.12	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GENERAL LINEN SUPPLY CO.	\$6,563.64	\$6,563.64	\$0.00	\$0.00	\$0.00
AMERITI MFG. CO.	\$11,544.75	\$11,544.75	\$0.00	\$0.00	\$0.00
GLOBAL TITANIUM, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ATWATER IN THE PARK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
E.W. GROBBEL'S SONS, INC.	\$3,853.18	\$3,853.18	\$0.00	\$0.00	\$0.00
HACIENDA MEXICAN FOODS	\$1,326.52	\$966.38	\$360.14	\$0.00	\$0.00
HENKEL CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HOME STYLE FOOD INC.	\$4,104.36	\$3,293.59	\$810.77	\$0.00	\$0.00
HOODS CLEANERS	\$211.33	\$0.00	\$0.00	\$0.00	\$211.33

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

76

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
HUNTINGTON CLEANERS	\$238.97	\$238.97	\$0.00	\$0.00	\$0.00
ISLAMIC SLAUGHTER HOUSE	\$276.89	\$276.89	\$0.00	\$0.00	\$0.00
ITALIAN BUTTER BREAD STICKS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
KAR NUT PRODUCTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
KOWALSKI SAUSAGES, CO.	\$323.23	\$323.23	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILL	\$605.86	\$605.86	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILL	\$40.53	\$40.53	\$0.00	\$0.00	\$0.00
THE DEBURRING COMPANY	\$64.07	\$64.07	\$0.00	\$0.00	\$0.00
SMITH-WATKINS, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
B & F SEPTIC INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
THE CROWN GROUP-LIVONIA PLA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SUPERNATURAL SPIRITS & BREW	\$44.53	\$44.53	\$0.00	\$0.00	\$0.00
MACDERMID, INC.	\$73.98	\$73.98	\$0.00	\$0.00	\$0.00
BARON INDUSTRIES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CADILLAC STRAITS BREWING CO	\$22.61	\$22.61	\$0.00	\$0.00	\$0.00
PREMIER PLATING, LLC	\$1,287.77	\$0.00	\$1,287.77	\$0.00	\$0.00
SPRAYTEK INC.- MADISON HEIG	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MCGEAN CHEMICALS	\$158.27	\$158.27	\$0.00	\$0.00	\$0.00
MCNICHOLS POLISHING & ANODI	\$(31.54)	\$0.00	\$0.00	\$0.00	\$(31.54)
METROPOLITAN BAKERY	\$545.20	\$545.20	\$0.00	\$0.00	\$0.00
MICHIGAN DAIRY	\$79,710.29	\$79,710.29	\$0.00	\$0.00	\$0.00
MILANO BAKERY	\$508.45	\$508.45	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

77

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
MILTON CHILI CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MINNIE MARIE BAKERS, INC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MICHIGAN PROD. MACHINING	\$1,552.17	\$1,552.17	\$0.00	\$0.00	\$0.00
MICHIGAN SOY PRODUCTS CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MISTER UNIFORM & MAT RENTAL	\$(1.17)	\$0.00	\$0.00	\$0.00	\$(1.17)
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
PINE TREE ACRES, INC.	\$(8,854.32)	\$(8,854.32)	\$0.00	\$0.00	\$0.00
NORTHERN LAKES SEAFOOD & ME	\$(243.82)	\$0.00	\$0.00	\$0.00	\$(243.82)
NORTH CENTER BREWING COMPAN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$47.64	\$47.64	\$0.00	\$0.00	\$0.00
OLIVER HATCH CONSTRUCTION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MIDWEST WIRE PRODUCTS, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PERSONAL UNIFORM SERVICE, I	\$(18.19)	\$0.00	\$0.00	\$0.00	\$(18.19)
OAKWOOD BAKERY	\$51.88	\$51.88	\$0.00	\$0.00	\$0.00
HEMIGROWN BREWING COMPANY	\$42.81	\$42.81	\$0.00	\$0.00	\$0.00
PELLERITO FOODS INC.	\$(4.21)	\$0.00	\$0.00	\$0.00	\$(4.21)
PEPSI COLA, INC.	\$6,573.50	\$6,573.50	\$0.00	\$0.00	\$0.00
PETRO ENVIRON TECH, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PLATING SPEC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LIBERTY STREET PROD. BREWER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
E & E MANUFACTURING CO, PLA	\$174.52	\$80.01	\$70.89	\$23.62	\$0.00
E & E MANUFACTURING CO, PLA	\$80.28	\$80.28	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

78

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
PACKAGING CORPORATION OF AM	\$749.42	\$749.42	\$0.00	\$0.00	\$0.00
POWER VAC OF MICHIGAN, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PRODUCTION SPRING, LLC.	\$420.72	\$420.72	\$0.00	\$0.00	\$0.00
QUALA SERVICES, LLC	\$35.60	\$35.60	\$0.00	\$0.00	\$0.00
RAY'S ICE CREAM CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS BEER COMPAN	\$62.73	\$62.73	\$0.00	\$0.00	\$0.00
RTT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RED SPOT PAINT #409139	\$ (1.31)	\$0.00	\$ (1.31)	\$0.00	\$0.00
PARKEDALE PHARMACEUTICALS/P	\$140.16	\$140.16	\$0.00	\$0.00	\$0.00
GENERAL MOTORS, LLC ROMULUS	\$1,495.52	\$961.18	\$0.00	\$474.03	\$60.31
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DAVE'S SAUSAGE FACTORY 2	\$296.28	\$296.28	\$0.00	\$0.00	\$0.00
ROYAL OAK BREWERY	\$87.70	\$87.70	\$0.00	\$0.00	\$0.00
ROAK BREWING CO. LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIVER ROUGE BREWING COMPANY	\$440.60	\$0.00	\$0.00	\$0.00	\$440.60
LILY'S SEAFOOD GRILL & BREW	\$37.68	\$37.68	\$0.00	\$0.00	\$0.00
BASTONE BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SEAFARE FOODS, INC.	\$127.99	\$127.99	\$0.00	\$0.00	\$0.00
SHERWOOD BREWING COMPANY	\$38.36	\$38.36	\$0.00	\$0.00	\$0.00
BROOKS BREWING, LLC.	\$14.39	\$14.39	\$0.00	\$0.00	\$0.00
IDP, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SPRAYTEK, INC.	\$14.52	\$0.00	\$0.00	\$0.00	\$14.52

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

79

Balances as of 04/30/24

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
PERDUE PREMIUM MEAT COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
JAMEX BREWING CO.	\$64.39	\$17.81	\$0.00	\$21.92	\$24.66
BAFFIN BREWING COMPANY	\$112.97	\$112.97	\$0.00	\$0.00	\$0.00
DETRONIC INDUSTRIES, INC.	\$57.20	\$57.20	\$0.00	\$0.00	\$0.00
INDUSTRIAL METAL COATING	\$53.30	\$53.30	\$0.00	\$0.00	\$0.00
EXTRUDE HONE CORPORATION	\$124.63	\$124.63	\$0.00	\$0.00	\$0.00
JELD-WEN, INC.	\$367.41	\$367.41	\$0.00	\$0.00	\$0.00
MIBA HYDRAMECHANICA CORP.	\$302.40	\$302.40	\$0.00	\$0.00	\$0.00
FORD MOTOR CO- STERLING PLA	\$2,231.07	\$2,231.07	\$0.00	\$0.00	\$0.00
PREMIER PLATING- STERLING H	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SWEETHEART BAKERY, INC.	\$1,095.86	\$159.10	\$59.79	\$59.79	\$817.18
TOM LAUNDRY CLEANERS	\$0.58	\$0.58	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$21.43	\$21.43	\$0.00	\$0.00	\$0.00
ND INDUSTRIES, INC.	\$844.58	\$316.72	\$0.00	\$527.86	\$0.00
X-R-I TESTING	\$97.27	\$97.27	\$0.00	\$0.00	\$0.00
TURRI'S ITALIAN FOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TURRI'S ITALIAN FOODS	\$72,853.86	\$72,853.86	\$0.00	\$0.00	\$0.00
U-METCO, INC.	\$251.38	\$251.38	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$19,446.91	\$19,446.91	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$1,693.57	\$1,693.57	\$0.00	\$0.00	\$0.00
UNIQUE LINEN SERVICES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE

80

Balances as of 04/30/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
UNITED FISH DISTRIBUTORS	\$ (3.09)	\$ (3.09)	\$0.00	\$0.00	\$0.00
UNITED MEAT & DELI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
US ECOLOGY MICHIGAN	\$300.33	\$300.33	\$0.00	\$0.00	\$0.00
USHER OIL SERVICES	\$ (852.56)	\$0.00	\$0.00	\$ (852.56)	\$0.00
HACIENDA MEXICAN FOODS	\$87.47	\$53.34	\$34.13	\$0.00	\$0.00
VERNDALE PRODUCTS	\$5,626.66	\$5,626.66	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS, INC.	\$1,002.86	\$1,002.86	\$0.00	\$0.00	\$0.00
KUHNHENN BREWING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BROWN IRON BREWHOUSE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WIGLEY'S MEAT PROCESS	\$757.27	\$538.60	\$218.67	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$271.69	\$271.69	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$149.95	\$149.95	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO	\$1,872.85	\$1,872.85	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO.	\$2,152.16	\$2,152.16	\$0.00	\$0.00	\$0.00
TOTAL POLLUTANT SURCHARGE	\$425,837.07	\$365,838.63	\$26,687.28	\$11,788.84	\$21,522.32

GLWA

Great Lakes Water Authority



Monthly Financial Report Binder

May 2024

**Presented to the
Great Lakes Water Authority
Audit Committee on August 23, 2024**

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Appendix

 Aged Accounts Receivable Report..... A-1



Key Financial Metrics

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

Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Staff reviews the need for budget amendments quarterly and requests necessary amendments when required based on the most current information available. Third quarter budget amendments were approved by the Board of Directors at the June 26, 2024 meeting and are reflected in this report.

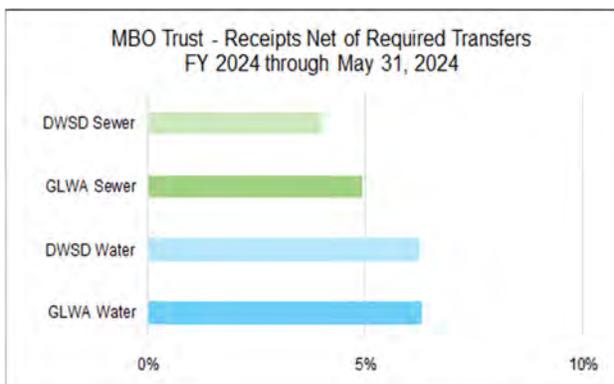
For the current year, water operations and maintenance, water and sewer capital spend, and investment earnings reflect variances to budget outside the normal range. Capital spend variances reflect evolving changes in timing that the Capital Improvement Planning group continues to monitor and review. Operations and maintenance and investment earnings activity is monitored closely and are under review for possible additional budget amendments.

A bond transaction was completed in December 2023 for \$148.5 million to support water system improvements and \$96.8 million to support sewage disposal system improvements.

As of May 31, 2024					
Metric	FY 2024 Budget	FY 2024 Amended Budget	FY 2024 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$314.5	\$307.5	\$309.1	1%	48
Wholesale Water Billed Usage (mcf)	12,116,000	11,450,000	11,577,000	1%	
Wholesale Sewer Billed Revenue (\$M)	\$258.4	\$258.4	\$258.4	0%	50
Wholesale Water Operations & Maintenance (\$M)	\$140.2	\$154.8	\$146.1	-6%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$188.5	\$206.1	\$201.5	-2%	
Investment Income (\$M)	\$14.1	\$42.7	\$54.3	27%	37
Water Prorated Capital Spend w/SRA* (\$M)	\$219.3	\$178.6	\$158.4	-11%	28
Sewer Prorated Capital Spend w/SRA* (\$M)	\$182.5	\$141.5	\$117.8	-17%	29

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

Master Bond Ordinance (MBO) Trust Net Receipts (page 51)



Net cash flow receipts remain positive for GLWA Water and Sewer. This means that all legal commitments of the MBO Trust and the lease payment are fully funded – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water reports a surplus of \$7.1 million and DWSD Sewer reports a surplus of \$10.9 million of net receipts over disbursements through May

2024.

Budget to Actual Analysis (page 3)

- The FY 2024 information includes the third quarter FY 2024 budget amendments approved by the GLWA Board of Directors on June 26, 2024. These are the final budget amendments for FY 2024.
- The total Revenue Requirements are on target through May 2024.
- The total overall Operations & Maintenance expenses are at 88.3% of budget through May 2024. This positive variance equates to a dollar amount of \$13.3 million.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for May 2024 is \$82.8 million for the Water fund (25.0% of total revenues) and \$108.9 million for the Sewer fund (24.2 % of total revenues).
- Water Net Position increased by \$ 19.3 million, and Sewage Disposal Net Position increased by \$ 47.3 million for the year to date through May 2024.

Capital Improvement Plan Financial Summary (page 27)

- Water system costs incurred to date are below the 79.4% Capital Spend Ratio assumption.
- Sewer system costs incurred to date are below the 70.3% Capital Spend Ratio assumption.

Master Bond Ordinance Transfers (page 30)

- For May, transfers of \$17.3 million and \$18.8 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for May, transfers of \$5.6 million and \$6.9 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 37)

- Total cash & investments are \$650 million for Water and \$798 million in the Sewer fund.
- Total, combined, cumulative, FY 2024 investment income through May is \$54.3 million.

DWSD Retail Revenues, Receivables & Collections (page 41)

- Water revenue through May 31, 2024 is 104.10% and usage is 104.93% of budget.
- Sewer revenue through May 31, 2024 is 98.12% and usage is 101.54% of budget.
- Combined accounts receivable balances for the water and sewer funds report a decrease of \$13.4 million over the prior year.
- Past dues over 180 days make up of 68.8% the total accounts receivable balance. The current bad debt allowance covers over 98.6% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 47)

- GLWA accounts receivable past due balance net of Dearborn is 0.08% of the total accounts receivable balance. Discussions remain underway between GLWA and Dearborn regarding the water balance in dispute.
- Average wholesale water collections for the period of June 2023 through May 2024 are trending above the prior year.
- Average wholesale sewer collections for the period of June 2023 through May 2024 are trending above the prior year.

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



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

1. Revenue Requirements Budget Basis Analysis
2. Operations & Maintenance Budget – Service Area
3. Alignment of Operations & Maintenance Budget Priorities – Expense Variance Analysis

The FY 2024 information presented in these sections includes the third quarter FY 2024 budget amendments approved by the GLWA Board of Directors on June 26, 2024. These are the final budget amendments for FY 2024.

Revenue Requirements Budget Basis Analysis

GLWA's annual revenue requirements represent 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 expenses are largely reported on an accrual basis. The primary difference between the revenue requirements budget basis to the financial reporting basis is the treatment of debt service, legacy pension obligations, and lease related activities. The Revenue Requirements Basis is foundational to GLWA's daily operations, financial plan, and of most interest to key stakeholders.

Table 1A – Water Revenue Requirements Budget and **Table 1B – Sewer Revenue Requirements Budget** presents a year-over-year budget to actual performance report. The revenue requirements budget is accounted for in the operations and maintenance fund for each system. Since this report is for May 2024, the pro-rata benchmark is 91.7% (11 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, total revenues for FY 2024 are above the pro-rata benchmark; the *water* system is at 92.0% while the *sewer* system is at 94.3%. 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 May 31, 2024, these payments total \$5.4 million for FY 2024.

2. **Investment Earnings:** For both systems, investment earnings are slightly above the pro-rata benchmark for FY 2024; the *water* system is at 92.7% while the *sewer* system is at 92.2%. Detailed analysis of investment earnings activity to date can be found in the *Cash & Investment Income* section of this financial report binder.

3. **Other Revenues:** These are one-time and unusual items that do not fit an established revenue category. Both the *water* and *sewer* systems actual amount will vary from budget due to the nature of the items recorded in this category. The activity through May 31, 2024 for the *sewer* system includes \$2.1 million in grants that will be moved in June 2024 from the Operations & Maintenance funds to the Construction funds to match the grant revenue to where the project expense has been recorded.
4. **Operations & Maintenance Expense:** Actual expenses¹ for *both* systems are below the pro-rata benchmark for FY 2024 the *water* system is at 86.5% while the *sewer* system O&M expenses is at 89.6%.
5. **Debt Service:** For FY 2024, both systems are below the pro-rata benchmark for debt service; the *water* system is at 88.7% while the *sewer* system is at 88.1%. The activity is based on the payment schedules adjusted for the State Revolving Fund loans that are still being drawn down.
6. **Operating Reserve Deposit:** GLWA has established a target balance in the O&M Fund of 45 days of operating expense which works in tandem with the I&E Funds to provide liquidity to the utility. Adequate funding is in place to meet this requirement; therefore, it is expected that additional transfers to this reserve will not be required in FY 2024.
7. **DWSD Budget Shortfall Pending:** To the extent that the local (DWSD) system experiences budgetary shortfalls as defined by the Water & Sewer Services Agreement, the GLWA budget is impacted.² Steps to proactively detect, and ideally prevent, this shortfall scenario were put into place with the 2018 Memorandum of Understanding (dated June 27, 2018). For FY 2023, DWSD ended the year with positive net cash flows for both the DWSD *water* system and the DWSD *sewer* system. For FY 2024, neither the DWSD *water* system nor the DWSD *sewer* system have a budgetary shortfall through May 31, 2024. GLWA and DWSD staff meet regularly to discuss steps to mitigate shortfalls, when they occur, as outlined in the 2018 MOU.
8. **Improvement & Extension (I&E) Fund Transfer Pending:** The contribution to the I&E Fund is for improvements, enlargements, extensions, or betterment of the *water* and *sewer* systems.
9. **Other Revenue Requirements:** The remaining revenue requirements for *both* systems are funded on a 1/12th basis each month in accordance with the Master Bond Ordinance.
10. **Overall:** Total revenue requirements for *both* systems are in line with the benchmark.

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

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



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

	FY 2023 Amended Budget	FY 2023 Activity Thru 5/31/2023	Percent Year-to- Date at 5/31/2023	FY 2024 Board Adopted Budget	FY 2024 Amended Budget	FY 2024 Activity Thru 5/31/2024	Percent Year-to- Date at 5/31/2024
Water System							
Revenues							
Suburban Wholesale Customer Charges	\$ 333,856	\$ 303,752	91.0%	\$ 340,541	\$ 328,203	\$ 301,766	91.9%
Retail Service Charges	22,834	20,936	91.7%	25,537	25,537	23,409	91.7%
Investment Earnings	9,670	7,803	80.7%	4,062	18,051	16,739	92.7%
Other Revenues	995	989	99.4%	175	943	843	89.4%
Total Revenues	\$ 367,356	\$ 333,479	90.8%	\$ 370,315	\$ 372,734	\$ 342,757	92.0%
Revenue Requirements							
Operations & Maintenance Expense	\$ 156,748	\$ 139,634	89.1%	\$ 152,906	\$ 168,873	\$ 146,099	86.5%
General Retirement System Legacy Pension	6,048	5,544	91.7%	-	-	-	0.0%
Debt Service	150,055	140,755	93.8%	159,483	162,236	143,942	88.7%
General Retirement System Accelerated Pension	6,268	5,746	91.7%	3,396	1,506	1,506	100.0%
Extraordinary Repair & Replacement Deposit	200	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	1,771	1,623	91.7%	1,852	1,852	1,697	91.7%
Regional System Lease	22,500	20,625	91.7%	22,500	22,500	20,625	91.7%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall Pending	-	-	0.0%	-	-	-	0.0%
Improvement & Extension Fund Transfer Pending	23,766	26,080	109.7%	30,178	15,768	19,789	125.5%
Total Revenue Requirements	\$ 367,356	\$ 340,007	92.6%	\$ 370,315	\$ 372,734	\$ 333,658	89.5%
Net Difference		\$ (6,528)				\$ 9,099	
<i>Recap of Net Positive Variance</i>							
		<i>Revenue Variance</i>				\$ 1,084	
		<i>Revenue Requirement Variance</i>				8,015	
		Overall Variance				\$ 9,099	

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

	FY 2023 Amended Budget	FY 2023 Activity Thru 5/31/2023	Percent Year-to- Date at 5/31/2023	FY 2024 Board Adopted Budget	FY 2024 Amended Budget	FY 2024 Activity Thru 5/31/2024	Percent Year-to- Date at 5/31/2024
Sewer System							
Revenues							
Suburban Wholesale Customer Charges	\$ 274,907	\$ 252,650	91.9%	\$ 282,688	\$ 267,879	\$ 258,498	96.5%
Retail Service Charges	191,042	175,122	91.7%	196,570	196,570	180,189	91.7%
Industrial Waste Control Charges	8,420	7,690	91.3%	8,584	8,560	7,929	92.6%
Pollutant Surcharges	4,951	4,304	86.9%	5,328	5,328	3,473	65.2%
Investment Earnings	13,532	10,732	79.3%	7,057	22,882	21,109	92.2%
Other Revenues	2,355	2,235	94.9%	400	1,130	2,693	238.4%
Total Revenues	\$ 495,207	\$ 452,732	91.4%	\$ 500,627	\$ 502,349	\$ 473,890	94.3%
Revenue Requirements							
Operations & Maintenance Expense	\$ 204,123	\$ 185,163	90.7%	\$ 205,644	\$ 224,874	\$ 201,537	89.6%
General Retirement System Legacy Pension	10,824	9,922	91.7%	-	-	-	0.0%
Debt Service	212,509	198,037	93.2%	228,328	230,976	203,498	88.1%
General Retirement System Accelerated Pension	11,621	10,652	91.7%	6,479	3,097	3,097	100.0%
Extraordinary Repair & Replacement Deposit	-	-	0.0%	-	-	-	0.0%
Water Residential Assistance Program Contribution	2,394	2,195	91.7%	2,503	2,503	2,295	91.7%
Regional System Lease	27,500	25,208	91.7%	27,500	27,500	25,208	91.7%
Operating Reserve Deposit	-	-	0.0%	-	-	-	0.0%
DWSD Budget Shortfall Pending	-	-	0.0%	-	-	-	0.0%
Improvement & Extension Fund Transfer Pending	26,237	23,768	90.6%	30,173	13,400	22,856	170.6%
Total Revenue Requirements	\$ 495,207	\$ 454,946	91.9%	\$ 500,627	\$ 502,349	\$ 458,491	91.3%
Net Difference		\$ (2,213)				\$ 15,399	
<i>Recap of Net Positive Variance</i>							
		<i>Revenue Variance</i>				\$ 13,404	
		<i>Revenue Requirement Variance</i>				1,995	
		Overall Variance				\$ 15,399	

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024

Operations & Maintenance Budget – Service Area

The year-over-year benchmark ratio as of May 31, 2024, is 91.7% (eleven months). When comparing FY 2024 to FY 2023 in **Table 2 – Operations & Maintenance Budget – Service Area**, the overall spending is higher in FY 2024.

In addition to the four service areas, 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 – Service Area – (\$000)

Service Area	FY 2023 Amended Budget	FY 2023 Activity Thru 5/31/2023	Percent Year-to- Date at 5/31/2023	FY 2024 Board Adopted Budget	FY 2024 Amended Budget	FY 2024 Activity Thru 5/31/2024	Percent Year-to- Date at 5/31/2024
A Water System Operations	\$ 85,337	\$ 77,499	90.8%	\$ 82,733	\$ 90,810	\$ 77,453	85.3%
B Wastewater System Operations	136,348	126,854	93.0%	132,934	146,722	132,778	90.5%
C Centralized Services	104,503	90,918	87.0%	106,901	117,468	104,053	88.6%
D Administrative & Other Services	34,682	29,526	85.1%	35,983	38,747	33,352	86.1%
Employee Benefits	-	-	0.0%	-	-	-	0.0%
Total O&M Budget	\$ 360,870	\$ 324,797	90.0%	\$ 358,550	\$ 393,747	\$ 347,636	88.3%

Totals may be off due to rounding

Alignment of Operations & Maintenance Budget Priorities – Expense Variance Analysis

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

Total: In total, the overall O&M expenses are at 88.3% which is below the pro-rata benchmark of 91.7%. This positive variance equates to a dollar amount of \$13.3 million. The expense category commentary is provided below for items highlighted on Table 3.

Personnel Costs: The overall category is slightly below the pro-rata benchmark; coming in at 90.0% through May 2024.

Utilities: The overall category is slightly below the pro-rata benchmark; coming in at 89.5% through May 2024. Variances within this category, when they occur, are not unexpected as usage varies throughout the year.

- **Electric** is slightly below the pro-rata benchmark, coming in at 89.6%. It should be noted that variances are not unexpected as usage varies throughout the year. 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 87.2% which is below the benchmark of 91.7%. Variances within this category are not unexpected as usage varies throughout the year. The FY 2024 budget was adjusted for both usage and the cost of natural gas MMBTU.
- **Sewage service** is lower than the benchmark, coming in at 87.5%. This category is under review.
- **Water service** is slightly below the benchmark, coming in at 91.0%. As meters have been repaired or replaced at the WRRF, the billings that previously reported estimated readings have been replaced with actual readings. The actual readings have been coming in higher than the estimated billings. In addition, a new water billing structure was implemented in early FY 2023 which has resulted in an increase in the water billing rate. The FY 2024 budget was adjusted for the increased meter readings and billing rate.

Chemicals: This category is lower than the benchmark; coming in at 83.3% through May 2024. The FY 2024 budget was amended for the increase in chemical costs and this category continues to be closely monitored. Variances within this category are not unexpected as usage varies throughout the year.

Supplies & Other: This category is lower than the pro-rata benchmark; coming in at 86.6% through May 2024. Given that the nature of the items in this category are subject to one-time expenses that do not occur evenly throughout the year, variances are not unexpected. A review of this category is being conducted.

Contractual Services: The overall category is lower than the pro-rata benchmark; coming in at 87.9% through May 2024. 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 are 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 93.1% through May 2024. The amount in the Capital Program Allocation account is shown as negative as this is a "contra" account which represents an offset to the Personnel Costs section of the Operations & Maintenance (O&M) budget.

Shared Services: This category is higher than the benchmark; coming in at 95.2% through May 2024. The shared services reimbursement is comprised of both labor (tracked via BigTime) and expenses, such as annual fees for software licensing. Staff from both GLWA and DWSD have been working together to evaluate and refine the budget for the shared services agreements. Based on these evaluations, adjustments have been made to both the billings and accounting accruals to reflect the forecasted activity more accurately for FY 2024. In addition, it is important to note that some of the shared services agreements are not billed at a monthly rate of 1/12 of the annual budgeted amount and activity includes true-up billings from prior years.

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

Expense Categories	FY 2023 Amended Budget	FY 2023 Activity Thru 5/31/2023	Percent Year-to- Date at 5/31/2023	FY 2023 Activity Thru 6/30/2023	Percent Year-to- Date at 6/30/2023	FY 2024 Amended Budget	FY 2024 Prorated Budget (11 Months)	FY 2024 Activity Thru 5/31/2024	Percent Year-to- Date 5/31/2024	FY 2024
										Less FY 2024 Activity
Entity-wide										
Salaries & Wages	\$ 71,395	\$ 64,550	90.4%	\$ 70,114	92.1%	\$ 77,415	\$ 70,963	\$ 70,053	90.5%	\$ 910
Workforce Development	1,326	1,251	94.3%	1,414	88.5%	1,820	1,668	1,731	95.1%	(63)
Overtime	8,411	7,857	93.4%	8,571	91.7%	8,672	7,949	8,306	95.8%	(357)
Employee Benefits	25,582	22,809	89.2%	24,790	92.0%	27,869	25,546	24,547	88.1%	999
Transition Services	9,432	8,947	94.9%	9,920	90.2%	9,877	9,054	8,490	86.0%	564
Employee Benefits Fund	-	-	0.0%	-	0.0%	-	-	-	0.0%	-
<i>Personnel Costs</i>	<u>116,145</u>	<u>105,414</u>	<u>90.8%</u>	<u>114,808</u>	<u>91.8%</u>	<u>125,653</u>	<u>115,181</u>	<u>113,128</u>	<u>90.0%</u>	<u>2,053</u>
Electric	47,963	43,370	90.4%	48,176	90.0%	50,716	46,489	45,466	89.6%	1,023
Gas	12,042	10,648	88.4%	10,821	98.4%	7,767	7,120	6,771	87.2%	349
Sewage Service	3,028	2,875	94.9%	3,052	94.2%	2,538	2,326	2,221	87.5%	105
Water Service	11,589	10,671	92.1%	15,228	70.1%	12,803	11,736	11,645	91.0%	91
<i>Utilities</i>	<u>74,622</u>	<u>67,563</u>	<u>90.5%</u>	<u>77,277</u>	<u>87.4%</u>	<u>73,823</u>	<u>67,671</u>	<u>66,103</u>	<u>89.5%</u>	<u>1,568</u>
Chemicals	29,525	26,918	91.2%	30,542	88.1%	32,824	30,089	27,343	83.3%	2,746
Supplies & Other	36,163	33,252	92.0%	35,766	93.0%	45,364	41,583	39,270	86.6%	2,313
Contractual Services	106,625	94,725	88.8%	108,726	87.1%	120,914	110,838	106,335	87.9%	4,502
Capital Program Allocation	(2,135)	(1,984)	92.9%	(2,190)	90.6%	(2,624)	(2,406)	(2,443)	93.1%	38
Shared Services	(1,571)	(1,091)	69.4%	(3,270)	33.4%	(2,207)	(2,023)	(2,100)	95.2%	77
Unallocated Reserve	1,497	-	0.0%	-	0.0%	-	-	-	0.0%	-
Total Expenses	<u>\$ 360,870</u>	<u>\$ 324,797</u>	<u>90.0%</u>	<u>\$ 361,658</u>	<u>89.8%</u>	<u>\$ 393,747</u>	<u>\$ 360,934</u>	<u>\$ 347,636</u>	<u>88.3%</u>	<u>\$ 13,298</u>

Totals may be off due to rounding



The Basic Financial Statements report includes the following four tables.

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

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

The June 2023 comparative amounts shown in the tables below are presented based on final audited figures.

Statement of Net Position – All Funds Combined

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

Table 1 – Statement of Net Position - All Funds Combined
As of May 31, 2024
(\$000)

	Water	Sewage Disposal	Total Business- type Activities	Comparative June 30, 2023
Assets				
Cash - unrestricted (a)	\$ 188,912	\$ 278,224	\$ 467,136	\$ 482,736
Cash - restricted (a)	216,327	265,837	482,164	470,204
Investments - unrestricted (a)	91,719	94,034	185,753	63,241
Investments - restricted (a)	137,531	173,507	311,038	177,998
Accounts Receivable	74,766	50,323	125,089	171,747
Due from (to) Other Funds (b)	9,495	(9,495)	-	-
Other Assets (c)	666,151	401,024	1,067,175	1,056,956
Cash held FBO DWSD Advance	-	-	-	-
Capital Assets, net of Depreciation	1,147,285	1,885,693	3,032,977	3,229,243
Land	293,617	126,816	420,433	420,433
Construction Work in Process (e)	535,436	373,219	908,656	668,326
Total assets	3,361,239	3,639,182	7,000,421	6,740,885
Deferred Outflows (f)	40,394	81,215	121,609	181,672
Liabilities				
Liabilities - Liabilities-ST	198,302	220,779	419,081	424,229
Due to (from) Other Funds (b)	-	-	-	-
Other Liabilities (h)	2,143	5,722	7,865	7,500
Cash Held FBO DWSD (d)	29,884	39,785	69,669	42,464
Liabilities - Long-Term (i)	3,223,122	3,445,615	6,668,737	6,598,619
Total liabilities	3,453,451	3,711,901	7,165,352	7,072,812
Deferred Inflows (f)	52,711	68,900	121,610	81,327
Total net position (j)	\$ (104,529)	\$ (60,403)	\$ (164,932)	\$ (231,582)

Totals may be off due to rounding

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

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

Footnotes to Statement of Net Position

- a. *Cash and Investments* during the fiscal year are reported at book value. Investments at June 30, 2023 are reported at market value. The May 31, 2024 values differ from the Cash and Investment section of this Financial Report Binder due to timing of certain items recognized on a cash versus accrual basis.
- b. *Due from Other Funds* and *Due to Other Funds* are shown at gross for sub-fund activity.
- c. *Other Assets* primarily consists of the contractual obligation receivable from DWSD related to reimbursement of bonded indebtedness for local system improvements.
- d. *Cash Held FBO Advance (for benefit of) DWSD* and *Cash Held FBO DWSD* represents the net difference between DWSD retail cash received from customers and net financial commitments as outlined in the Master Bond Ordinance.
- e. *Construction Work in Process* represents the beginning balance of CWIP plus any construction spending during the fiscal year. The balance will fluctuate based on the level of spend less any capitalizations or write-offs.
- f. *Deferred Inflow* and *Deferred Outflow* relate mainly to financing activity and GLWA's share of the legacy General Retirement System (GRS) pension obligation.
- g. *Liabilities - Short-term* include accounts payable, retainage payable, and certain accrued liabilities. Some items, such as compensated absences and worker's compensation, are reviewed periodically but only adjusted in the interim if there is a material change.
- h. *Other Liabilities* account for the cash receipts set aside for the Budget Stabilization Fund and the Water Residential Assistance Program.
- i. *Liabilities – Long-term* include bonds payable, lease payable, and legacy General Retirement System pension liabilities.
- j. *Net Position Deficit* is defined by accounting standards as the residual of all other elements presented in a statement of financial position. It is the difference between (a) assets and deferred outflows of resources and (b) liabilities and deferred inflows of resources. A net deficit occurs when the liabilities and deferred inflows exceed assets and deferred outflows. GLWA's net deficit is largely driven by an increase in depreciation expense because of the increase in the acquisition valuation approach for recording capital asset values in the opening Statement of Net Position on January 2016. Efforts are underway to evaluate the net operating effect of this matter over the long term.

Statement of Revenues, Expenses and Changes in Net Position

– All Funds Combined

This statement, shown in Table 2, is presented in summary format. The accrual basis of revenues and operations and maintenance expense vary from the revenue requirement basis presented in the *Budget to Actual Analysis* and the *Wholesale Billings, Receivables & Collections* sections of the May 2024 Financial Report Binder. Prior year ending balances are provided in the June 30, 2023 column as a reference for comparative purposes. Explanatory notes follow this statement.

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

Table 2 – Statement of Revenues, Expenses and Changes in Net Position
– All Funds Combined
For the Eleven Months ended May 31, 2024
(\$000)

	Water	Percent of Revenue	Sewage Disposal	Percent of Revenue	Total Business- Type Activities	Comparative June 30, 2023
Revenue						
Wholesale customer charges	\$ 307,159	92.7%	\$ 258,498	57.4%	\$ 565,657	\$ 616,511
Local system charges	23,409	7.1%	180,189	40.0%	203,598	213,877
Industrial waste charges		0.0%	7,929	1.8%	7,929	8,393
Pollutant surcharges		0.0%	3,473	0.8%	3,473	4,895
Other revenues	659	0.2%	442	0.1%	1,101	2,011
Total Revenues	331,228	100.0%	450,530	100.0%	781,758	845,686
Operating expenses						
Operations and Maintenance	142,058	42.9%	198,518	44.1%	340,577	366,823
Depreciation	103,024	31.1%	142,383	31.6%	245,407	289,957
Amortization of intangible assets	3,318	1.0%	749	0.2%	4,067	4,006
Total operating expenses	248,401	75.0%	341,650	75.8%	590,051	660,786
Operating Income	82,827	25.0%	108,880	24.2%	191,707	184,900
Total Nonoperating (revenue) expense	63,496	19.2%	61,562	13.7%	125,057	197,183
Increase/(Decrease) in Net Position	19,331	5.8%	47,319	10.5%	66,650	(12,283)
Net Position (deficit), beginning of year	(123,860)		(107,722)		(231,582)	(219,299)
Net position (deficit), end of year	\$ (104,529)		\$ (60,403)		\$ (164,932)	\$ (231,582)

Totals may be off due to rounding

Water Fund

- ✓ The increase in Water Fund Net Position is \$19.3 million.
- ✓ Wholesale water customer charges of \$307.2 million account for 92.7% of Water System revenues.
- ✓ Operating expenses of \$248.4 million represent 75.0% of total operating revenue. Depreciation is the largest operating expense at \$103.0 million or 41.5% of operating expense.
- ✓ Amortization of intangible assets represents activity for raw water rights and IT software.
- ✓ Operating income after operating expenses (including depreciation) equals \$82.8 million or 25.0% of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$82.6 million (this equates to the bonded debt interest expense less the offset from DWSD contractual obligation income).

Sewage Disposal Fund

- ✓ The increase in the Sewage Disposal Fund Net Position is \$47.3 million.
- ✓ Wholesale customer charges of \$258.5 million account for 57.4% 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 \$180.2 million account for 40.0% of total operating revenues. These are also billed at one-twelfth of the annual revenue requirement.
- ✓ Operating expenses of \$341.7 million represent 75.8% of total operating revenue. Depreciation is the largest operating expense at \$142.4 million or 41.7% of total operating expense.
- ✓ Amortization of intangible assets represents activity for a warehouse lease and IT software.
- ✓ Operating income after operating expenses (including depreciation) equals \$108.9 million or 24.2% of operating revenue.
- ✓ The largest category within nonoperating activities is bonded debt interest expense of \$97.7 million (this equates to the bonded debt interest expense less the offset from DWSD contractual obligation income).

Supplemental Schedule of Operations & Maintenance Expenses – All Funds Combined

This Supplemental Schedule of Operations & Maintenance Expenses (O&M) schedule is shown below in Table 3. This accrual basis of operations and maintenance expense may vary from the revenue requirement basis presented in the *Budget to Actual Analysis* section of the May 2024 Financial Report Binder. Explanatory notes follow this schedule.

**Table 3 – Supplemental Schedule of Operations & Maintenance Expenses
– All Funds Combined
For the Eleven Months ended May 31, 2024
(\$000)**

	Water	Percent of Total	Sewage Disposal	Percent of Total	Total Business- Type Activities	Percent of Total
Operating Expenses						
Personnel						
Salaries & Wages	26,096	18.4%	54,178	27.3%	80,275	23.6%
Overtime	5,157	3.6%	3,149	1.6%	8,306	2.4%
Benefits	17,564	12.4%	6,983	3.5%	24,547	7.2%
Total Personnel	\$ 48,818	34.4%	\$ 64,310	32.4%	\$ 113,128	33.2%
Utilities						
Electric	28,194	19.8%	17,272	8.7%	45,466	13.3%
Gas	1,239	0.9%	5,533	2.8%	6,771	2.0%
Sewage	591	0.4%	1,630	0.8%	2,221	0.7%
Water	3	0.0%	11,642	5.9%	11,645	3.4%
Total Utilities	\$ 30,027	21.1%	\$ 36,076	18.2%	\$ 66,103	19.4%
Chemicals	10,224	7.2%	17,119	8.6%	27,343	8.0%
Supplies and other	10,807	7.6%	26,996	13.6%	37,802	11.1%
Contractual services	46,704	32.9%	56,237	28.3%	102,941	30.2%
Capital Adjustment	-	0.0%	-	0.0%	-	0.0%
Capital program allocation	(1,146)	-0.8%	(1,297)	-0.7%	(2,443)	-0.7%
Intergovernmental Agreement	(1,990)	-1.4%	(207)	-0.1%	(2,197)	-0.6%
Shared services allocation	(1,385)	-1.0%	(715)	-0.4%	(2,100)	-0.6%
Operations and Maintenance Expenses	\$ 142,058	100.0%	\$ 198,518	100.0%	\$ 340,577	100.0%

Totals may be off due to rounding

- ✓ Core expenses for water and sewage disposal systems are utilities (19.4% of total O&M expenses) and chemicals (8.0% of total O&M expenses).
- ✓ Personnel costs (33.2% 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 (30.2%) includes:
 - Water System costs of sludge removal and disposal services at the Northeast, Southwest and Springwells Water Treatment Plants (approximately \$5.0 million);
 - Sewage Disposal System costs for the operation and maintenance of the biosolids dryer facility (approximately \$16.8 million); and
 - Centralized and administrative contractual costs allocated to both systems for information technology, building maintenance, field, planning and other services.
- ✓ The Capital Program Allocation, Intergovernmental Agreement and Shared Services Allocation are shown as negative amounts because they are 'contra' expense accounts representing offsets to associated costs in other Operations and Maintenance expense categories.

Supplemental Schedule of Nonoperating Expenses – All Funds Combined

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

**Table 4 – Supplemental Schedule of Nonoperating Expenses – All Funds Combined
For the Eleven Months ended May 31, 2024
(\$000)**

	Water	Sewage Disposal	Total Business-type Activities	Comparative June 30, 2023
Nonoperating (Revenue)/Expense				
Interest income contractual obligation	\$ (22,100)	\$ (14,436)	\$ (36,536)	\$ (41,059)
Investment earnings	(24,341)	(30,229)	(54,570)	(35,344)
Net (incr) decr in fair value of invstmt	(1,273)	(2,457)	(3,730)	(2,257)
Other nonoperating revenue	(184)	(32,269)	(32,453)	(3,872)
Interest Expense				
Bonded debt	104,731	112,136	216,868	228,066
Lease obligation	15,181	18,555	33,736	37,319
Other obligations	3,567	1,496	5,063	5,906
Total interest expense	123,480	132,187	255,667	271,291
Other non-capital expense	-	-	-	-
Memorandum of Understanding	-	-	-	-
Capital Contribution	(3,652)	-	(3,652)	(2,176)
Amortization, issuance costs, debt	(13,375)	1,175	(12,200)	(3,998)
(Gain) loss on disposal of capital assets	(17)	(27)	(44)	2,119
Loss on impairment of capital assets	-	-	-	-
Discontinued Capital Projects	-	-	-	20,903
Water Residential Assistance Program	2,555	3,318	5,873	12,343
Legacy pension expense	2,403	4,300	6,703	(20,765)
Total Nonoperating (Revenue)/Expense	\$ 63,496	\$ 61,562	\$ 125,057	\$ 197,183

- ✓ 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.
- ✓ 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.
- ✓ Net (increase) decrease in fair value of investments consists of market value of investments and realized gain/loss on sale of investments. FY 2022 market value adjustments for Water and Sewer total \$2.8 million and \$3.9 million, respectively. FY 2023 market value adjustments for Water and Sewer total \$1.3 million and \$2.6 million, respectively. Any difference is due to realized gain or loss on investments.

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024

- ✓ 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.
- ✓ FY 2024 and FY 2023 other non-operating income primarily represents FEMA Covid-19 grant income for the Water and Sewage Disposal systems.
- ✓ The FY 2023 capital contribution in Nonoperating (revenue) expense represents funds from the Evergreen Farmington Sewer District for a maximum discharge capacity of 227 cubic feet per second (cfs) to the regional sewer system.
- ✓ FY 2023 Sewage Disposal loss on disposal of capital assets includes sale of McKinstry warehouse.
- ✓ For FY 2023, GLWA is recognizing non-operating pension revenue rather than expense as a result of improved investment earnings for the plan.
- ✓ The FY 2023 Discontinued capital projects represents the cancellation of three Water CIP projects to repurpose the Northeast Water Treatment Plant.

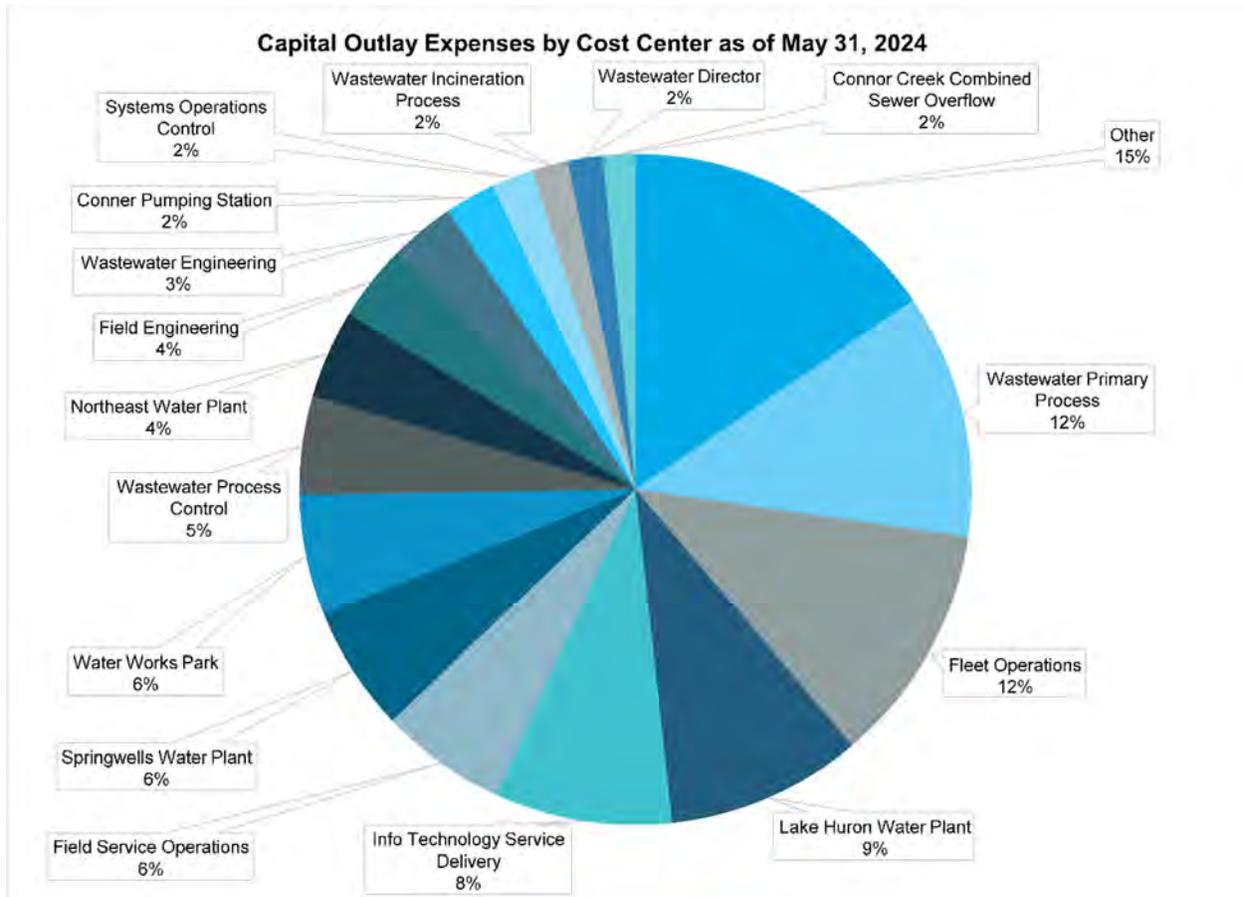


Financial Activity Charts

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 May 31, 2024, total capital outlay spend is \$20.4 million. Following this chart is a sample list of projects and purchases from the total spend of \$20.4 million:



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

Water Operations: Ovation power supply upgrade (\$1.6m); Clarifier Drive (\$819k); Water Works Park Pre-engineered metal building (\$425k); Lake Huron Boiler retrofit (\$323k); Northeast Aluminum Storage Tank (\$294k); Water Works Park build out (\$210k); Northeast Water Treatment Plant fluid heater (\$189k); Ozon generator

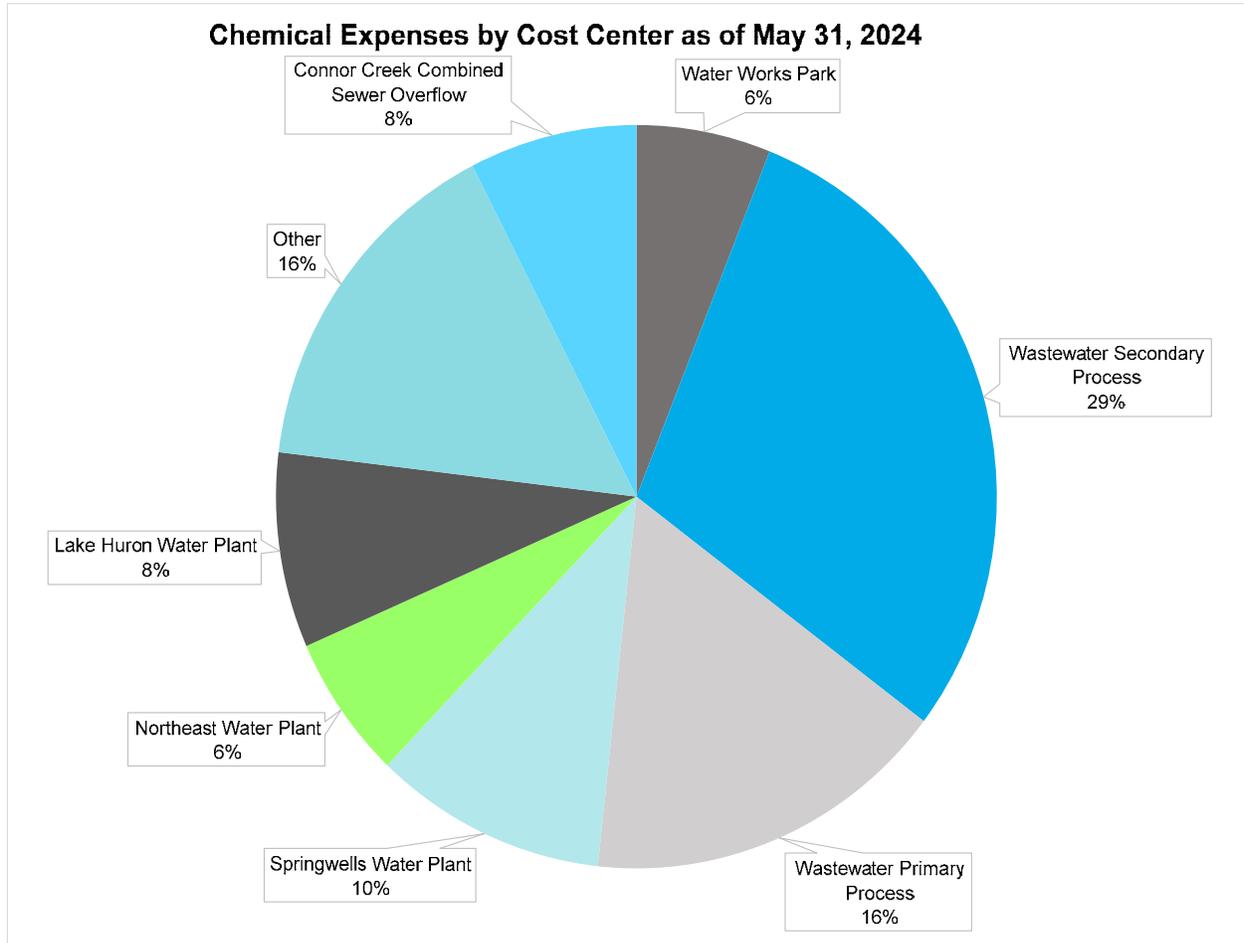
refurbishment (\$168k); Water Works Park furniture and supplies (\$135k); Lake Huron doors and frames (\$132k); Drain and remove day tank (\$100k); STACO energy first line universal power supply (\$91k); Springwells elevator repairs (\$89k); Evaporators (\$86k); Ozone vessel refurbish (\$84k); Northeast Water Treatment Plant annual work platform (\$73k) and compact utility tractor (\$57k).

Wastewater Operations: Magnetic Low Meter Replacement (\$1.1m); WRRF flow meter replacement (\$822k); Conner boiler replacement (\$481k); WRRF Incinerator freight elevator (\$399k); CSO's system control center support (\$319k); Complex A pump replacement (\$276k); WRRF Primary area gas detection system (\$178k); Incinerator C-II building access platform (\$160k); Scum hopper pump (\$131k); Pulsafeeder maintenance (\$116k); Incinerator Actuators (\$115k); Electric actuator (\$112k); Replacement chopper pumps (\$102k); Multiple CSO's submersible motor (\$92k); WRRF/CSO process camera (\$92k); Submersible chopper pump (\$89k); WRRF electrical upgrades (\$76k); Chlorination scrubber pump (\$70k); Baby Creek furniture and supplies (\$67k); Bluehill Pump Station ovation upgrade (\$66k); Fischer Pump Station ovation upgrade (\$61k); Hubble furniture and supplies (\$61k) and 7 mile CSO influent slide gate replacement (\$59k).

Centralized & Administrative Facilities: Trucks and vehicles (\$2.5m); Computer hardware and software (\$1.9m); Ovation upgrade and cabinet replacement (\$1.3m); Pump stations ovation upgrade (\$1.1m); Sewer meter support (\$173k); Forklift (\$86k); WRRF furniture and supplies (\$82k); WRRF EV charging stations (\$80k); Meter and Interior vault renovation (\$78k); Base trex platform (\$67k) and Probe (\$58k).

Chart 2 – Chemical Expenses – Water and Sewer System Combined

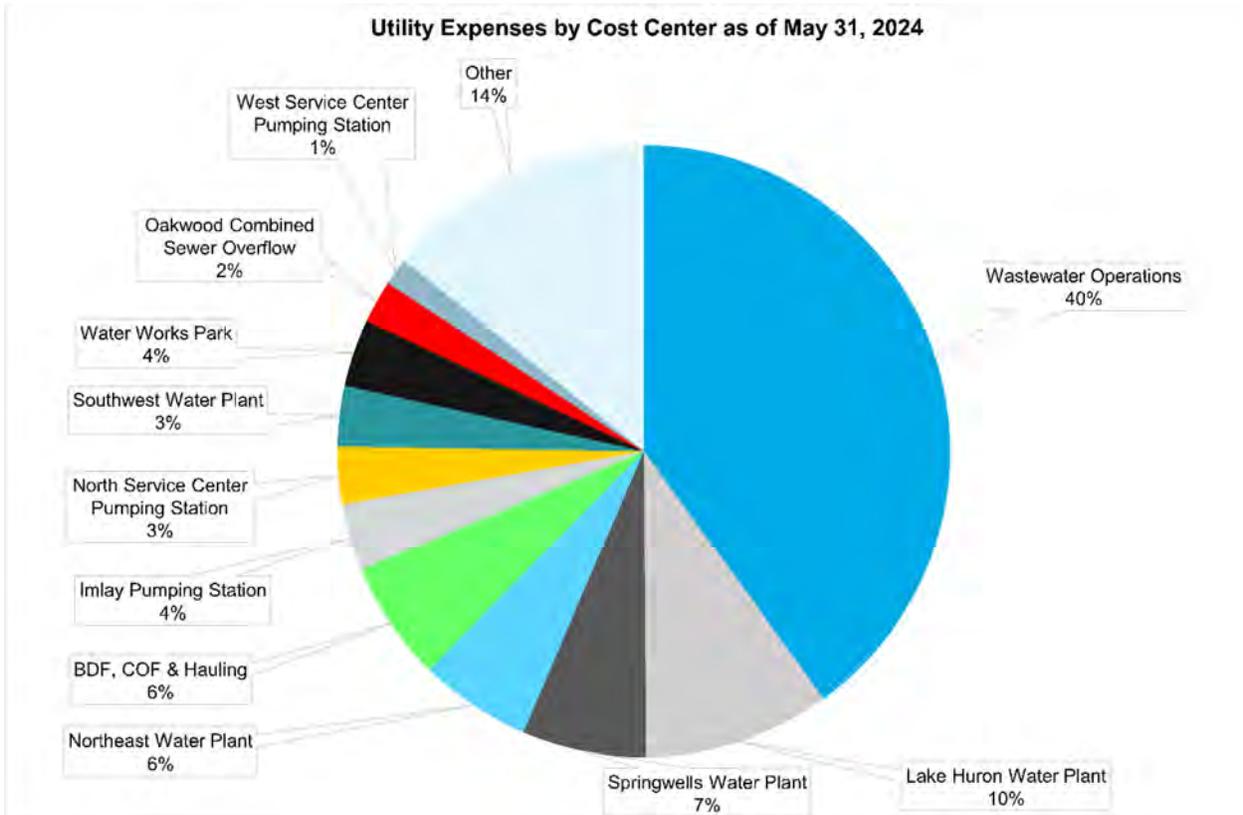
Chemical expenses are \$27.3 million through May 31, 2024. The allocation is shown in the chart below and remains consistent with prior periods.



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 \$66.1 million through May 31, 2024. 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 May 31, 2024 all reconciliations are up-to-date and complete.

There were 2 new accounts added in the general ledger since April 2024.

Chart 1 – Bank Reconciliation Completion Status

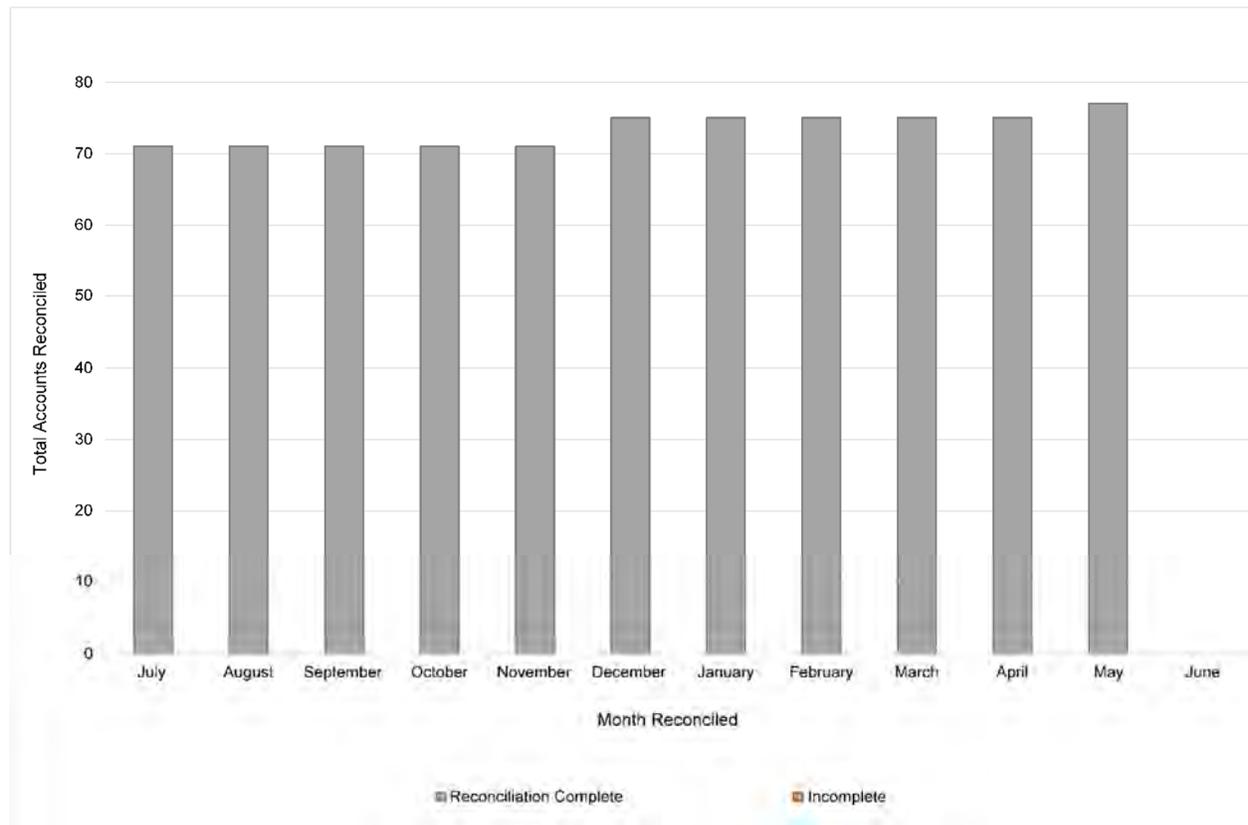


Table 1 – Fiscal Year 2024 GL Cash Account Roll Forward

Total GL Cash accounts as of July 1, 2023	71
New GL Cash accounts	6
Inactivated GL Cash accounts	0
Total GL Cash accounts as of May 31, 2024	77



Financial Operations KPI - Liquidity

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

Both GLWA Water and Sewer funds continue to exceed this target with Water at 609 and Sewer at 607 days cash on hand as of May 31, 2024. These balances remain strong for the regional system but did decrease in FY 2022 as I&E funds were used as planned to fund capital improvement projects. A December 2023 revenue bond transaction replenished the construction bond funds and reduced the emphasis on I&E funding. The FY 2024 projection is calculated based on values from the GLWA FY 2024 – 2028 Budget & Five-Year Plan adjusted for 3rd quarter budget amendments.

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



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

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

	<u>June 30, 2023</u>	<u>May 31, 2024</u>	<u>Projected June 30, 2024</u>
Water Fund			
Cash and Investments - Unrestricted	\$ 243,707,000	\$ 280,631,000	\$ 228,800,000
Operating Expense			
Operating Expense (a)	\$ 285,220,000	\$ 284,295,000	\$ 310,140,000
Less: Depreciation (a)	(126,486,000)	(126,225,000)	(137,700,000)
Less: Amortization of Intangible Asset (a)	(3,567,000)	(3,269,000)	(3,567,000)
Net Operating Expense	\$ 155,167,000	\$ 154,800,000	\$ 168,873,000
Operating Expense per Day	\$ 425,000	\$ 461,000	\$ 463,000
Days Cash			
Number of Days Cash	573	609	495
Sewage Disposal Fund			
Cash and Investments - Unrestricted	\$ 302,270,000	\$ 372,258,000	\$ 306,100,000
Operating Expense			
Operating Expense (a)	\$ 375,567,000	\$ 357,842,000	\$ 390,374,000
Less: Depreciation (a)	(163,471,000)	(151,708,000)	(165,500,000)
Less: Amortization of Intangible Asset (a)	(440,000)	-	-
Net Operating Expense	\$ 211,657,000	\$ 206,134,000	\$ 224,874,000
Operating Expense per Day	\$ 580,000	\$ 613,000	\$ 616,000
Days Cash			
Number of Days Cash	521	607	497
Combined			
Cash and Investments - Unrestricted	\$ 545,977,000	\$ 652,889,000	\$ 534,900,000
Operating Expense			
Operating Expense (a)	\$ 660,787,000	\$ 642,137,000	\$ 700,513,000
Less: Depreciation (a)	(289,957,000)	(277,933,000)	(303,200,000)
Less: Amortization of Intangible Asset (a)	(4,006,000)	(3,269,000)	(3,567,000)
Net Operating Expense	\$ 366,824,000	\$ 360,934,000	\$ 393,747,000
Operating Expense per Day	\$ 1,005,000	\$ 1,074,000	\$ 1,079,000
Days Cash			
Number of Days Cash	543	608	496
<i>Totals may be off due to rounding</i>			

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



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 Difference” to the “Increase/(Decrease) in Net Position” in Table 2 of the Basic Financial Statements in the monthly Financial Report.

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

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

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

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

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

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

**Table 1 – Crosswalk Budget Basis to Financial Reporting Basis (\$000)
For the Eleven Months Ended May 31, 2024**

	Water	Sewer	Total
Net Revenue Requirement Budget Variance (a)	\$ 9,099	\$ 15,399	\$ 24,498
Budgetary categories adjustments to financial reporting basis			
Pension delayed accounting election adjustments			
Current year pension transfers/payments recorded as deferral (c)	703	1,292	1,995
Prior year pension contribution accounted for in current year (d)	(2,403)	(4,300)	(6,703)
Administrative prepaid adjustment (e)	-	-	-
Debt service (f)	61,311	105,798	167,109
Accelerated pension B&C notes obligation portion (g)	197	441	638
Regional System lease (h)	5,444	6,653	12,097
GASB 87 & GASB 96 adjustments (h)	4,414	2,914	7,328
WRAP (i)	(858)	(1,023)	(1,881)
Extraordinary Repair & Replacement Fund transfers (j)	-	-	-
Improvement & Extension Fund transfers (j)	19,789	22,856	42,645
Nonbudgeted financial reporting categories adjustments			
Depreciation and amortization (k)	(106,342)	(143,132)	(249,474)
Amortization - debt related (k)	13,375	(1,175)	12,200
Other nonoperating income (k)	-	-	-
Other nonoperating expense (k)	3,652	30,018	33,670
Gain(loss) on disposal of capital assets (k)	17	27	44
Raw water rights obligation (l)	2,461	-	2,461
Investment earnings for construction fund (m)	7,570	8,961	16,531
Interest on DWSD note receivable (n)	-	-	-
Investment earnings unrealized gain/loss (o)	1,305	2,617	3,922
Improvement & extension fund operating expenses (p)	(402)	(28)	(429)
Net Position Increase/(Decrease) per Financial Statements (b)	\$ 19,331	\$ 47,319	\$ 66,650

Table 2 - Explanatory Notes for Crosswalk

- (a) Source: Budget to Actual Table 1A and Table 1B in Monthly Financial Report
- (b) Source: Basic Financial Statements Table 2 in Monthly Financial Report
- (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) Payments for the warehouse lease and subscription-based information technology arrangements (SBITA) are expensed for budget purposes. For financial reporting purposes, the warehouse lease is recorded under GASB 87 and payments are treated as a reduction in the lease liability and interest expense (which is a nonoperating expense). The SBITA payments are recorded under GASB 96 and are treated as a prepaid subscription asset as the software is currently in the implemented phase.
- (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 Improvement & Extension Fund and Extraordinary Repair & Replacement Fund transfers are shown as an expense for budget purposes but not for financial reporting purposes.
- (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 for 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 purposes the Flint wholesale charges are recorded as 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.
- (n) Interest on a 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. DWSD does not currently have a note receivable due to GLWA.
- (o) 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.
- (p) The Water Improvement and Extension fund and the Sewer Improvement and Extension fund reflect certain expenses relating to repairs paid for through the Water and Sewer Improvement and Extension funds, respectively. These are consolidated expenses for financial reporting purposes but are not reflected in the current Operations and Maintenance budget expenses.



The Monthly Capital Improvement Plan Financial Summary includes the following.

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

Capital Improvement Plan Financial Summary

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

This report presents quarterly and monthly CIP spending against the prorated CIP in total and the CIP adjusted for the SRA. For FY 2024 the original Board approved capital spend rate was 100%. The prorated CIP is calculated by dividing the total fiscal year 2024 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.

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

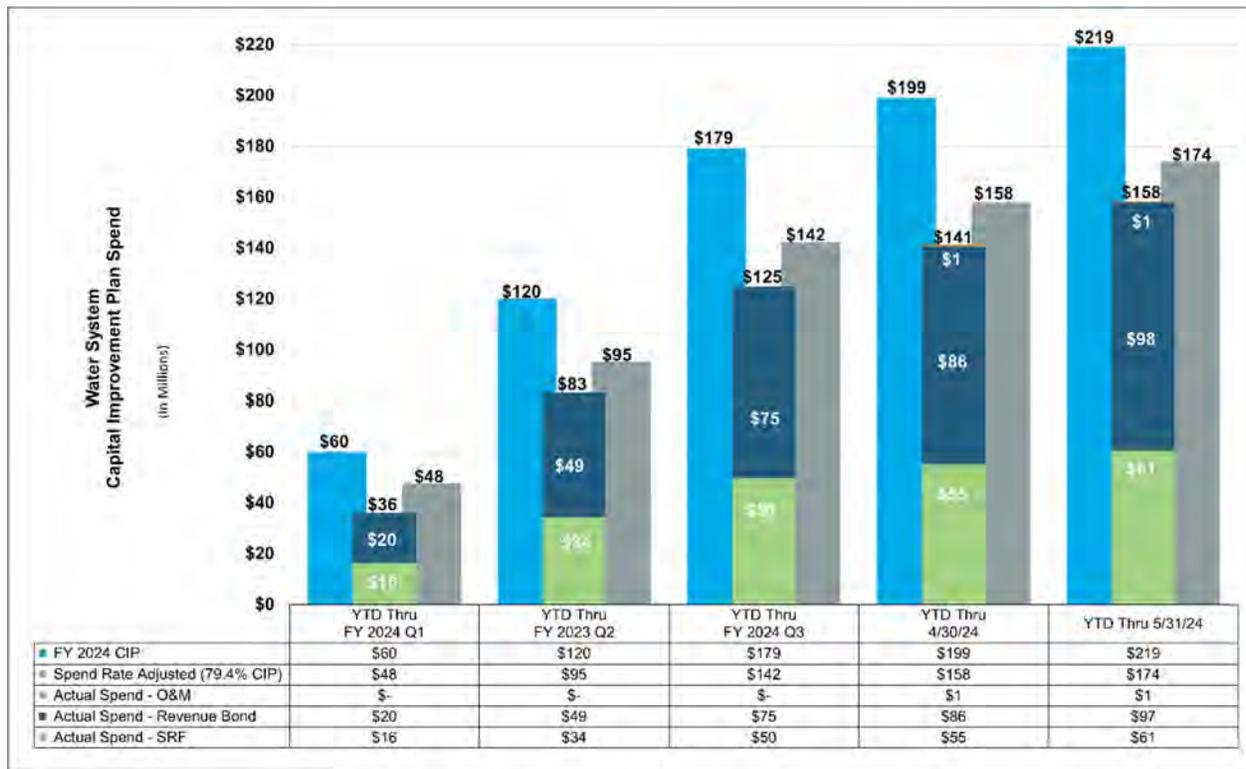
Chart 1 – Water System Capital Improvement Plan Spend Incurred to Date

As of May 2024, the water system incurred \$158 million of construction costs to date. This spend represents 72% of the original Board approved FY 2024 CIP plan and 91% of the spend rate adjusted.

Economic factors affecting the CIP spend are considered by the Board quarterly at which time the Board may amend the planned spend rate adjusted.

As part of the proposed 2nd Quarter Budget Amendments, GLWA staff presented to the Audit Committee a recommendation to amend the spend rate adjusted for the water system from 94% to 79.4%. This recommended change was approved by the full Board of Directors in June 2024 and is reflected in Chart 1 below. Current water system spend represents 91% of that spend rate adjusted.

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



All amounts are unaudited unless otherwise noted.

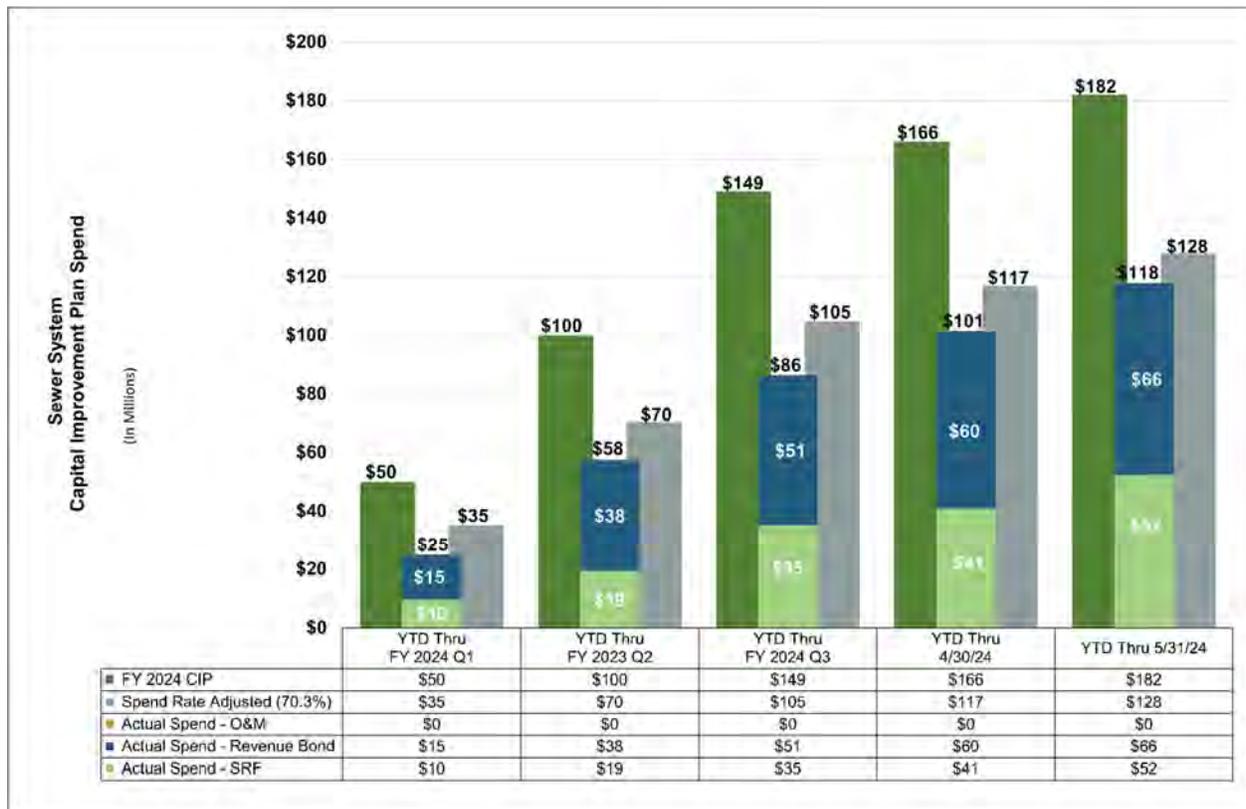
Chart 2 – Sewer System Capital Improvement Plan Spend Incurred to Date

As of May 2024, the Sewer system incurred \$118 million of construction costs to date. This spend represents 65% of the original Board approved FY 2024 CIP plan and 92% of the spend rate adjusted.

Economic factors affecting the CIP spend are considered by the Board quarterly at which time the Board may amend the planned spend rate adjusted.

As part of the proposed 2nd Quarter Budget Amendments, GLWA staff presented to the Audit Committee a recommendation to amend the spend rate adjusted for the sewer system from 82.9% to 70.3%. This recommended change was approved by the full Board of Directors in June 2024 and is reflected in Chart 2 below. Current sewer system spend represents 92% of that Board approved spend rate adjusted.

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





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. If there are transfers to the Extraordinary Repair & Replacement (ER&R) fund they would be completed annually based on budget and year-end fund status.

As of June 30, 2023, GLWA and DWSD have met the requirements of the Plan of Adjustment requiring contributions to the Detroit General Retirement System (GRS) pension plan through Operational and Maintenance Pension sub-accounts. GLWA and DWSD staff monitor the remaining pension obligation closely. Budgeted, annual contributions toward that remaining obligation, at this time identified as limited administrative fee contributions, are transferred to the Pension Obligation Payment fund and reflected in the reported activity found here.

Table 1 – GLWA FY 2024 Water MBO Transfers reflects the required transfers for FY 2024 completed through May 2024. MBO transfers for water totaling \$158.0 million have been transferred to GLWA accounts. In February 2024, an adjustment was made to the non-operating pension to reflect a reduction in the required contribution for FY24. The non-operating pension requirement has been fully funded for the fiscal year.

Table 2 – GLWA FY 2024 Sewer MBO Transfers reflects the required transfers for FY 2024 completed through May 2024. MBO transfers for sewer totaling \$209.4 million have been transferred to GLWA accounts. In February 2024, an adjustment was made to the non-operating pension to reflect a reduction in the required contribution for FY24. The non-operating pension requirement has been fully funded for the fiscal year.

Table 3 – GLWA MBO Transfer History reflects historical transfers for FY 2016 through FY 2024 to date.

Table 1 – GLWA FY 2024 Water MBO Transfers

	WATER						
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Water
FY 2024							
July 2023	\$ 12,742,200	\$ -	\$ 482,808	\$ 225,850	\$ -	\$ -	\$ 13,450,858
August 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
September 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
October 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
November 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
December 2023	12,742,200	-	482,808	225,841	-	-	13,450,849
January 2024	18,688,752	-	(328,148)	225,895	-	-	18,586,499
February 2024	13,591,708	-	-	225,895	-	-	13,817,603
March 2024	13,591,708	-	-	225,760	-	-	13,817,468
April 2024	13,591,708	-	-	225,850	-	-	13,817,558
May 2024	17,058,912	-	-	225,850	-	-	17,284,762
June 2024							
Total FY 2024	\$ 152,975,988	\$ -	\$ 2,568,700	\$ 2,484,305	\$ -	\$ -	\$158,028,993

Table 2 – GLWA FY 2024 Sewer MBO Transfers

	SEWER						
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Sewer
FY 2024							
July 2023	\$ 17,136,975	\$ -	\$ 682,459	\$ 319,700	\$ -	\$ -	\$ 18,139,134
August 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
September 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
October 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
November 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
December 2023	17,136,975	-	682,459	319,700	-	-	18,139,134
January 2024	25,586,377	-	(180,254)	319,702	-	-	25,725,825
February 2024	18,344,033	-	-	319,702	-	-	18,663,735
March 2024	18,344,033	-	-	319,696	-	-	18,663,729
April 2024	18,344,033	-	-	319,700	-	-	18,663,733
May 2024	18,502,125	-	-	319,702	-	-	18,821,827
June 2024							
Total FY 2024	\$ 201,942,451	-	\$3,914,500	\$3,516,702	\$ -	\$ -	\$209,373,653

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024

Table 3 – GLWA MBO Transfer History

GLWA MBO Transfer History							
WATER							
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Water
Total FY 2016	\$ 71,052,000	\$ 6,037,100	\$ 10,297,200	\$ 1,983,300	\$ 2,326,900	\$ 606,000	\$ 92,302,500
Total FY 2017	111,879,600	6,037,200	10,297,200	2,077,200	360,000	-	130,651,200
Total FY 2018	121,562,604	6,048,000	10,695,696	2,159,400	-	-	140,465,700
Total FY 2019	121,562,604	6,048,000	10,695,696	2,061,000	-	-	140,367,300
Total FY 2020	126,840,204	6,048,000	10,695,683	1,980,804	-	-	145,564,691
Total FY 2021	134,127,300	6,048,000	10,695,700	2,324,200	-	-	153,195,200
Total FY 2022	143,933,800	6,048,000	10,695,700	2,376,600	-	-	163,054,100
Total FY 2023	156,747,700	6,048,000	10,695,700	2,611,800	-	2,200,000	178,303,200
Total FY 2024 (year to date)	152,975,988	-	2,568,700	2,484,305	-	-	158,028,993
Life to Date	\$1,140,681,800	\$ 48,362,300	\$ 87,337,275	\$ 20,058,609	\$ 2,686,900	\$ 2,806,000	\$1,301,932,884
SEWER							
	Operations & Maintenance	Pension Sub Account	Pension Obligation	WRAP	Budget Stabilization (For Benefit of DWSD)	Extraordinary Repair & Replacement (ER&R)	Total Sewer
Total FY 2016	\$ 100,865,600	\$ 10,838,400	\$ 14,025,800	\$ 2,523,400	\$ 5,591,700	\$ 779,600	\$ 134,624,500
Total FY 2017	175,858,800	10,838,400	14,026,800	2,654,400	2,654,400	-	206,032,800
Total FY 2018	191,079,396	10,824,000	14,687,496	2,760,804	-	-	219,351,696
Total FY 2019	191,079,396	10,824,000	14,687,496	2,870,992	-	-	219,461,884
Total FY 2020	181,925,800	10,824,000	14,687,517	2,887,300	-	-	210,324,617
Total FY 2021	182,296,000	10,824,000	14,687,500	3,764,300	-	-	211,571,800
Total FY 2022	191,908,600	10,824,000	14,687,400	3,868,700	-	-	221,288,700
Total FY 2023	204,122,500	10,824,000	14,687,400	3,673,800	-	-	233,307,700
Total FY 2024 (year to date)	201,942,451	-	3,914,500	3,516,702	-	-	209,373,653
Life to Date	\$1,621,078,543	\$ 86,620,800	\$ 120,091,909	\$ 28,520,398	\$ 8,246,100	\$ 779,600	\$1,865,337,350

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024

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 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.

As of June 30, 2023, GLWA and DWSD have met the requirements of the Plan of Adjustment requiring contributions to the Detroit General Retirement System (GRS) pension plan through Operational and Maintenance Pension sub-accounts. GLWA and DWSD staff monitor the remaining pension obligation closely. Budgeted, annual contributions toward that remaining obligation, at this time identified as limited administrative fee contributions, are transferred to the Pension Obligation Payment fund and reflected in the reported activity found here.

Table 4 – DWSD FY 2024 Water MBO Transfers reflects the required transfers for FY 2024 completed through May 2024. MBO transfers for Water totaling \$61.7 million have been transferred to accounts held by DWSD.

Table 5 – DWSD FY 2024 Sewer MBO Transfers reflects the required transfers for FY 2024 completed through May 2024. MBO transfers for Sewer totaling \$76.3 million have been transferred to accounts held by DWSD.

Table 6 – DWSD Water MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2024 to date.

Table 7 – DWSD Sewer MBO and Lease Payment Transfer History reflects historical transfers for FY 2016 through FY 2024 to date.

Table 4 – DWSD FY 2024 Water MBO Transfers

WATER				
	<u>Operations & Maintenance</u>	<u>Pension</u>	<u>Lease Payment (I&E Fund)</u>	<u>Total Water</u>
FY 2024				
July 2023	\$ 3,731,400	\$ -	\$ 1,875,000	\$ 5,606,400
August 2023	3,731,400	-	1,875,000	5,606,400
September 2023	3,731,400	-	1,875,000	5,606,400
October 2023	3,731,400	-	1,875,000	5,606,400
November 2023	3,731,400	-	1,875,000	5,606,400
December 2023	3,731,400	-	1,875,000	5,606,400
January 2024	3,731,400	-	1,875,000	5,606,400
February 2024	3,731,400	-	1,875,000	5,606,400
March 2024	3,731,400	-	1,875,000	5,606,400
April 2024	3,731,400	-	1,875,000	5,606,400
May 2024	3,731,400	-	1,875,000	5,606,400
June 2024				
Total FY 2024	\$ 41,045,400	-	\$ 20,625,000	\$ 61,670,400

Table 5 – DWSD FY 2024 Sewer MBO Transfers

SEWER				
	<u>Operations & Maintenance</u>	<u>Pension</u>	<u>Lease Payment (I&E Fund)</u>	<u>Total Sewer</u>
FY 2024				
July 2023	\$ 4,642,142	\$ -	\$ 2,291,667	\$ 6,933,809
August 2023	4,642,142	-	2,291,667	6,933,809
September 2023	4,642,142	-	2,291,667	6,933,809
October 2023	4,642,142	-	2,291,667	6,933,809
November 2023	4,642,142	-	2,291,667	6,933,809
December 2023	4,642,142	-	2,291,667	6,933,809
January 2024	4,642,140	-	2,291,667	6,933,807
February 2024	4,642,140	-	2,291,667	6,933,807
March 2024	4,642,142	-	2,291,667	6,933,809
April 2024	4,642,142	-	2,291,667	6,933,809
May 2024	4,642,142	-	2,291,667	6,933,809
June 2024				
Total FY 2024	\$ 51,063,558	-	\$ 25,208,337	\$ 76,271,895

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024

Table 6 – DWSD Water MBO and Lease Payment Transfer History

Transfers to DWSD				
WATER				
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Water
FY 2016 *				
MBO/Lease Requirement	\$ 26,185,600	\$ 4,262,700	\$ 22,500,000	\$ 52,948,300
Offset to Debt Service	-	-	(2,326,900)	(2,326,900)
Net MBO Transfer	26,185,600	4,262,700	20,173,100	50,621,400
FY 2017				
MBO/Lease Requirement	33,596,400	4,262,400	22,500,000	60,358,800
Offset to Debt Service	-	-	-	-
Net MBO Transfer	33,596,400	4,262,400	22,500,000	60,358,800
FY 2018				
MBO/Lease Requirement	35,059,704	4,272,000	22,500,000	61,831,704
Offset to Debt Service	-	-	(1,875,000)	(1,875,000)
Net MBO Transfer	35,059,704	4,272,000	20,625,000	59,956,704
FY 2019				
MBO/Lease Requirement	35,484,300	4,272,000	22,500,000	62,256,300
Offset to Debt Service	-	-	(3,972,200)	(3,972,200)
Net MBO Transfer	35,484,300	4,272,000	18,527,800	58,284,100
FY 2020				
MBO/Lease Requirement	34,662,400	4,272,000	22,500,000	61,434,400
Offset to Debt Service	-	-	(3,548,000)	(3,548,000)
Net MBO Transfer	34,662,400	4,272,000	18,952,000	57,886,400
FY 2021				
MBO/Lease Requirement	35,833,900	4,272,000	22,500,000	62,605,900
Offset to Debt Service	-	-	(8,278,300)	(8,278,300)
Net MBO Transfer	35,833,900	4,272,000	14,221,700	54,327,600
FY 2022				
MBO/Lease Requirement	29,989,000	4,272,000	22,500,000	56,761,000
Offset to Debt Service	-	-	(8,925,400)	(8,925,400)
Net MBO Transfer	29,989,000	4,272,000	13,574,600	47,835,600
FY 2023				
MBO/Lease Requirement	42,581,600	4,272,000	22,500,000	69,353,600
Offset to Debt Service	-	-	(2,922,100)	(2,922,100)
Net MBO Transfer	42,581,600	4,272,000	19,577,900	66,431,500
FY 2024 (year to date)				
MBO/Lease Requirement	41,045,400	-	20,625,000	61,670,400
Offset to Debt Service	-	-	-	-
Net MBO Transfer	41,045,400	-	20,625,000	61,670,400
Life-to-Date				
MBO/Lease Requirement	314,438,304	34,157,100	200,625,000	549,220,404
Offsets	-	-	(31,847,900)	(31,847,900)
Total Water	314,438,304	34,157,100	168,777,100	517,372,504

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024

Table 7 – DWSD Sewer MBO and Lease Payment Transfer History

	SEWER			
	Operations & Maintenance	Operations & Maintenance Pension	Lease Payment (I&E Fund)	Total Sewer
FY 2016 *				
MBO/Lease Requirement	\$ 19,774,300	\$ 2,861,800	\$ 27,500,000	\$ 50,136,100
Offset to Debt Service	-	-	(19,991,500)	(19,991,500)
Total MBO Transfer	19,774,300	2,861,800	7,508,500	30,144,600
FY 2017				
MBO/Lease Requirement	41,535,600	2,862,000	27,500,000	71,897,600
Offset to Debt Service	-	-	-	-
Total MBO Transfer	41,535,600	2,862,000	27,500,000	71,897,600
FY 2018				
MBO/Lease Requirement	60,517,992	2,856,000	27,500,000	90,873,992
Offset to Debt Service	-	-	(9,166,664)	(9,166,664)
Total MBO Transfer	60,517,992	2,856,000	18,333,336	81,707,328
FY 2019				
MBO/Lease Requirement	56,767,920	2,856,000	27,500,000	87,123,920
Offset to Debt Service	-	-	(4,415,000)	(4,415,000)
Total MBO Transfer	56,767,920	2,856,000	23,085,000	82,708,920
FY 2020				
MBO/Lease Requirement	62,343,500	2,856,000	27,500,000	92,699,500
Offset to address shortfall	(7,100,000)	-	-	(7,100,000)
Offset to Debt Service	-	-	(5,032,700)	(5,032,700)
Total MBO Transfer	55,243,500	2,856,000	22,467,300	80,566,800
FY 2021				
MBO/Lease Requirement	69,915,700	2,856,000	27,500,000	100,271,700
Offset to Debt Service	-	-	(3,257,200)	(3,257,200)
Total MBO Transfer	69,915,700	2,856,000	24,242,800	97,014,500
FY 2022				
MBO/Lease Requirement	61,301,000	2,856,000	27,500,000	90,735,453
Offset to Debt Service	-	-	(5,529,297)	(4,607,750)
Total MBO Transfer	61,301,000	2,856,000	21,970,703	86,127,703
FY 2023				
MBO/Lease Requirement	51,396,400	2,856,000	27,500,000	81,752,400
Offset to Debt Service	-	-	(4,388,300)	(4,388,300)
Total MBO Transfer	51,396,400	2,856,000	23,111,700	77,364,100
FY 2024 (year to date)				
MBO/Lease Requirement	51,063,558	-	25,208,337	76,271,895
Offset to Debt Service	-	-	-	-
Total MBO Transfer	51,063,558	-	25,208,337	76,271,895
Life-to-Date				
MBO/Lease Requirement	474,615,970	22,859,800	245,208,337	741,762,560
Offsets	(7,100,000)	-	(51,780,661)	(57,959,114)
Total Sewer	467,515,970	22,859,800	193,427,676	683,803,446

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



This report includes the following:

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

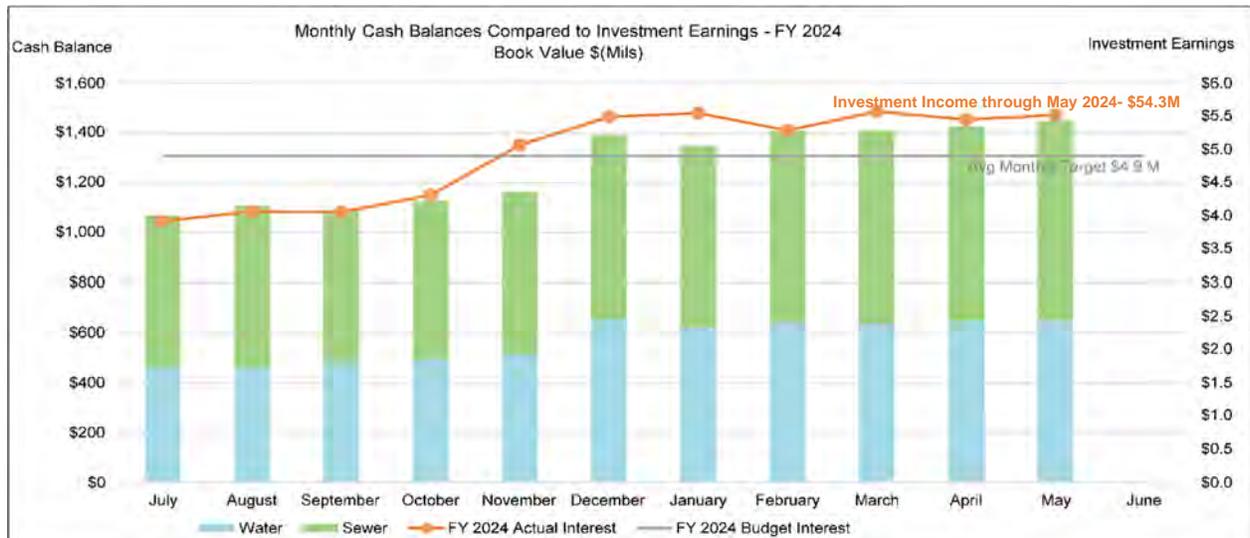
Monthly Cash Balances Compared to Investment Income

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

Cash and investment balances change each month based on Master Bond Ordinance (MBO) funding requirements, operational needs, capital spending pace, and mandatory debt payments. Investment income fluctuates monthly based on cash and investment balances as well as market conditions and investment strategy. For the month of May 2024, GLWA earned investment income of \$5.5 million and cumulative FY 2024 earnings through May 2024 of \$54.3 million. Total investment income reported includes earnings from revenue requirement funds as well as construction bond funds.

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

Chart 1 – Monthly Cash Balances Compared to Investment Income – Through May 2024



\$(Mils)	July	August	September	October	November	December	January	February	March	April	May	June
Water	\$466	\$459	\$481	\$492	\$513	\$651	\$623	\$645	\$640	\$648	\$650	-
Sewer	\$602	\$649	\$609	\$635	\$650	\$743	\$722	\$764	\$769	\$779	\$798	-
Total	\$1,068	\$1,107	\$1,090	\$1,127	\$1,162	\$1,393	\$1,346	\$1,409	\$1,409	\$1,427	\$1,448	-
Investment Income	\$3.9	\$4.1	\$4.1	\$4.3	\$5.1	\$5.5	\$5.5	\$5.3	\$5.6	\$5.4	\$5.5	-

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:

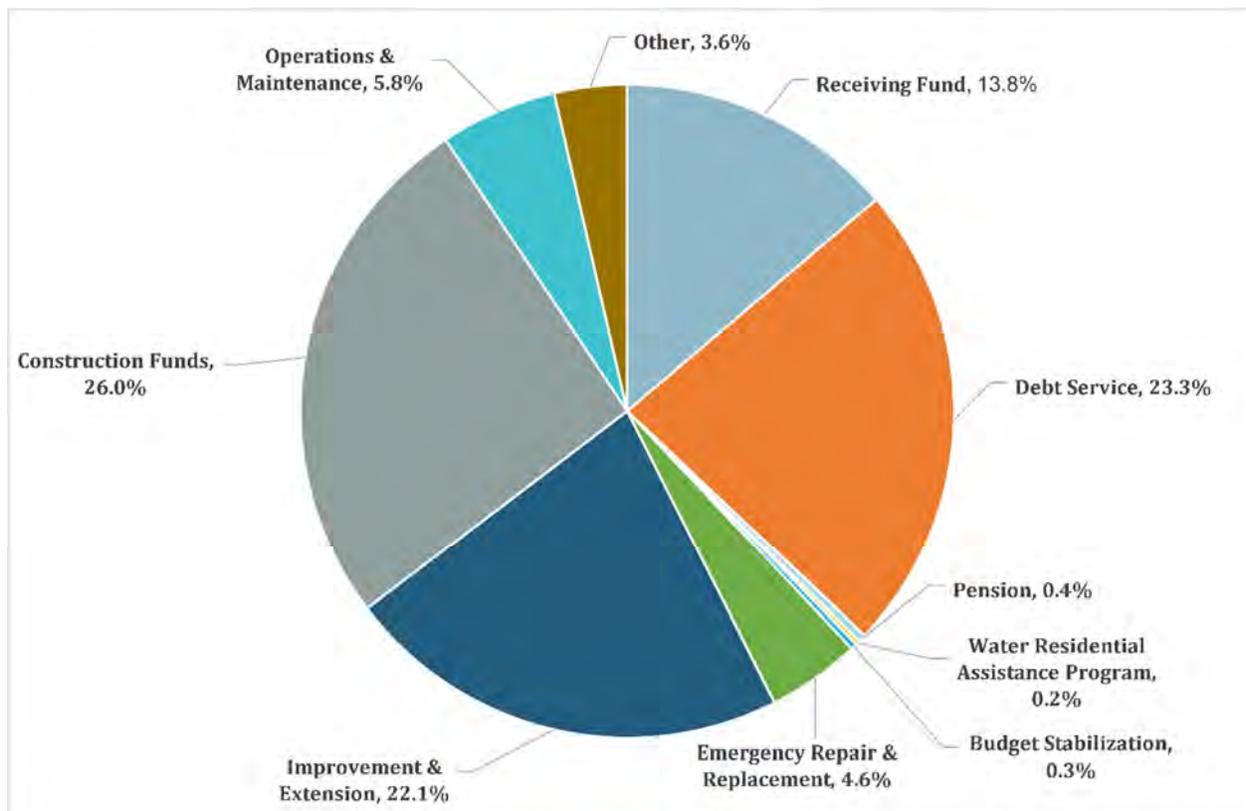
- Bond Proceeds – funds raised from debt issuance used for costs of repairs, construction, and improvements of the regional system
- Operations & Maintenance (O&M) – funds used to meet the operational and maintenance requirements of the regional system
- Other – retainage funds held on behalf of contractors, security deposit funds held on behalf of the City of Flint, and capital contribution funds provided by the Evergreen Farmington Sewer District recognized as related project work is completed

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

Chart 2 – Cash Balances - Water Funds as of May 2024 - Shows the allocation of the balance among the different categories defined in the section above. The total cash balance for Water Funds as of May 31, 2024 is \$650 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.

GLWA completed a bond transaction of \$148.5 million in December 2023 to support water system improvements. These funds along with I&E and SRF low-interest loans are funding the capital program.

Chart 2 – Cash Balances - Water Funds as of May 2024

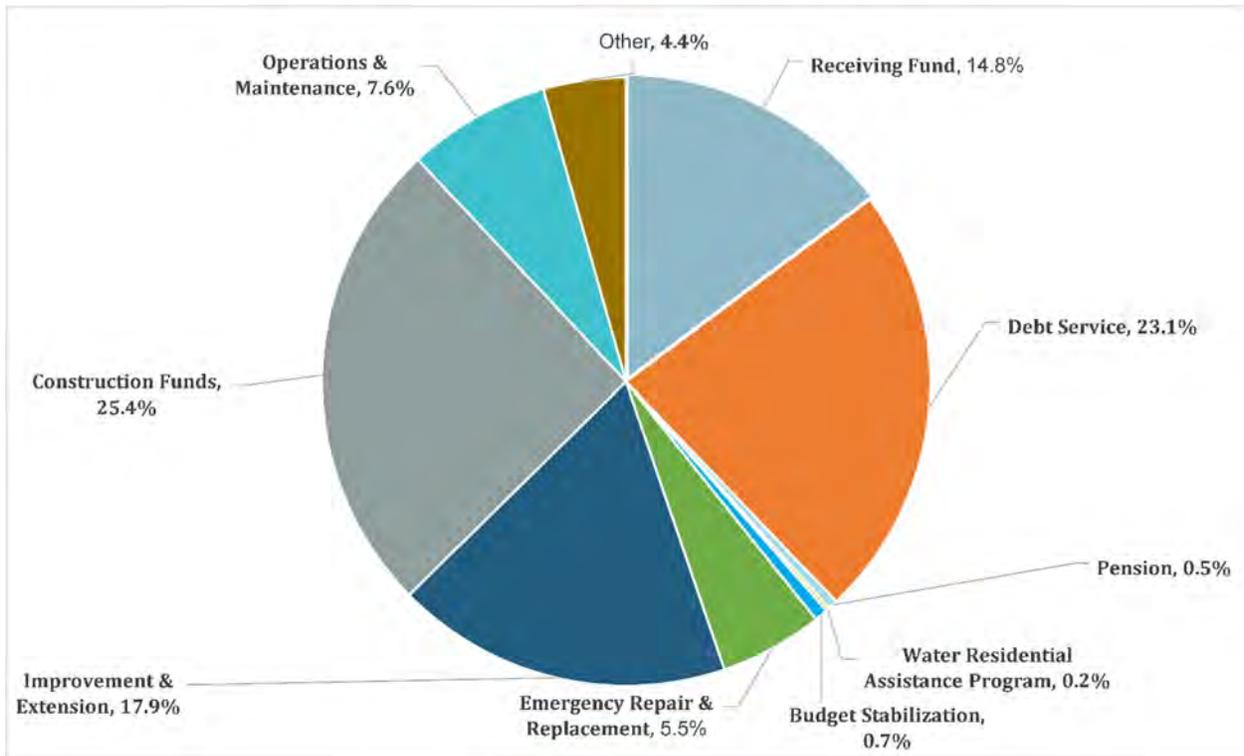


Note: Due to rounding totals may not equal 100%.

Chart 3 – Cash Balances - Sewer Funds as of May 2024 - Shows the allocation of the balance among the different funds defined in the section above. The total cash balance for Sewer Funds as of May 31, 2024 is \$798 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.

In conjunction with the Water Fund transaction, GLWA completed a bond transaction of \$96.8 million in December 2023 to support sewage disposal system improvements. These funds along with I&E and SRF low-interest loans are currently funding the capital program.

Chart 3 – Cash Balances - Sewer Funds as of May 2024



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 2024 water usage and billed revenue which are provided by DWSD staff. As of May 31, 2024, the DWSD usage was at 104.93% of the budget and billed revenue was at 104.10% 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 2024 - Original Budget		FY 2024 - Actual		FY 2024 - Variance		FY 2023 - Actuals	
	Volume Mcf	Revenue \$	Volume Mcf	Revenue (2) \$	Volume Mcf	Revenue \$	Volume Mcf	Revenue \$
July	239,000	12,068,200	248,307	12,606,397	9,307	538,197	244,749	9,490,589
August	237,000	11,985,000	255,079	12,913,868	18,079	928,868	277,313	13,301,941
September	246,000	12,236,000	214,796	11,119,261	(31,204)	(1,116,739)	234,806	11,591,601
October	216,000	11,118,000	222,908	11,409,427	6,908	291,427	239,062	11,730,809
November	205,000	10,664,000	210,687	10,898,684	5,687	234,684	212,663	10,706,519
December	196,000	10,293,000	214,139	11,246,818	18,139	953,818	222,502	11,073,513
January	197,000	10,334,000	224,414	11,263,184	27,414	929,184	227,748	11,257,742
February	208,000	10,788,000	225,041	11,774,408	17,041	986,408	208,568	10,569,468
March	191,000	10,086,000	206,204	11,096,805	15,204	1,010,805	229,264	11,383,630
April	214,000	11,036,000	213,950	10,552,343	(50)	(483,657)	198,665	10,121,640
May	186,000	10,000,000	214,474	10,667,782	28,474	667,782	241,525	11,820,301
June	225,000	11,489,000					257,749	12,567,250
Total	2,560,000	132,097,200	2,450,000	125,548,976	115,000	4,940,776	2,794,614	135,615,003
Subtotals ytd	2,335,000	120,608,200	2,450,000	125,548,976	115,000	4,940,776		
Achievement of Budget			104.93%	104.10%				

(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
June	13,467,858	9,123,179	4,344,679	47.62%
July	5,943,286	8,518,373	(2,575,087)	-30.23%
August	11,794,131	9,636,219	2,157,912	22.39%
September	9,790,065	5,082,383	4,707,682	92.63%
October	9,884,937	13,082,745	(3,197,808)	-24.44%
November	10,499,606	10,270,582	229,024	2.23%
December	13,663,688	11,630,994	2,032,694	17.48%
January	8,506,008	8,857,268	(351,261)	-3.97%
February	8,996,740	8,244,713	752,027	9.12%
March	15,842,538	10,417,832	5,424,705	52.07%
April	13,840,518	9,417,449	4,423,069	46.97%
May	5,960,146	12,162,719	(6,202,573)	-51.00%
Rolling, 12-Month Total	128,189,519	116,444,456		
Rolling, 12-Month Average	10,682,460	9,703,705		

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 2024 sewer billed revenue which are provided by DWSD staff. As of May 31, 2024, the DWSD usage was at 101.54% of the budget and billed revenue was at 98.12% 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 2024 - Original Budget		FY 2024 - Actual		FY 2024 - Variance		FY 2023 - Actuals	
	Volume	Revenue	Volume (2)	Revenue (3)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	200,000	29,187,700	207,574	29,192,723	7,574	5,023	223,661	29,297,748
August	199,000	29,128,000	211,503	29,278,720	12,503	150,720	231,809	29,640,202
September	203,000	29,340,000	178,576	27,476,376	(24,424)	(1,863,624)	197,455	27,523,933
October	182,000	28,119,000	184,383	27,700,095	2,383	(418,905)	194,154	27,375,180
November	172,000	27,526,000	175,498	26,939,338	3,498	(586,662)	172,579	26,525,064
December	165,000	27,111,000	156,164	26,546,712	(8,836)	(564,288)	174,896	26,676,360
January	166,000	27,170,000	182,643	26,882,316	16,643	(287,684)	175,562	26,403,544
February	175,000	27,704,000	179,551	27,455,736	4,551	(248,264)	160,804	25,814,735
March	161,000	26,873,000	165,992	26,725,597	4,992	(147,403)	181,217	26,720,229
April	179,000	27,941,000	179,514	26,737,898	514	(1,203,102)	167,727	26,120,878
May	160,000	26,839,000	170,754	26,225,089	10,754	(613,911)	195,191	27,508,373
June	188,000	28,475,000					206,163	28,018,277
Total	2,150,000	335,413,700	1,992,151	301,160,600	30,151	(5,778,100)	2,281,218	327,624,524
Subtotals ytd	1,962,000	306,938,700	1,992,151	301,160,600	30,151	(5,778,100)		
Achievement of Budget/Goal			101.54%	98.12%				

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

(2) Reflects billed volume based on actual usage except for residential customers where the billed volume differs from actual usage due to residential sewer volume caps implemented in FY 2023.

(3) Retail Revenues include Miscellaneous Revenues and Penalties

Table 4 – DWSD Retail Sewer Collections

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
June	23,769,626	25,922,279	(2,152,653)	-8.30%
July	32,379,222	30,935,343	1,443,879	4.67%
August	25,391,891	26,064,896	(673,005)	-2.58%
September	23,489,448	15,261,467	8,227,981	53.91%
October	21,610,149	28,182,933	(6,572,784)	-23.32%
November	25,951,736	21,994,899	3,956,838	17.99%
December	23,249,973	23,756,153	(506,180)	-2.13%
January	26,248,512	23,760,629	2,487,883	10.47%
February	24,230,304	23,867,073	363,230	1.52%
March	26,438,687	30,697,464	(4,258,777)	-13.87%
April	23,532,381	21,542,671	1,989,710	9.24%
May	22,487,372	24,419,561	(1,932,189)	-7.91%
Rolling 12-Month Total	298,779,301	296,405,368		
Rolling, 12-Month Average	24,898,275	24,700,447		

DWSD Retail Water and Sewer Accounts Receivable Aging Report

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

Table 5 is a summary of the monthly sales, total receivables, bad debt allowance and net water and sewer receivables as of May 31, 2024 with comparative totals from June 30, 2023, June 30, 2022, and June 30, 2021. This table does not include past due accounts that have been transferred to the City of Detroit for collection as tax liens.

The table provides a comparison of days in accounts receivable calculated as net receivables divided by daily sales and confirms that over time days in AR is held in check overall due to a consistent practice of adjusting the allowance for doubtful accounts monthly. To the extent this allowance is adjusted, and bad debt expense is recognized in the DWSD budget, it does not impact GLWA.

Table 6 is a summary of the total, current and non-current water and sewer receivables by category as of May 31, 2024 with comparative totals from May 31, 2023. This table does not include past due accounts that have been transferred to the City of Detroit for collection as tax liens.

The total balance and total bad debt allowance as of May 31, 2024 are reflective of the values in both the Table 5 summary and Table 6 breakdown.

Table 5 – DWSD Retail Accounts Receivable Aging Report – Summary

Summary						
Period Ending	Monthly Sales	Receivables			Days in AR (1)	
		Total	Allowance	Net		
June 30, 2021	\$ 36,335,000	\$ 248,055,000	\$ (200,146,000)	\$ 47,909,000	40	
June 30, 2022	\$ 39,022,000	\$ 300,346,000	\$ (253,924,000)	\$ 46,422,000	36	
June 30, 2023	\$ 39,443,000	\$ 327,023,000	\$ (272,012,000)	\$ 55,011,000	42	
May 31, 2024 (2)	\$ 37,658,000	\$ 315,686,000	\$ (261,555,000)	\$ 54,131,000	43	

Totals may be off due to rounding

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

(2) The annual AR Tax Roll Transfer totaling \$22,892,000 was made in October 2023.

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

Sales Class	Avg.					
	Balance	Current	> 30 Days	> 60 Days	> 180 Days	A/R Balance
Residential	\$ 864.54	\$ 15,221,000 8.0%	\$ 11,023,000 5.8%	\$ 33,591,000 17.7%	\$ 130,097,000 68.5%	\$ 189,933,000 100.0%
Commercial	1,237.68	6,590,000 25.0%	2,058,000 7.8%	5,632,000 21.3%	12,129,000 45.9%	26,408,000 100.0%
Industrial	3,525.40	4,579,000 35.4%	908,000 7.0%	2,065,000 16.0%	5,386,000 41.6%	12,938,000 100.0%
Tax Exempt	676.18	494,000 19.1%	181,000 7.0%	533,000 20.6%	1,374,000 53.2%	2,582,000 100.0%
Government	437.56	4,410,000 22.3%	1,486,000 7.5%	1,250,000 6.3%	12,637,000 63.9%	19,783,000 100.0%
Drainage	620.78	2,113,000 7.6%	1,205,000 4.3%	3,489,000 12.5%	21,089,000 75.6%	27,895,000 100.0%
Subtotal - Active Accounts	\$ 825.42	\$ 33,406,000 12.0%	\$ 16,862,000 6.0%	\$ 46,559,000 16.7%	\$ 182,712,000 65.4%	\$ 279,539,000 100.0%
Inactive Accounts	100.62	98,000 0.3%	151,000 0.4%	1,441,000 4.0%	34,456,000 95.3%	36,147,000 100.0%
Total	\$ 452.34	\$ 33,505,000 10.6%	\$ 17,013,000 5.4%	\$ 48,000,000 15.2%	\$ 217,168,000 68.8%	\$ 315,686,000 100.0%
% of Total A/R						
Water Fund	93.76	\$ 9,660,000	\$ 4,320,000	\$ 12,192,000	\$ 39,263,000	\$ 65,434,000
Sewer Fund	359.20	\$ 23,845,000	\$ 12,693,000	\$ 35,807,000	\$ 177,906,000	\$ 250,252,000
Total May 31, 2024 (a)	\$ 452.34	\$ 33,505,000	\$ 17,013,000	\$ 48,000,000	\$ 217,168,000	\$ 315,686,000
Water Fund- Allowance						\$ (50,504,000)
Sewer Fund- Allowance						\$ (211,051,000)
Total Bad Debt Allowance						\$ (261,555,000)
Comparative - May 2023 (b)	\$ 492.83	\$ 37,766,000	\$ 16,404,000	\$ 45,262,000	\$ 229,689,000	\$ 329,122,000
Difference (a) - (b)		\$ (4,261,000)	\$ 609,000	\$ 2,737,000	\$ (12,521,000)	\$ (13,435,000)

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024



The Monthly Wholesale Billings and Collections Report includes the following.

1. Wholesale Water Billings and Collections
2. Wholesale Sewer Billings and Collections
3. Wholesale Water & Sewer Accounts Receivable Aging Reports

Wholesale Water Billings and Collections

Wholesale Water Contracts: Great Lakes Water Authority (GLWA) provides wholesale water service to 86 member-partners through a variety of service arrangements.

Service Arrangement Type

Model Contracts	85
Emergency	0
No Contracts	1
Total	86

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 2024 water billed usage and revenues. As of May 31, 2024, the billed usage was at 95.55% of the original plan and billed revenue at 98.27% of the original plan. Billings and usage from the City of Flint are included as they were assumed in the FY 2024 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. Current year collections are trending above the prior year for the twelve-month period ending May 31, 2024.

Table 1 – FY 2024 Wholesale Water Billings Report

WHOLESALE WATER CHARGES								
Month (1)	FY 2024 Charges (2)		FY 2024 Actual		FY 2024 Variance		FY 2023 Actuals	
	Volume	Revenue	Volume	Revenue (4)	Volume	Revenue	Volume	Revenue
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$
July	1,607,433	34,283,300	1,396,012	31,956,320	(211,421)	(2,326,980)	1,664,936	34,349,872
August	1,469,739	32,797,900	1,295,617	30,947,078	(174,122)	(1,850,822)	1,418,347	31,555,444
September	1,284,305	30,543,500	1,212,814	29,862,077	(71,491)	(681,423)	1,308,481	30,306,713
October	1,037,450	27,748,500	1,043,901	27,856,141	6,451	107,641	1,055,245	27,391,089
November	898,776	26,395,000	899,934	26,481,380	1,158	86,380	906,669	25,911,801
December	966,122	26,990,700	947,841	26,904,465	(18,281)	(86,235)	990,177	26,652,607
January	963,772	27,002,600	984,406	27,231,881	20,634	229,281	979,573	26,536,118
February	874,396	26,142,700	877,428	26,143,840	3,032	1,140	869,843	25,535,320
March	960,207	26,930,300	930,938	26,675,356	(29,269)	(254,944)	961,541	26,356,490
April	917,893	26,581,600	886,646	26,342,756	(31,247)	(238,844)	917,599	25,997,955
May	1,136,342	29,098,000	1,101,158	28,684,891	(35,184)	(413,109)	1,169,448	28,895,975
June	1,460,066	32,678,300	-	-	-	-	1,570,958	33,407,419
Total	13,576,500	347,192,400	11,576,695	309,086,185	(539,739)	(5,427,915)	13,812,817	342,896,802
Subtotals ytd	12,116,434	314,514,100	11,576,695	309,086,185	(539,739)	(5,427,915)		
Achievement of Original Plan			95.55%	98.27%				
Billing Adjustments (5)			8,009	109,342				
			11,584,704	309,195,527				
			101.17%	100.56%				

(1) Figures are stated as "Service Months"; that is, July figures represent bills issued in August, etc.
 (2) Charges are based on the approved FY 2024 water supply system charge schedule.
 (3) Reflects approved budget amendments related to commodity usage
 (4) Water Revenues differ from Table 1A because amounts are reduced by the monthly payment to the City of Flint for a license to raw water rights under the Flint Raw Water Contract in Table 1A
 (5) Reflects prior period adjustments made in the current year for Madison Heights.

Table 2 - Wholesale Water Collections

Water				
Month	Current Year	Prior Year	Variance	Ratio
June	29,370,704	26,379,503	(26,379,503)	-100.00%
July	22,645,008	14,435,092	8,209,916	56.87%
August	36,275,672	41,154,992	(4,879,320)	-11.86%
September	29,955,755	21,887,632	8,068,123	36.86%
October	26,617,271	38,029,648	(11,412,377)	-30.01%
November	35,490,010	30,903,329	4,586,681	14.84%
December	28,246,829	34,298,469	(6,051,640)	-17.64%
January	24,448,936	19,182,054	5,266,882	27.46%
February	29,100,065	26,553,529	2,546,536	9.59%
March	24,740,554	26,074,213	(1,333,659)	-5.11%
April	26,856,179	20,940,451	5,915,728	28.25%
May	25,838,255	29,265,308	(3,427,053)	-11.71%
Rolling 12-Month Total	339,585,239	329,104,220		
Rolling, 12-Month Average	28,298,770	27,425,352		

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 Contracts	14
Emergency	0
Older Contracts	4
Total	18

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 2024 sewer billed revenue. As of May 31, 2024 the billed revenue is at 100.00% of the original plan.

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

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

The shift in wholesale sewer collection patterns is largely attributable to the timing of payments received. There are several large accounts whose payments swing between the end of the current month and the beginning of the next month. Current year collections are trending above the twelve-month period ending May 31, 2024.

Table 3 – FY 2024 Wholesale Sewer Billings Report

WHOLESALE SEWER CHARGES									
Month (1)	FY 2024 Charges		FY 2024 - Actual		FY 2024 - Variance		FY 2023 - Actuals		
	Volume (2)	Revenue	Volume (2)	Revenue	Volume (2)	Revenue	Volume	Revenue	
	Mcf	\$	Mcf	\$	Mcf	\$	Mcf	\$	
July	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
August	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
September	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
October	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
November	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
December	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
January	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
February	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
March	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
April	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
May	N/A	23,494,800	N/A	23,494,800	N/A	-	N/A	22,888,100	
June	N/A	23,494,800	N/A	0	N/A	-	N/A	22,888,100	
Total		281,937,600		258,442,800		-		274,657,200	
Subtotals ytd		258,442,800		258,442,800		-			
Achievement of Budget						100.00%			

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

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

Table 4 - Wholesale Sewer Collections

Sewer				
Month	Current Year	Prior Year	Variance	Ratio
June	38,287,549	29,659,245	8,628,304	29.09%
July	22,331,831	28,223,515	(5,891,684)	-20.88%
August	22,377,366	21,036,661	1,340,705	6.37%
September	18,770,419	22,244,437	(3,474,018)	-15.62%
October	23,107,016	24,707,249	(1,600,233)	-6.48%
November	27,958,885	19,882,939	8,075,946	40.62%
December	21,351,498	18,314,222	3,037,276	16.58%
January	21,117,470	17,636,972	3,480,498	19.73%
February	27,856,400	33,102,769	(5,246,369)	-15.85%
March	23,460,900	23,746,469	(285,569)	-1.20%
April	18,685,600	17,769,710	915,890	5.15%
May	28,363,300	18,213,966	10,149,334	55.72%
Rolling 12-Month Total	293,668,235	274,538,154		
Rolling, 12-Month Average	24,472,353	22,878,180		

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024

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 5 - Wholesale Accounts Receivable Aging Report Summary is a summary of the total, current and non-current receivables by category as of May 31, 2024.

Table 6 - Wholesale Accounts Receivable Aging Report, Net of Dearborn is the same summary *without* the past due balances for the City of Dearborn. There is one past due amount related to water and IWC. GLWA staff is working with the community to address.

The two largest past due Pollutant Surcharge accounts paid their past due balance in June. The remaining past due balances consist of smaller account holders that GLWA staff continue to communicate with.

Table 5 - Wholesale Accounts Receivable Aging Report Summary

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 40,597,981.05	\$ 34,942,948.02	\$ 764,680.22	\$ 886,838.92	\$ 4,003,513.89
Sewer	\$ 14,020,009.39	\$ 14,020,009.39	\$ -	\$ -	\$ -
IWC	\$ 510,963.99	\$ 510,772.89	\$ 191.10	\$ -	\$ -
Pollutant Surcharge	\$ 379,046.13	\$ 370,697.64	\$ (14,848.78)	\$ 15,904.82	\$ 7,292.45
Total	\$ 55,508,000.56	\$ 49,844,427.94	\$ 750,022.54	\$ 902,743.74	\$ 4,010,806.34
	100.00%	89.80%	1.35%	1.63%	7.23%

Table 6 - Wholesale Accounts Receivable Aging Report, Net Dearborn

	Total	Current	46-74 Days	75-104 Days	>105 Days
Water	\$ 31,784,115.37	\$ 31,752,974.56	\$ 31,140.81	\$ -	\$ -
Sewer	\$ 14,020,009.39	\$ 14,020,009.39	\$ -	\$ -	\$ -
IWC	\$ 510,963.99	\$ 510,772.89	\$ 191.10	\$ -	\$ -
Pollutant Surcharge	\$ 379,046.13	\$ 370,697.64	\$ (14,848.78)	\$ 15,904.82	\$ 7,292.45
Total	\$ 46,694,134.88	\$ 46,654,454.48	\$ 16,483.13	\$ 15,904.82	\$ 7,292.45
	100.00%	99.92%	0.04%	0.03%	0.02%



The Monthly Trust Receipts & Disbursements Report includes the following.

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

GLWA Trust Receipts & Disbursements

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

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

Table 1 – GLWA Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2024 reflects eleven months of activity to date.

Water fund receipts exceeded required disbursements by 7% through May 31, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 8% since July 1, 2019.

Sewer fund receipts exceeded required disbursements by 5% through May 31, 2024 in line with the four-year historical average ratio of required receipts exceeding disbursements by 7% since July 1, 2019.

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 2020	FY 2021	FY 2022	FY 2023	FY 2024 Thru May 31
Water					
1 Receipts	\$ 332,606,196	\$ 336,642,021	\$ 338,117,694	\$ 363,335,474	\$ 345,042,950
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	332,606,196	336,642,021	338,117,694	363,335,474	345,042,950
4 Disbursements	(296,190,425)	(308,713,407)	(316,495,360)	(349,186,375)	(323,311,049)
5 Receipts Net of Required Transfers	36,415,771	27,928,614	21,622,334	14,149,099	21,731,901
6 I&E Transfer	(25,719,751)	(31,991,687)	(26,622,862)	(9,898,100)	(28,618,500)
7 Net Receipts	\$ 10,696,020	\$ (4,063,073)	\$ (5,000,528)	\$ 4,250,999	\$ (6,886,599)
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	112%	109%	107%	104%	107%
Sewer					
9 Receipts	\$ 490,461,356	\$ 472,871,853	\$ 471,979,297	\$ 498,888,416	\$ 466,357,743
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	490,461,356	472,871,853	471,979,297	498,888,416	466,357,743
12 Disbursements	(445,604,952)	(436,600,883)	(450,701,751)	(473,516,238)	(443,464,337)
13 Receipts Net of Required Transfers	44,856,404	36,270,970	21,277,546	25,372,178	22,893,406
14 I&E Transfer	(19,096,200)	(40,504,727)	(37,651,788)	(26,766,200)	(12,468,000)
15 DWSD Shortfall Advance	-	-	-	-	-
16 Shortfall Repayment (principal)	17,542,669	18,206,431	8,296,578	-	-
17 Net Receipts	\$ 43,302,873	\$ 13,972,674	\$ (8,077,664)	\$ (1,394,022)	\$ 10,425,406
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	110%	108%	105%	105%	105%
Combined					
19 Receipts	\$ 823,067,552	\$ 809,513,874	\$ 810,096,991	\$ 862,223,890	\$ 811,400,693
20 MOU Adjustments	-	-	-	-	-
21 Adjusted Receipts	823,067,552	809,513,874	810,096,991	862,223,890	811,400,693
22 Disbursements	(741,795,377)	(745,314,290)	(767,197,111)	(822,702,613)	(766,775,386)
23 Receipts Net of Required Transfers	81,272,175	64,199,584	42,899,880	39,521,277	44,625,307
24 I&E Transfer	(44,815,951)	(72,496,414)	(64,274,650)	(36,664,300)	(41,086,500)
25 Shortfall Advance	-	-	-	-	-
26 Shortfall Repayment	17,542,669	18,206,431	8,296,578	-	-
27 Net Receipts	\$ 53,998,893	\$ 9,909,601	\$ (13,078,192)	\$ 2,856,977	\$ 3,538,807
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	111%	109%	106%	105%	106%

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024

Chart 1 – GLWA 12-Month Net Receipts – Water

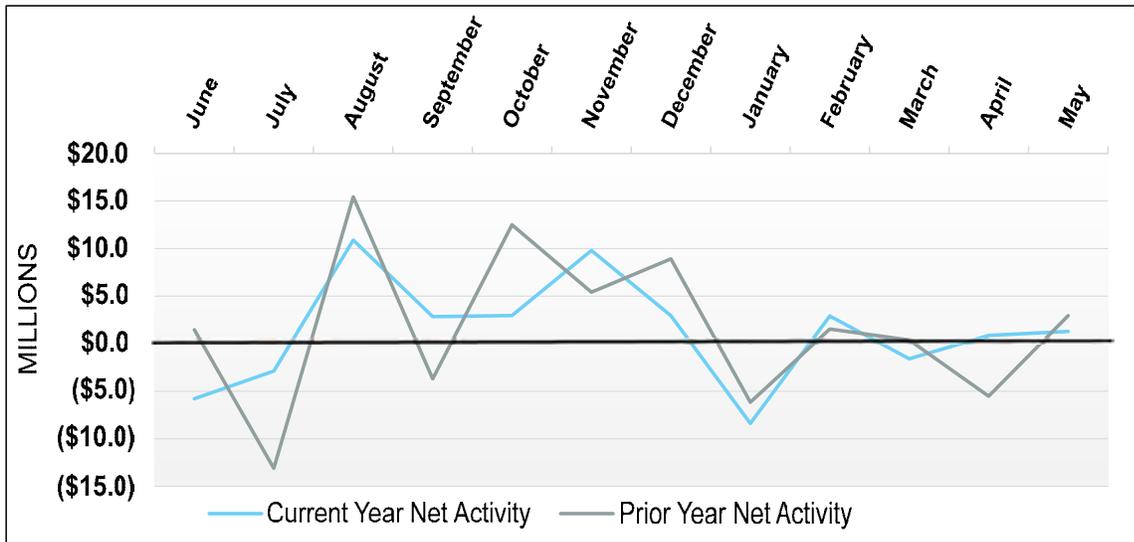
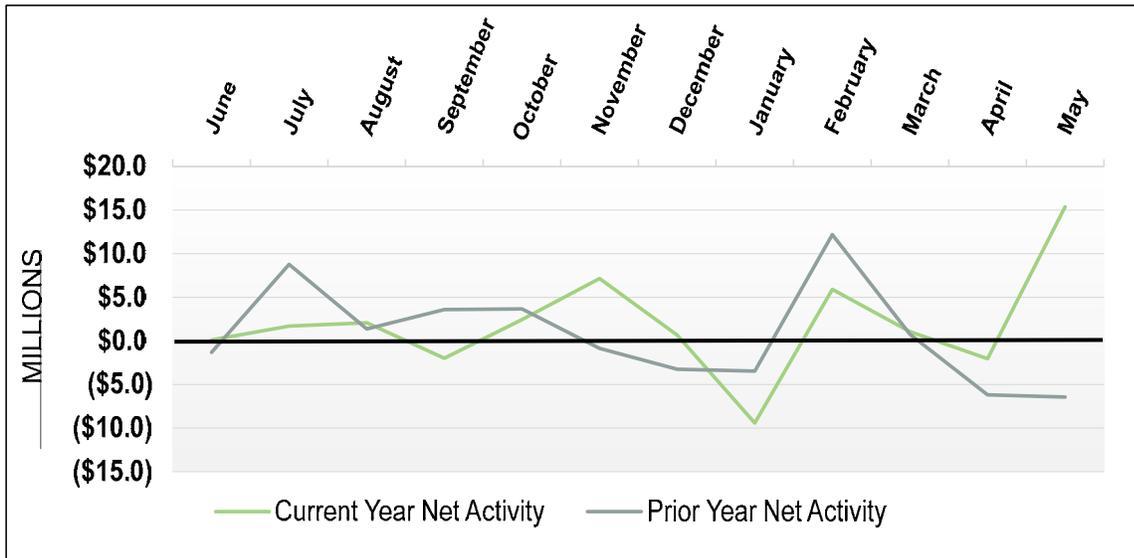


Chart 2 – GLWA 12-Month Net Receipts – Sewer



DWSD Trust Receipts & Disbursements

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

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

Table 2 – DWSD Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2024 reflects eleven months of activity to date.

Water fund receipts exceeded required disbursements by 7% through May 31, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 4% since July 1, 2019.

Sewer fund receipts exceeded required disbursements by 4% through May 31, 2024 compared to the four-year historical average of required receipts exceeding disbursements by 2% since July 1, 2019.

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

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024 Thru May 31
Water					
1 Receipts	\$ 96,885,723	\$ 102,067,423	\$ 101,964,963	\$ 123,766,624	\$ 114,770,529
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	96,885,723	102,067,423	101,964,963	123,766,624	114,770,529
4 Disbursements	(97,823,097)	(100,707,200)	(94,495,601)	(117,666,100)	(107,603,658)
5 Receipts Net of Required Transfers	(937,374)	1,360,223	7,469,362	6,100,524	7,166,871
6 I&E Transfer	-	-	-	-	-
7 Net Receipts	\$ (937,374)	\$ 1,360,223	\$ 7,469,362	\$ 6,100,524	\$ 7,166,871
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	99%	101%	108%	105%	107%
Sewer					
9 Receipts	\$ 264,689,559	\$ 308,210,767	\$ 291,280,896	\$ 298,896,942	\$ 275,129,769
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	264,689,559	308,210,767	291,280,896	298,896,942	275,129,769
12 Disbursements	(275,507,374)	(295,100,771)	(285,256,000)	(283,095,100)	(264,214,428)
13 Receipts Net of Required Transfers	(10,817,815)	13,109,996	6,024,896	15,801,842	10,915,341
14 I&E Transfer	-	-	-	-	-
15 Shortfall Advance from GLWA	-	-	-	-	-
16 Net Receipts	\$ (10,817,815)	\$ 13,109,996	\$ 6,024,896	\$ 15,801,842	\$ 10,915,341
17 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	96%	104%	102%	106%	104%
Combined					
18 Receipts	\$ 361,575,282	\$ 410,278,190	\$ 393,245,859	\$ 422,663,566	\$ 389,900,298
19 MOU Adjustments	-	-	-	-	-
20 Adjusted Receipts	361,575,282	410,278,190	393,245,859	422,663,566	389,900,298
21 Disbursements	(373,330,471)	(395,807,971)	(379,751,601)	(400,761,200)	(371,818,086)
22 Receipts Net of Required Transfers	(11,755,189)	14,470,219	13,494,258	21,902,366	18,082,212
23 I&E Transfer	-	-	-	-	-
24 Shortfall Advance from GLWA	-	-	-	-	-
25 Net Receipts	\$ (11,755,189)	\$ 14,470,219	\$ 13,494,258	\$ 21,902,366	\$ 18,082,212
26 <i>Ratio of Receipts to Required Disbursements (Line 20/Line 21)</i>	97%	104%	104%	105%	105%

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.

Chart 3 – DWSD 12-Month Net Receipts – Water

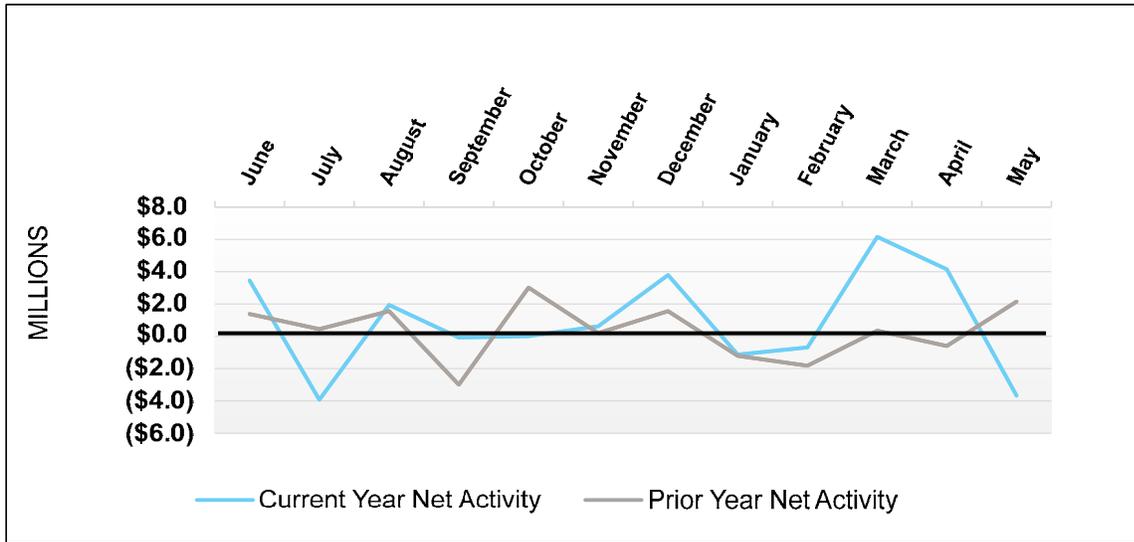
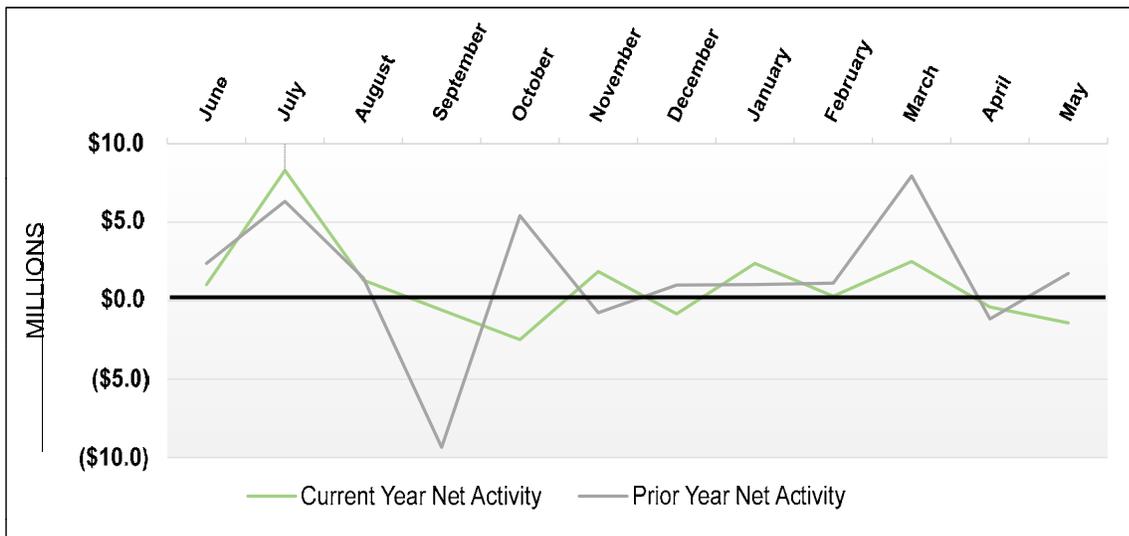


Chart 4 – DWSD 12-Month Net Receipts – Sewer



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 3 – Combined Net Cash Flows from Trust Receipts & Disbursements provides a summary of cash receipt collections and required MBO transfers by fiscal year. Fiscal year 2024 reflects eleven months of activity to date.

Water fund net receipts exceeded required disbursements by 7% through May 31, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 7% since July 1, 2019.

Sewer fund receipts exceeded required disbursements by 5% through May 31, 2024 compared to the four-year historical average ratio of required receipts exceeding disbursements by 5% since July 1, 2019.

Table 3 – Combined Net Cash Flows from Trust Receipts & Disbursements

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024 Thru May 31
Water					
1 Receipts	\$ 429,491,919	\$ 438,709,444	\$ 440,082,657	\$ 487,102,098	\$ 459,813,479
2 MOU Adjustments	-	-	-	-	-
3 Adjusted Receipts	429,491,919	438,709,444	440,082,657	487,102,098	459,813,479
4 Disbursements	(394,013,522)	(409,420,607)	(410,990,961)	(466,852,475)	(430,914,707)
5 Receipts Net of Required Transfers	35,478,397	29,288,837	29,091,696	20,249,623	28,898,772
6 I&E Transfer	(25,719,751)	(31,991,687)	(26,622,862)	(9,898,100)	(28,618,500)
7 Net Receipts	\$ 9,758,646	\$ (2,702,850)	\$ 2,468,834	\$ 10,351,523	\$ 280,272
8 <i>Ratio of Receipts to Required Disbursements (Line 3/Line 4)</i>	109%	107%	107%	104%	107%
Sewer					
9 Receipts	\$ 755,150,915	\$ 781,082,620	\$ 763,260,193	\$ 797,785,358	\$ 741,487,512
10 MOU Adjustments	-	-	-	-	-
11 Adjusted Receipts	755,150,915	781,082,620	763,260,193	797,785,358	741,487,512
12 Disbursements	(721,112,326)	(731,701,654)	(735,957,751)	(756,611,338)	(707,678,765)
13 Receipts Net of Required Transfers	34,038,589	49,380,966	27,302,442	41,174,020	33,808,747
14 I&E Transfer	(19,096,200)	(40,504,727)	(37,651,788)	(26,766,200)	(12,468,000)
15 Shortfall Advance	-	-	-	-	-
16 Shortfall Repayment (principal)	17,542,669	18,206,431	8,296,578	-	-
17 Net Receipts	\$ 32,485,058	\$ 27,082,670	\$ (2,052,768)	\$ 14,407,820	\$ 21,340,747
18 <i>Ratio of Receipts to Required Disbursements (Line 11/Line 12)</i>	105%	107%	104%	105%	105%
Combined					
19 Receipts	\$ 1,184,642,834	\$ 1,219,792,064	\$ 1,203,342,850	\$ 1,284,887,456	\$ 1,201,300,991
20 MOU Adjustments	-	-	-	-	-
21 Adjusted Receipts	1,184,642,834	1,219,792,064	1,203,342,850	1,284,887,456	1,201,300,991
22 Disbursements	(1,115,125,848)	(1,141,122,261)	(1,146,948,712)	(1,223,463,813)	(1,138,593,472)
23 Receipts Net of Required Transfers	69,516,986	78,669,803	56,394,138	61,423,643	62,707,519
24 I&E Transfer	(44,815,951)	(72,496,414)	(64,274,650)	(36,664,300)	(41,086,500)
25 Shortfall Advance	-	-	-	-	-
26 Shortfall Repayment	17,542,669	18,206,431	8,296,578	-	-
27 Net Receipts	\$ 42,243,704	\$ 24,379,820	\$ 416,066	\$ 24,759,343	\$ 21,621,019
28 <i>Ratio of Receipts to Required Disbursements (Line 21/Line 22)</i>	106%	107%	105%	105%	106%

All amounts are unaudited unless otherwise noted.

GLWA Audit Committee August 23, 2024

APPENDIX

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$201,397.07	\$201,397.07	\$0.00	\$0.00	\$0.00
ALMONT VILLAGE	\$21,132.56	\$21,132.56	\$0.00	\$0.00	\$0.00
ASH TOWNSHIP	\$76,094.04	\$76,094.04	\$0.00	\$0.00	\$0.00
BELLEVILLE	\$29,594.14	\$29,594.14	\$0.00	\$0.00	\$0.00
BERLIN TOWNSHIP	\$61,266.86	\$61,266.86	\$0.00	\$0.00	\$0.00
BROWNSTOWN TOWNSHIP	\$320,143.40	\$320,143.40	\$0.00	\$0.00	\$0.00
BRUCE TOWNSHIP	\$24,150.26	\$24,150.26	\$0.00	\$0.00	\$0.00
BURTCHVILLE TOWNSHIP	\$36,917.99	\$36,917.99	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$950,971.19	\$950,971.19	\$0.00	\$0.00	\$0.00
CENTER LINE	\$88,187.24	\$88,187.24	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$378,255.68	\$378,255.68	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$652,727.34	\$652,727.34	\$0.00	\$0.00	\$0.00
COMMERCE TOWNSHIP	\$578,047.00	\$578,047.00	\$0.00	\$0.00	\$0.00
DEARBORN	\$8,813,865.68	\$3,189,973.46	\$733,539.41	\$886,838.92	\$4,003,513.89
DEARBORN HEIGHTS	\$340,709.74	\$340,709.74	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$144,270.89	\$144,270.89	\$0.00	\$0.00	\$0.00
ECORSE	\$102,501.10	\$102,501.10	\$0.00	\$0.00	\$0.00
FARMINGTON	\$86,231.98	\$86,231.98	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$1,521,154.14	\$1,521,154.14	\$0.00	\$0.00	\$0.00
FERNDALE	\$100,275.74	\$100,275.74	\$0.00	\$0.00	\$0.00
FLAT ROCK	\$127,011.83	\$127,011.83	\$0.00	\$0.00	\$0.00
FLINT	\$388,493.31	\$388,493.31	\$0.00	\$0.00	\$0.00
FRASER	\$111,403.81	\$111,403.81	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
GARDEN CITY	\$153,883.99	\$153,883.99	\$0.00	\$0.00	\$0.00
GENESEE COUNTY DRAIN COMM	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GIBRALTAR	\$33,905.12	\$33,905.12	\$0.00	\$0.00	\$0.00
GREATER LAPEER CUA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GREENWOOD TWP. (DTE)	\$175,402.18	\$175,402.18	\$0.00	\$0.00	\$0.00
GROSSE ILE TOWNSHIP	\$108,142.37	\$108,142.37	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$221,318.49	\$221,318.49	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$48,736.86	\$48,736.86	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$106,750.44	\$106,750.44	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$75,947.36	\$75,947.36	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$81,130.38	\$81,130.38	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$142,668.95	\$142,668.95	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$68,001.83	\$68,001.83	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$80,222.32	\$80,222.32	\$0.00	\$0.00	\$0.00
HURON TOWNSHIP	\$188,163.26	\$188,163.26	\$0.00	\$0.00	\$0.00
IMLAY CITY	\$136,584.07	\$136,584.07	\$0.00	\$0.00	\$0.00
IMLAY TOWNSHIP (CHAMPION BUS	\$915.58	\$915.58	\$0.00	\$0.00	\$0.00
INKSTER	\$239,673.04	\$239,673.04	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$26,403.96	\$26,403.96	\$0.00	\$0.00	\$0.00
LAPEER	\$141,991.33	\$141,991.33	\$0.00	\$0.00	\$0.00
LENOX TOWNSHIP	\$61,641.60	\$61,641.60	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
LINCOLN PARK	\$214,487.83	\$214,487.83	\$0.00	\$0.00	\$0.00
LIVONIA	\$1,006,423.13	\$1,006,423.13	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$1,074,709.98	\$1,074,709.98	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$187,605.82	\$187,605.82	\$0.00	\$0.00	\$0.00
MAYFIELD TOWNSHIP (KAMAX)	\$4,307.39	\$4,307.39	\$0.00	\$0.00	\$0.00
MELVINDALE	\$62,064.55	\$62,064.55	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$39,782.11	\$39,782.11	\$0.00	\$0.00	\$0.00
NOCWA	\$1,916,778.16	\$1,916,778.16	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$64,507.52	\$64,507.52	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$448,859.52	\$448,859.52	\$0.00	\$0.00	\$0.00
NOVI	\$785,514.75	\$785,514.75	\$0.00	\$0.00	\$0.00
OAK PARK	\$261,931.25	\$261,931.25	\$0.00	\$0.00	\$0.00
OAKLAND CO DR COM	\$8,387.04	\$8,387.04	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$187,369.12	\$187,228.31	\$140.81	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$777,425.91	\$746,425.91	\$31,000.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$263,931.05	\$263,931.05	\$0.00	\$0.00	\$0.00
RIVER ROUGE	\$107,751.60	\$107,751.60	\$0.00	\$0.00	\$0.00
RIVERVIEW	\$153,476.69	\$153,476.69	\$0.00	\$0.00	\$0.00
ROCKWOOD	\$22,703.49	\$22,703.49	\$0.00	\$0.00	\$0.00
ROMEO	\$16,258.51	\$16,258.51	\$0.00	\$0.00	\$0.00
ROMULUS	\$660,033.16	\$660,033.16	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$238,208.21	\$238,208.21	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$19,176.08	\$19,176.08	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SHELBY TOWNSHIP	\$934,967.08	\$934,967.08	\$0.00	\$0.00	\$0.00
SOCWA	\$4,003,145.94	\$4,003,145.94	\$0.00	\$0.00	\$0.00
SOUTH ROCKWOOD	\$11,865.57	\$11,865.57	\$0.00	\$0.00	\$0.00
SOUTHGATE	\$185,681.21	\$185,681.21	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$280,008.33	\$280,008.33	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$1,309,334.73	\$1,309,334.73	\$0.00	\$0.00	\$0.00
SUMPTER TOWNSHIP	\$66,553.78	\$66,553.78	\$0.00	\$0.00	\$0.00
SYLVAN LAKE	\$ (347.06)	\$ (347.06)	\$0.00	\$0.00	\$0.00
TAYLOR	\$450,989.17	\$450,989.17	\$0.00	\$0.00	\$0.00
TRENTON	\$152,962.68	\$152,962.68	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$1,169,498.42	\$1,169,498.42	\$0.00	\$0.00	\$0.00
UTICA	\$50,887.00	\$50,887.00	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$285,354.61	\$285,354.61	\$0.00	\$0.00	\$0.00
WALLED LAKE	\$142,252.53	\$142,252.53	\$0.00	\$0.00	\$0.00
WARREN	\$871,419.19	\$871,419.19	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$191,002.70	\$191,002.70	\$0.00	\$0.00	\$0.00
WAYNE	\$169,060.36	\$169,060.36	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$1,837,502.12	\$1,837,502.12	\$0.00	\$0.00	\$0.00
WESTLAND	\$541,047.19	\$541,047.19	\$0.00	\$0.00	\$0.00
WIXOM	\$205,664.49	\$205,664.49	\$0.00	\$0.00	\$0.00
WOODHAVEN	\$127,241.77	\$127,241.77	\$0.00	\$0.00	\$0.00
YCUA	\$1,843,910.25	\$1,843,910.25	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- WATER ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
TOTAL WATER ACCOUNTS	\$40,597,981.05	\$34,942,948.02	\$764,680.22	\$886,838.92	\$4,003,513.89

GLWA Aged Accounts Receivable- SEWER ACCOUNTS

Balances as of 05/31/24

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	\$89,299.50	\$89,299.50	\$0.00	\$0.00	\$0.00
DEARBORN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EVERGREEN-FARMINGTON	\$3,099,400.00	\$3,099,400.00	\$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	\$346,100.00	\$346,100.00	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$404,200.00	\$404,200.00	\$0.00	\$0.00	\$0.00
MELVINDALE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OAKLAND COUNTY GWK DD	\$3,971,300.00	\$3,971,300.00	\$0.00	\$0.00	\$0.00
OMID	\$6,109,709.89	\$6,109,709.89	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROUGE VALLEY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SOUTHEAST MACOMB SANITATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WAYNE COUNTY-AREA #3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL SEWER ACCOUNTS	\$14,020,009.39	\$14,020,009.39	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ALLEN PARK	\$1,650.74	\$1,650.74	\$0.00	\$0.00	\$0.00
AUBURN HILLS (C-O)	\$11,722.62	\$11,722.62	\$0.00	\$0.00	\$0.00
AUBURN HILLS (C-O) ADMIN	\$1,974.38	\$1,974.38	\$0.00	\$0.00	\$0.00
AUBURN HILLS (E-F)	\$404.04	\$404.04	\$0.00	\$0.00	\$0.00
BERKLEY	\$3,235.96	\$3,235.96	\$0.00	\$0.00	\$0.00
BEVERLY HILLS	\$1,022.84	\$1,022.84	\$0.00	\$0.00	\$0.00
BINGHAM FARMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BIRMINGHAM (E-F)	\$2,504.32	\$2,504.32	\$0.00	\$0.00	\$0.00
BIRMINGHAM (SEOC)	\$5,824.00	\$5,824.00	\$0.00	\$0.00	\$0.00
BLOOMFIELD HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BLOOMFIELD TOWNSHIP	\$7,658.56	\$7,658.56	\$0.00	\$0.00	\$0.00
CANTON TOWNSHIP	\$87.36	\$87.36	\$0.00	\$0.00	\$0.00
CENTER LINE	\$5,336.24	\$5,336.24	\$0.00	\$0.00	\$0.00
CHARTER TOWNSHIP OF INDEPENI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CHESTERFIELD TOWNSHIP	\$13,373.36	\$13,373.36	\$0.00	\$0.00	\$0.00
CITY OF FARMINGTON (E-F)	\$205.66	\$205.66	\$0.00	\$0.00	\$0.00
CITY OF FERNDALE	\$9,118.20	\$9,118.20	\$0.00	\$0.00	\$0.00
CITY OF ROCHESTER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLARKSTON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLARKSTON (C-O) ADMIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLAWSON	\$6,320.87	\$6,320.87	\$0.00	\$0.00	\$0.00
CLINTON TOWNSHIP	\$27,714.96	\$27,714.96	\$0.00	\$0.00	\$0.00
DEARBORN	\$37,996.14	\$37,996.14	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
DEARBORN HEIGHTS	\$12,956.58	\$12,956.58	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$109.20	\$109.20	\$0.00	\$0.00	\$0.00
EASTPOINTE	\$13,111.55	\$13,111.55	\$0.00	\$0.00	\$0.00
FARMINGTON	\$4,167.80	\$4,167.80	\$0.00	\$0.00	\$0.00
FARMINGTON HILLS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FRASER	\$5,077.80	\$5,077.80	\$0.00	\$0.00	\$0.00
GARDEN CITY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GROSSE POINTE FARMS	\$2,138.50	\$2,138.50	\$0.00	\$0.00	\$0.00
GROSSE POINTE PARK	\$1,210.30	\$1,210.30	\$0.00	\$0.00	\$0.00
GROSSE POINTE SHORES	\$349.44	\$349.44	\$0.00	\$0.00	\$0.00
GROSSE POINTE WOODS	\$3,072.16	\$3,072.16	\$0.00	\$0.00	\$0.00
HAMTRAMCK	\$4,273.36	\$4,273.36	\$0.00	\$0.00	\$0.00
HARPER WOODS	\$1,838.20	\$1,838.20	\$0.00	\$0.00	\$0.00
HARRISON TWP	\$183.82	\$183.82	\$0.00	\$0.00	\$0.00
HAZEL PARK	\$6,928.74	\$6,928.74	\$0.00	\$0.00	\$0.00
HIGHLAND PARK	\$4,062.24	\$4,062.24	\$0.00	\$0.00	\$0.00
HUNTINGTON WOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
INDEPENDENCE (C-O) ADMIN	\$1,342.52	\$1,342.52	\$0.00	\$0.00	\$0.00
INKSTER	\$11,385.92	\$11,385.92	\$0.00	\$0.00	\$0.00
KEEGO HARBOR	\$703.35	\$703.35	\$0.00	\$0.00	\$0.00
LATHRUP	\$1,439.62	\$1,439.62	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
LENOX TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LIVONIA	\$42,012.88	\$42,012.88	\$0.00	\$0.00	\$0.00
MACOMB TWP	\$211.12	\$211.12	\$0.00	\$0.00	\$0.00
MADISON HEIGHTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MELVINDALE	\$3,599.96	\$3,599.96	\$0.00	\$0.00	\$0.00
NEW HAVEN	\$629.72	\$629.72	\$0.00	\$0.00	\$0.00
NORTHVILLE	\$2,387.84	\$2,387.84	\$0.00	\$0.00	\$0.00
NORTHVILLE TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NOVI	\$18,327.40	\$18,327.40	\$0.00	\$0.00	\$0.00
OAK PARK	\$7,189.00	\$7,189.00	\$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)	\$4,495.40	\$4,495.40	\$0.00	\$0.00	\$0.00
ORION TOWNSHIP (C-O) ADMIN	\$525.05	\$525.05	\$0.00	\$0.00	\$0.00
OXFORD TOWNSHIP	\$1,146.60	\$1,146.60	\$0.00	\$0.00	\$0.00
OXFORD VILLAGE	\$1,288.56	\$1,288.56	\$0.00	\$0.00	\$0.00
PLEASANT RIDGE	\$220.22	\$220.22	\$0.00	\$0.00	\$0.00
PLYMOUTH	\$3,993.08	\$3,993.08	\$0.00	\$0.00	\$0.00
PLYMOUTH TOWNSHIP	\$140.14	\$140.14	\$0.00	\$0.00	\$0.00
REDFORD TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROCHESTER HILLS	\$19,628.70	\$19,628.70	\$0.00	\$0.00	\$0.00
ROMULUS	\$800.80	\$800.80	\$0.00	\$0.00	\$0.00
ROSEVILLE	\$15,106.00	\$15,106.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ROYAL OAK	\$14,044.94	\$14,044.94	\$0.00	\$0.00	\$0.00
ROYAL OAK TOWNSHIP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SHELBY TOWNSHIP	\$15,451.80	\$15,451.80	\$0.00	\$0.00	\$0.00
SOUTHFIELD (E-F)	\$29,473.08	\$29,473.08	\$0.00	\$0.00	\$0.00
SOUTHFIELD (SEOC)	\$3,410.68	\$3,410.68	\$0.00	\$0.00	\$0.00
ST. CLAIR SHORES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
STERLING HEIGHTS	\$33,144.02	\$33,144.02	\$0.00	\$0.00	\$0.00
TROY (E-F)	\$393.12	\$393.12	\$0.00	\$0.00	\$0.00
TROY (SEOC)	\$38,860.64	\$38,860.64	\$0.00	\$0.00	\$0.00
UTICA	\$3,123.12	\$3,123.12	\$0.00	\$0.00	\$0.00
VAN BUREN TOWNSHIP	\$4,708.34	\$4,517.24	\$191.10	\$0.00	\$0.00
VILLAGE OF FRANKLIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
VILLAGE OF LAKE ORION	\$822.64	\$822.64	\$0.00	\$0.00	\$0.00
WASHINGTON TOWNSHIP	\$1,756.30	\$1,756.30	\$0.00	\$0.00	\$0.00
WATERFORD TOWNSHIP DPW	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATERFORD TOWNSHIP DPW (ADMI	\$3,270.08	\$3,270.08	\$0.00	\$0.00	\$0.00
WAYNE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (C-O)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP (E-F)	\$6,230.83	\$6,230.83	\$0.00	\$0.00	\$0.00
WEST BLOOMFIELD TWP. (C-O) A	\$241.32	\$241.32	\$0.00	\$0.00	\$0.00
WESTLAND	\$23,829.26	\$23,829.26	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- IWC ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
TOTAL IWC ACCOUNTS	\$510,963.99	\$510,772.89	\$191.10	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
3M COMPANY (MINNESOTA MINING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
A & R PACKING CO., LLC	\$1,698.92	\$1,698.92	\$0.00	\$0.00	\$0.00
AACTRON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ACADEMY PACKING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ACME RUSTPROOF	\$84.34	\$52.62	\$31.72	\$0.00	\$0.00
ADORING PET FUNERAL HOME	\$81.01	\$81.01	\$0.00	\$0.00	\$0.00
ADVANCE ENGINEERING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AEVITAS SPECIALITY SERVICES	\$1,866.65	\$1,866.65	\$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
ALL CHEM CORP, LLC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ALPHA STAMPING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AMERICAN WASTE TECH INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AMERITI MANUFACTURING LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AMERITI MFG. CO.	\$10,010.99	\$10,010.99	\$0.00	\$0.00	\$0.00
APPLIED TECHNOLOGY INDUSTRIE	\$659.87	\$659.87	\$0.00	\$0.00	\$0.00
ATWATER IN THE PARK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AUTOMOTIVE FINISH	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AXLE BREWING COMPANY, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
B & F SEPTIC INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
B. NEKTAR MEADERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BAFFIN BREWING COMPANY	\$112.97	\$112.97	\$0.00	\$0.00	\$0.00
BARON INDUSTRIES	\$1,301.45	\$1,301.45	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
BARTZ BAKERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BASTONE BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BATCH BREWING COMPANY	\$65.59	\$65.59	\$0.00	\$0.00	\$0.00
BAYS MICHIGAN CORPORATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BEIRUT BAKERY, INC.	\$37.00	\$0.00	\$0.00	\$0.00	\$37.00
BETTER MADE SNACK FOOD	\$15,577.55	\$15,577.55	\$0.00	\$0.00	\$0.00
BLACK LOTUS BREWING CO.	\$61.25	\$0.00	\$0.00	\$0.00	\$61.25
BOZEK'S MARKET	\$(2,046.29)	\$0.00	\$0.00	\$0.00	\$(2,046.29)
BREW DETROIT	\$5,474.70	\$5,474.70	\$0.00	\$0.00	\$0.00
BROADWAY MKT CORNED BEEF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BROOKS BREWING, LLC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BROWN IRON BREWHOUSE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CADILLAC STRAITS BREWING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CANTON BREW WORKS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CAPITOL REPRODUCTIONS	\$(0.89)	\$0.00	\$0.00	\$0.00	\$(0.89)
CF BURGER CREAMERY	\$51,179.28	\$51,179.28	\$0.00	\$0.00	\$0.00
CHARTER TOWNSHIP OF CLINTON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CHIEFTAN COATING, LLC.	\$3,122.26	\$3,122.26	\$0.00	\$0.00	\$0.00
CHILANGO'S BAKERY	\$73.05	\$31.93	\$16.56	\$15.37	\$9.19
CINTAS CORP. - MACOMB TWP.	\$25,490.48	\$25,490.48	\$0.00	\$0.00	\$0.00
CINTAS CORPORATION	\$29,145.44	\$15,598.97	\$0.00	\$13,546.47	\$0.00
CINTAS CORPORATION	\$10,064.51	\$3,358.43	\$0.00	\$2,236.07	\$4,470.01

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
CITY LAUNDRY, INC.	\$21.95	\$14.85	\$7.10	\$0.00	\$0.00
CLASSIC CONTAINER CORP.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CLEAN EARTH OF MICHIGAN, LLC	\$4.37	\$4.37	\$0.00	\$0.00	\$0.00
COCA-COLA REFRESHMENTS USA,	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COSTCO WHOLESALE STORE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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.	\$320.63	\$320.63	\$0.00	\$0.00	\$0.00
DANA CONTAINER, INC.	\$1,450.46	\$1,450.46	\$0.00	\$0.00	\$0.00
DARLING INGREDIENTS, INC.	\$2,690.60	\$2,690.60	\$0.00	\$0.00	\$0.00
DAVE'S SAUSAGE FACTORY 2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DEARBORN BREWING	\$13.24	\$13.24	\$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.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT LINEN SERVICE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT METRO WC AIRPORT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT RIVERTOWN BREWERY CC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DETROIT SAUSAGES CO INC	\$32.18	\$32.18	\$0.00	\$0.00	\$0.00
DETRONIC INDUSTRIES, INC.	\$51.57	\$51.57	\$0.00	\$0.00	\$0.00
DIFCO LABORATORIES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
DIVERSIFIED CHEM TECH. INC.	\$152.59	\$152.59	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$5,412.46	\$5,412.46	\$0.00	\$0.00	\$0.00
DOMESTIC UNIFORM RENTAL	\$2,633.35	\$2,633.35	\$0.00	\$0.00	\$0.00
DOWNEY BREWING COMPANY	\$14.49	\$14.49	\$0.00	\$0.00	\$0.00
DUBOIS CHEMICALS, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
E & E MANUFACTURING CO, PLAN	\$234.49	\$147.29	\$72.70	\$14.50	\$0.00
E & E MANUFACTURING CO, PLAN	\$71.17	\$71.17	\$0.00	\$0.00	\$0.00
E.W. GROBBEL'S SONS, INC.	\$3,602.29	\$3,602.29	\$0.00	\$0.00	\$0.00
EASTERN MARKET BREWING COMP	\$13.70	\$6.85	\$0.00	\$0.00	\$6.85
ENVIROSOLIDS, L.L.C.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$617.53	\$617.53	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$1,361.29	\$1,361.29	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$24.14	\$24.14	\$0.00	\$0.00	\$0.00
EQ DETROIT, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ETON ST BREWERY- GRIFFIN CL	\$1,351.44	\$1,351.44	\$0.00	\$0.00	\$0.00
EXTRUDE HONE CORPORATION	\$110.77	\$110.77	\$0.00	\$0.00	\$0.00
EXTRUDEHODE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FARMINGTON BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FAYGO BEVERAGES, INC.	\$15,964.28	\$15,964.28	\$0.00	\$0.00	\$0.00
FITZGERALD FINISHING LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FIVES CINETIC CORP.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FORD MOTOR CO- STERLING PLAN	\$2,481.01	\$2,481.01	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
FORD NEW MODEL PROGRAM	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FOUNDERS BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$644.88	\$644.88	\$0.00	\$0.00	\$0.00
FRESH-PAK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GENERAL LINEN SUPPLY CO.	\$8,241.56	\$8,241.56	\$0.00	\$0.00	\$0.00
GENERAL MOTORS, LLC ROMULUS	\$1,658.58	\$1,658.58	\$0.00	\$0.00	\$0.00
GLOBAL TITANIUM, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANITE CITY FOOD & BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GREAT BARABOO BREWING CO.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HACIENDA MEXICAN FOODS	\$117.34	\$55.47	\$27.74	\$34.13	\$0.00
HACIENDA MEXICAN FOODS	\$889.21	\$889.21	\$0.00	\$0.00	\$0.00
HENKEL CORPORATION	\$68.71	\$68.71	\$0.00	\$0.00	\$0.00
HENRY FORD MACOMB HOSPITAL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
HOME STYLE FOOD INC.	\$4,271.85	\$4,130.97	\$140.88	\$0.00	\$0.00
HEMIGROWN BREWING COMPANY	\$42.81	\$42.81	\$0.00	\$0.00	\$0.00
HOODS CLEANERS	\$211.33	\$0.00	\$0.00	\$0.00	\$211.33
HUNTINGTON CLEANERS	\$238.97	\$238.97	\$0.00	\$0.00	\$0.00
IDP, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
INDUSTRIAL METAL COATING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
INTRASTATE DISTRIBUTORS	\$6,116.00	\$6,116.00	\$0.00	\$0.00	\$0.00
ISLAMIC SLAUGHTER HOUSE	\$347.03	\$347.03	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
ITALIAN BUTTER BREAD STICKS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
JAMEX BREWING CO.	\$64.39	\$17.81	\$0.00	\$0.00	\$46.58
JELD-WEN, INC.	\$737.23	\$737.23	\$0.00	\$0.00	\$0.00
KAR NUT PRODUCTS	\$2,940.42	\$2,940.42	\$0.00	\$0.00	\$0.00
KOWALSKI SAUSAGES, CO.	\$545.45	\$545.45	\$0.00	\$0.00	\$0.00
KUHNHENN BREWING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$708.25	\$708.25	\$0.00	\$0.00	\$0.00
LA MICHOACANA FLOUR TORTILLA	\$44.80	\$44.80	\$0.00	\$0.00	\$0.00
LEAR CORPORATION DBA EAGLE C	\$305.82	\$305.82	\$0.00	\$0.00	\$0.00
LIBERTY STREET PROD. BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LILY'S SEAFOOD GRILL & BREWE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LIQUID ENVIRONMENTAL OF ILLI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LIQUID ENVIRONMENTAL SOLUTIC	\$1,807.02	\$1,807.02	\$0.00	\$0.00	\$0.00
MACDERMID, INC.	\$86.38	\$86.38	\$0.00	\$0.00	\$0.00
MCCLURE'S PICKLES	\$44.05	\$44.05	\$0.00	\$0.00	\$0.00
MCGEAN CHEMICALS	\$194.46	\$194.46	\$0.00	\$0.00	\$0.00
MCNICHOLS POLISHING & ANODIZ	\$ (31.54)	\$0.00	\$0.00	\$0.00	\$ (31.54)
MELLO MEATS INC, - KUBISCH S	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
METROPOLITAN BAKERY	\$540.46	\$540.46	\$0.00	\$0.00	\$0.00
MIBA HYDRAMECHANICA CORP.	\$284.07	\$284.07	\$0.00	\$0.00	\$0.00
MICHIGAN DAIRY	\$88,143.47	\$88,143.47	\$0.00	\$0.00	\$0.00
MICHIGAN PROD. MACHINING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
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	\$581.09	\$581.09	\$0.00	\$0.00	\$0.00
MILTON CHILI CO.	\$38.41	\$38.41	\$0.00	\$0.00	\$0.00
MINNIE MARIE BAKERS, INC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MISTER UNIFORM & MAT RENTALS	\$ (0.91)	\$0.00	\$0.00	\$0.00	\$ (0.91)
MOTOR CITY BREWING WORKS	\$54.35	\$54.35	\$0.00	\$0.00	\$0.00
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NATIONAL CHILI COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ND INDUSTRIES, INC.	\$316.72	\$316.72	\$0.00	\$0.00	\$0.00
NEAPCO DRIVELINES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTH CENTER BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NORTHERN LAKES SEAFOOD & MEAT	\$ (232.74)	\$0.00	\$0.00	\$0.00	\$ (232.74)
OAKWOOD BAKERY	\$72.63	\$72.63	\$0.00	\$0.00	\$0.00
OLIVER HATCH CONSTRUCTION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PACKAGING CORPORATION OF AME	\$1,956.65	\$1,956.65	\$0.00	\$0.00	\$0.00
PARKEDALE PHARMACEUTICALS/PE	\$197.47	\$197.47	\$0.00	\$0.00	\$0.00
PARKER'S HILLTOP BREWER & SE	\$66.31	\$66.31	\$0.00	\$0.00	\$0.00
PELLERITO FOODS INC.	\$ (2.11)	\$0.00	\$0.00	\$0.00	\$ (2.11)
PEPSI COLA, INC.	\$5,926.13	\$5,926.13	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PERDUE PREMIUM MEAT COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

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
PERSONAL UNIFORM SERVICE, IN	\$ (18.19)	\$0.00	\$0.00	\$0.00	\$ (18.19)
PETRO ENVIRON TECH, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PINE TREE ACRES, INC.	\$ (15,380.16)	\$0.00	\$ (15,380.16)	\$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	\$1,191.70	\$1,191.70	\$0.00	\$0.00	\$0.00
PREMIER PLATING- STERLING HE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PRODUCTION SPRING, LLC.	\$420.72	\$420.72	\$0.00	\$0.00	\$0.00
QUAKER HOUGHTON - PLANT #2	\$47.27	\$47.27	\$0.00	\$0.00	\$0.00
QUAKER HOUGHTON - PLANT #2	\$ (105.79)	\$0.00	\$0.00	\$0.00	\$ (105.79)
QUAKER HOUGHTON - PLANT #2	\$1,484.94	\$1,484.94	\$0.00	\$0.00	\$0.00
QUALA SERVICES, LLC	\$29.89	\$29.89	\$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	\$1.07	\$1.07	\$0.00	\$0.00	\$0.00
RIVER ROUGE BREWING COMPANY	\$440.60	\$0.00	\$0.00	\$0.00	\$440.60
ROAK BREWING CO. LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS BEER COMPANY	\$62.73	\$62.73	\$0.00	\$0.00	\$0.00
ROCHESTER MILLS PROD BREWERY	\$4,178.79	\$0.00	\$0.00	\$0.00	\$4,178.79
ROYAL OAK BREWERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RTT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SEAFARE FOODS, INC.	\$138.66	\$138.66	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
SHERWOOD BREWING COMPANY	\$38.36	\$38.36	\$0.00	\$0.00	\$0.00
SMITH-WATKINS, LLC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SPRAYTEK INC.- MADISON HEIGHTS	\$578.31	\$578.31	\$0.00	\$0.00	\$0.00
SPRAYTEK, INC.	\$14.52	\$0.00	\$0.00	\$0.00	\$14.52
SUPERNATURAL SPIRITS & BREWERY	\$44.53	\$44.53	\$0.00	\$0.00	\$0.00
SWEETHEART BAKERY, INC.	\$1,226.13	\$213.56	\$75.81	\$59.79	\$876.97
THE CROWN GROUP-LIVONIA PLANT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
THE DEBURRING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
THERMO FISHER SCIENTIFIC	\$23,344.50	\$23,344.50	\$0.00	\$0.00	\$0.00
TOM LAUNDRY CLEANERS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRAFFIC JAM & SNUG	\$ (31.16)	\$0.00	\$0.00	\$0.00	\$ (31.16)
TURRI'S ITALIAN FOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TURRI'S ITALIAN FOODS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U-METCO, INC.	\$128.13	\$128.13	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$19,615.54	\$19,615.54	\$0.00	\$0.00	\$0.00
UNCLE RAYS SNACKS, LLC	\$1,818.21	\$1,818.21	\$0.00	\$0.00	\$0.00
UNIQUE LINEN SERVICES, INC.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNITED FISH DISTRIBUTORS	\$ (1.51)	\$0.00	\$0.00	\$ (1.51)	\$0.00
UNITED LINEN SERVICE, LLC.	\$481.30	\$322.43	\$158.87	\$0.00	\$0.00
UNITED MEAT & DELI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
URBANREST BREWING COMPANY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
US ECOLOGY MICHIGAN	\$290.54	\$290.54	\$0.00	\$0.00	\$0.00
US ECOLOGY ROMULUS, INC.	\$3,343.41	\$3,343.41	\$0.00	\$0.00	\$0.00

GLWA Aged Accounts Receivable- POLLUTANT SURCHARGE ACCOUNTS

Balances as of 05/31/24

Customer Name	Total Due	Current	46 - 74 Days	75 - 104 Days	>105 Days
USHER OIL SERVICES	\$ (735.26)	\$0.00	\$0.00	\$0.00	\$ (735.26)
VALICOR ENVIROMENTAL SERVICE	\$101.76	\$101.76	\$0.00	\$0.00	\$0.00
VALICOR ENVIRONMENTAL SERVIC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
VAUGHAN INDUSTRIES, INC.	\$32.67	\$32.67	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS	\$6,463.65	\$6,463.65	\$0.00	\$0.00	\$0.00
VERNDALE PRODUCTS, INC.	\$643.52	\$643.52	\$0.00	\$0.00	\$0.00
WIGLEY'S MEAT PROCESS	\$204.85	\$204.85	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$288.79	\$288.79	\$0.00	\$0.00	\$0.00
WINTER SAUSAGE MFG. CO.	\$165.01	\$165.01	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO	\$1,625.55	\$1,625.55	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO.	\$2,076.21	\$2,076.21	\$0.00	\$0.00	\$0.00
WOLVERINE PACKING CO., PLANT	\$3,724.97	\$3,724.97	\$0.00	\$0.00	\$0.00
WOODWARD AVENUE BREWERS	\$144.24	\$0.00	\$0.00	\$0.00	\$144.24
X-R-I TESTING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL POLLUTANT SURCHARGE ACCOUNTS	\$379,046.13	\$370,697.64	\$ (14,848.78)	\$15,904.82	\$7,292.45



Financial Services Audit Committee Communication

Date: July 26, 2024

To: Great Lakes Water Authority Audit Committee

From: Nick Simms Grants Management Professional

Re: Grants, Gifts, and Other Resources Report Through June 30, 2024

Highlights: Key activities to note in this month's report through June 30, 2024, include the following.

- ✓ **Federal Emergency Management Agency Flood Event** – The Great Lakes Water Authority submitted three grant reimbursements for three FEMA Flood event projects. \$319,911 for Fairview Pump station (Ref #2023-012), \$80,128 for Puritan-Fenkell CSO (Ref #2023-009), and \$180,000 for the Water Resource Recovery Facility (Ref #2023-010).
- ✓ **Department of Energy- Hydrothermal Liquification Grant**– The Great Lakes Water Authority submitted its first reimbursement request for the Department of Energy grant (Ref #2023-005) in the amount of \$101,617 for eligible expenses.
- ✓ **Public Act 53 State of Michigan American Rescue Plan Act (ARPA)** – The Great Lakes Water Authority submitted a reimbursement request for funds provided by the State of Michigan in the form of an ARPA appropriation for \$5M to support qualifying water projects. GLWA received these funds during the month (Ref #2024-006).
- ✓ Items highlighted in yellow in the attached tables reflect changes from the prior report.

Background: The Great Lakes Water Authority (GLWA) delegated authority to the Chief Executive Officer to oversee and report on activities identified in the GLWA Articles of Incorporation related to solicitation and receipt of grants, gifts, and other resources ⁽¹⁾ as stated in Article 4 – Powers, Section B (4):

(4) Solicit, receive, and accept gifts, grants, labor, loans, contributions of money, property, or other things of value, and other aid or payment from any federal, state, local, or intergovernmental government agency or from any other person or entity, public or private, upon terms and conditions acceptable to the Authority, or participate in any other way in a federal, state, local, or intergovernmental government program⁽²⁾.

(1) Other resources as referenced above refer to labor, contributions of money, property, or other things of value from any other person or entity, public or private with the exception for loans, subject to provisions of the GLWA Board Debt Management Policy, and Intergovernmental agreements and other activities that are addressed in the GLWA Board Procurement Policy.

(2) Participation in any other way in a federal, state local, or intergovernmental government program includes participation in research projects at universities.

GLWA's Grants, Gifts, and Other Resources Delegation Policy is online at [Grants, Gifts, and Other Resources Delegation Policy - GLWA \(glwater.org\)](https://www.glwater.org/Grants-Gifts-and-Other-Resources-Delegation-Policy).

Analysis: The tables in each section of this report present GLWA grant activity by each phase. As a grant moves through each phase, it is shown in the corresponding table.

The **pre-award** phase includes the process of applying for a grant and the period prior to the signing of the grant agreement between the awarding agency and GLWA.

The **award phase** reflects the period after the agreement is executed with the awarding agency. In this phase, GLWA becomes responsible for meeting the administrative, financial, and programmatic reporting requirements of the award.

The **post award** phase is the final stage of grant activity and includes final reporting requirements, auditing, and closeout. There are final financial and programmatic reports that must be submitted to formally close out the grant as defined in each grant agreement.

The **programs not awarded or no longer pursued** is a table that reflects programs that GLWA were not awarded, or alternatively, programs that will not continue to be pursued by GLWA.

Items of note related to each table include the following.

Table 1 – Pre-Award Programs reflects open submissions for FY 2023 and FY 2024 to date. The summarized activity provided identifies two earmark EPA Community Grants, one FEMA Flood projects, four application submissions, and the I-94 Modernization Project grant which is in the National Environmental Policy Act (NEPA) process to identify any environmental impacts related to the grant activities.

Table 2 - Awarded Programs reflects all open, awarded grants from FY 2021 through FY 2024. Current month summarized activity below includes one State Revolving Fund American Rescue Plan Act Funding program in which there has been one disbursement request submitted to date three awards related to local nonprofit apprenticeship grants, five reimbursement requests submitted for five associated FEMA Flood projects, and the Department of Energy grant in which one reimbursement request was submitted to the grantor.

Table 3 – Post Award Programs the only award that has been closed this reporting period was the State of Michigan Public Act 53 ARPA grant supporting water infrastructure projects. Funds related to these programs have been received in full and the programs are in the process of being closed out, including any closeout reporting requirements.

Table 4 – Programs Not Awarded or No Longer Pursued is a table that reflects programs that GLWA were not awarded, or alternatively, programs that will not continue to be pursued by GLWA.



Financial Services Audit Committee Communication

Table 1 – Pre-Award Programs reflects open submissions for FY 2023 and FY 2024 to date. The Programs listed under this section do not have a grant agreement between the awarding agency and GLWA at this time, but the grant has been applied to or earmarked. The summarized activity provided identifies two earmark EPA Community Grants, one FEMA Flood projects, four application submissions, and the I-94 Modernization Project grant which is in the National Environmental Policy Act (NEPA) process to identify any environmental impacts related to the grant activities.

Table 1 – Pre-Award Programs

Reference Number	Request Date	Program Description	Type of Activity	Amount to be Provided	Compliance and/or Performance Requirements	Status
2023-002	7/1/2022	FY2022 Environmental Protection Agency Community Grant – Detroit River Interceptor	Federal Grant (Reimbursement Basis)	\$2,000,000 (20% Cost Share)	Federal Audit Requirements	Earmark
2023-003	7/1/2023	FY2023 Environmental Protection Agency Community Grant – PFAS Compounds remediations project	Federal Grant (Reimbursement Basis)	\$3,452,972 (20% Cost Share)	Federal Audit Requirements	Earmark
2023-015		Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 670521 CAT-Z – Allocation of Management Costs	Federal pass-through State (Reimbursement Basis)	\$50,000	Federal Audit Requirements	Grant Amount is Estimated
2024-004	11/15/2023	Climate Pollution Reduction Grants Program	Application Submitted by GLWA	\$500,000,000	Federal Audit Requirements	Grant Amount is Estimated

Reference Number	Request Date	Program Description	Type of Activity	Amount to be Provided	Compliance and/or Performance Requirements	Status
2024-005	12/15/2023	Fiscal Year 2023 Building Resilient Infrastructure and Communities (BRIC) Project Scoping	Michigan State Police Application Submitted by GLWA	\$856,000	Federal Audit Requirements	Grant Amount is Estimated
2023-023	8/30/2023	I-94 Modernization Project	MDOT Federal pass-through State (Reimbursement Basis)	\$34,400,000	Federal Audit Requirements	NEPA Review with the State of Michigan
2024-007		Safeguarding Tomorrow Revolving Fund Program	Application Submitted by GLWA	\$3,000,000	Federal Audit Requirements	Grant Amount is Estimated
2024-003	10/30/2023	Workforce Development Opportunity Grant	Application Submitted by GLWA	\$1,800,000	Federal Audit Requirements	Grant Amount is Estimated dependent on number of applicants EPA receives

Table 2 Awarded Programs reflects all awarded grants from FY 2021 through FY 2024. These projects have been awarded by the agency listed and an agreement is in place. Each grant is in process including compliance checks for all required administrative, financial, and programmatic requirements. Current month summarized activity below includes one State Revolving Fund American Rescue Plan Act Funding program in which there has been one disbursement request submitted to date three awards related to local nonprofit apprenticeship grants, five reimbursement requests submitted for five associated FEMA Flood projects, and the Department of Energy grant in which one reimbursement request was submitted to the grantor.

Table 2 – Awarded Programs

Reference Number	Request Date	Program Description	Type of Activity	Grant Amount	Compliance and/or Performance Requirements	Status
2022-004	2/23/2022	Water Technician Registered Apprenticeship Program- \$2,225 per apprentice, 25 apprentices	Macomb Community College Tuition (Nonprofit)	\$55,625	None	Ongoing No activity as of date for FY 2024
2021-012	9/21/2021	Michigan Industrial Cluster Approach (MICA 3.0) Apprenticeship Program - \$1,000 per apprentice, 45 apprentices	Focus Hope (Nonprofit)	\$45,000	None	Received \$24,000 in FY 2024
2024-003	7/7/2023	Detroit Employment Solutions Corporation (DESC) Apprentices \$5,000 per apprentice; 9 apprentices	Detroit At Work (Nonprofit)	\$45,000	None	\$25,000 received in the month of August
2023-005	6/30/2024	Department of Energy – Hydrothermal Liquefaction Project	Federal Grant (Reimbursement Basis)	\$1,000,000	Federal Audit Requirements	Reimbursement request of \$101,617.43 submitted in June 2024
2023-013	2/1/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood,	Federal pass-through State (Reimbursement Basis)	\$1,332,235	Federal Audit Requirements	Reimbursement Request of \$275,167.40

Reference Number	Request Date	Program Description	Type of Activity	Grant Amount	Compliance and/or Performance Requirements	Status
		DR-4607 Project 714729 Outfalls				submitted in February 2024
2023-022	2/1/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 664811 Conner Creek Sewer System	Federal pass-through State (Reimbursement Basis)	\$8,888,277	Federal Audit Requirements	Disbursement Request of \$1,805,600 submitted in February 2024
2023-019	3/3/2021	American Rescue Plan – State Revolving Fund (ARPA) Funded Project 7532-02 96 Inch Water Transmission Main Relocation Phase 2 EGLE	Federal pass-through State (Reimbursement Basis)	\$16,057,500	Federal Audit Requirements	Reimbursement Request of \$3,651,730 received in May 2024
2023-012	5/22/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 660110 – Obligated \$319,911 Fairview PS	Federal pass-through State (Reimbursement Basis)	\$319,911	Federal Audit Requirements	Reimbursement Request of \$319,911 submitted in May 2024
2023-009	5/22/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 660133 – Obligated \$80,129 Puritan Fenkell CSO	Federal pass-through State (Reimbursement Basis)	\$80,129	Federal Audit Requirements	Reimbursement Request of \$80,129 submitted in May 2024
2023-010	5/22/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 660118 – Obligated \$180,000 WRRF	Federal pass-through State (Reimbursement Basis)	\$180,000	Federal Audit Requirements	Reimbursement Request of \$180,000 submitted in May 2024

Table 3 – Post Award Programs the only award that has been closed this reporting period was the State of Michigan Public Act 53 ARPA grant supporting water infrastructure projects. Funds related to these programs have been received in full and the programs are in the process of being closed out, including any closeout reporting requirements.

Table 3 – Post Award Programs

Reference Number	Request Date	Program Description	Type of Activity	Grant Amount	Compliance and/or Performance Requirements	Status
2024-006	2/1/2024	American Rescue Plan PA-53 Clean Water Infrastructure Improvements	Federal pass-through State (Reimbursement Basis)	\$5,000,000	Federal Audit Requirements	\$5M Received in June 2024

Table 4 – Programs Not Awarded or No Longer Pursued is a table that reflects programs that GLWA were not awarded, or alternatively, programs that GLWA will not continue to pursue. While GLWA has utilized and received FEMA support for most projects related to the June 2021 flood event, the DRI and East Side Sewer projects listed below cannot be completed within the timeframe required to qualify for funding. The System Wide Emergency Protective Measures project costs were covered by insurance proceeds.

Reference Number	Request Date	Program Description	Type of Activity	Grant Amount	Compliance and/or Performance Requirements	Status
2023-018		Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 673958 Detroit River Interceptor	Federal pass-through State (Reimbursement Basis)	\$529,731	Federal Audit Requirements	Withdrawn
2023-014		Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 660745 East Side Sewers	Federal pass-through State (Reimbursement Basis)	\$3,566,407	Federal Audit Requirements	Withdrawn
2023-011	5/22/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 668672– Obligated \$43,031 System Wide Emergency Protective Measures	Federal pass-through State (Reimbursement Basis)	\$43,031	Federal Audit Requirements	Withdrawn – Insurance will cover associated costs of the project

Proposed Action: Receive and file this report.



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

From: Nick Simms Grants Management Professional

Re: Grants, Gifts, and Other Resources Report Through July 31, 2024

Highlights: Key activities to note in this month's report through July 31, 2024, includes the following.

- ✓ **Water System Advisory Council Project (WSAC)** – The Great Lakes Water Authority has been awarded a mini grant (Ref #2024-013) with the Michigan Department of Environment, Great Lakes, and Energy for a project that is to educate the community on the risk of lead exposure in drinking water for the amount of \$25,000.
- ✓ **Southeast Michigan Flood Study** – The Great Lakes Water Authority entered into an agreement (Ref #2024-011) with the Department of the Army to conduct a flood study that will help outline better framework and assess possible vulnerabilities in roads, bridges and pump stations during a flooding event.
- ✓ Items highlighted in yellow in the attached tables reflect changes from the prior report.

Background: The Great Lakes Water Authority (GLWA) delegated authority to the Chief Executive Officer to oversee and report on activities identified in the GLWA Articles of Incorporation related to solicitation and receipt of grants, gifts, and other resources ⁽¹⁾ as stated in Article 4 – Powers, Section B (4):

(4) Solicit, receive, and accept gifts, grants, labor, loans, contributions of money, property, or other things of value, and other aid or payment from any federal, state, local, or intergovernmental government agency or from any other person or entity, public or private, upon terms and conditions acceptable to the Authority, or participate in any other way in a federal, state, local, or intergovernmental government program⁽²⁾.

(1) Other resources as referenced above refer to labor, contributions of money, property, or other things of value from any other person or entity, public or private with the exception for loans, subject to provisions of the GLWA Board Debt Management Policy, and Intergovernmental agreements and other activities that are addressed in the GLWA Board Procurement Policy.

(2) Participation in any other way in a federal, state local, or intergovernmental government program includes participation in research projects at universities.

GLWA's Grants, Gifts, and Other Resources Delegation Policy is online at [Grants, Gifts, and Other Resources Delegation Policy - GLWA \(glwater.org\)](https://www.glwater.org/Grants-Gifts-and-Other-Resources-Delegation-Policy).

Analysis: The tables in each section of this report present GLWA grant activity by each phase. As a grant moves through each phase, it is shown in the corresponding table.

The **pre-award** phase includes the process of applying for a grant and the period prior to the signing of the grant agreement between the awarding agency and GLWA.

The **award phase** reflects the period after the agreement is executed with the awarding agency. In this phase, GLWA becomes responsible for meeting the administrative, financial, and programmatic reporting requirements of the award.

The **post award** phase is the final stage of grant activity and includes final reporting requirements, auditing, and closeout. There are final financial and programmatic reports that must be submitted to formally close out the grant as defined in each grant agreement.

The **programs not awarded, or programs that GLWA will not continue to pursue** is a table that reflects programs that GLWA were not awarded, or alternatively, programs that will not continue to be pursued by GLWA.

Items of note related to each table include the following.

Table 1 – Pre-Award Programs reflects open submissions for FY 2023 and FY 2024 to date. The summarized activity provided identifies four earmark EPA Community Grants, one FEMA Flood projects, two application submissions, and the I-94 Modernization Project grant which is in the National Environmental Policy Act (NEPA) process to identify any environmental impacts related to the grant activities.

Table 2 - Awarded Programs reflects all open, awarded grants from FY 2021 through FY 2025. Current month summarized activity below includes three award receipts related to local nonprofit apprenticeship grants, five reimbursement requests submitted for five associated FEMA Flood projects, one reimbursement received from a SRF ARPA funded project (7532-02) , the Department of Energy grant in which one reimbursement request was submitted to the grantor, one Flood study grant in which we are required to track costs GLWA has incurred and a mini state funded grant through EGLE.

Table 3 – Post Award Programs there has been no post award activity for GLWA Funds related to these programs have been received in full and the programs

are in the process of being closed out, including any closeout reporting requirements.

Table 4 –Programs not awarded, or Programs that GLWA will not continue to pursue is a table that reflects programs that GLWA were not awarded, or alternatively, programs that will not continue to be pursued by GLWA.



Financial Services Audit Committee Communication

Table 1 – Pre-Award Programs reflects open submissions FY 2023 and FY 2024 to date. The Programs listed under this section do not have a grant agreement between the awarding agency and GLWA at this time, but the grant has been applied to or earmarked. The summarized activity provided identifies four earmark EPA Community Grants, one FEMA Flood projects, two application submissions and the I-94 Modernization Project grant which is in the National Environmental Policy Act (NEPA) process to identify any environmental impacts related to the grant activities.

Table 1 – Pre-Award Programs

Reference Number	Request Date	Program Description	Type of Activity	Amount to be Provided	Compliance and/or Performance Requirements	Status
2023-002	7/1/2022	FY2022 Environmental Protection Agency Community Grant – Detroit River Interceptor	Federal Grant (Reimbursement Basis)	\$2,000,000 (20% Cost Share)	Federal Audit Requirements	Earmark
2023-003	7/1/2023	FY2023 Environmental Protection Agency Community Grant – PFAS Compounds remediations project	Federal Grant (Reimbursement Basis)	\$3,452,972 (20% Cost Share)	Federal Audit Requirements	Earmark
2024-009		FY2024 Environmental Protection Agency Community Grant – Oakwood District Intercommunity Relief Sewer Modifications	Federal Grant (Reimbursement Basis)	\$959,752 (20% Cost Share)	Federal Audit Requirements	Earmark
2024-010		FY2024 Environmental Protection Agency Community Grant – Conveyance System Infrastructure Improvements	Federal Grant (Reimbursement Basis)	\$959,752 (20% Cost Share)	Federal Audit Requirements	Earmark

Reference Number	Request Date	Program Description	Type of Activity	Amount to be Provided	Compliance and/or Performance Requirements	Status
2023-015		Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 670521 CAT-Z – Allocation of Management Costs	Federal pass-through State (Reimbursement Basis)	\$50,000	Federal Audit Requirements	Grant Amount is Estimated
2024-005	12/15/2023	Fiscal Year 2023 Building Resilient Infrastructure and Communities (BRIC) Project Scoping	Michigan State Police Application Submitted by GLWA	\$856,000	Federal Audit Requirements	Grant Amount is Estimated
2023-023	8/30/2023	I-94 Modernization Project	MDOT Federal pass-through State (Reimbursement Basis)	\$34,400,000	Federal Audit Requirements	NEPA Review with the State of Michigan
2024-007		Safeguarding Tomorrow Revolving Fund Program	Application Submitted by GLWA	\$3,000,000	Federal Audit Requirements	Grant Amount is Estimated

Table 2 Awarded Programs reflects all open, awarded grants from FY 2021 through FY 2025. Current month summarized activity below includes three award receipts related to local nonprofit apprenticeship grants, five reimbursement requests submitted for five associated FEMA Flood projects, one reimbursement received from a SRF ARPA funded project (7532-02), the Department of Energy grant in which one reimbursement request was submitted to the grantor, one Flood study grant in which we are required to track costs GLWA has incurred and a mini state funded grant through EGLE.

Table 2 – Awarded Programs

Reference Number	Request Date	Program Description	Type of Activity	Grant Amount	Compliance and/or Performance Requirements	Status
2022-004	2/23/2022	Water Technician Registered Apprenticeship Program- \$2,225 per apprentice, 25 apprentices	Macomb Community College Tuition (Nonprofit)	\$55,625	None	Ongoing No activity as of date for FY 2024
2021-012	9/21/2021	Michigan Industrial Cluster Approach (MICA 3.0) Apprenticeship Program - \$1,000 per apprentice, 45 apprentices	Focus Hope (Nonprofit)	\$45,000	None	Received \$24,000 in FY 2024
2024-003	7/7/2023	Detroit Employment Solutions Corporation (DESC) Apprentices \$5,000 per apprentice; 9 apprentices	Detroit At Work (Nonprofit)	\$45,000	None	\$25,000 received in the month of August
2023-005	6/30/2024	Department of Energy – Hydrothermal Liquefaction Project	Federal Grant (Reimbursement Basis)	\$1,000,000	Federal Audit Requirements	Reimbursement request of \$101,617.43
2023-013	2/1/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 714729 Outfalls	Federal pass-through State (Reimbursement Basis)	\$1,332,235	Federal Audit Requirements	Reimbursement Request of \$275,167.40 submitted in February 2024
2023-022	2/1/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 664811 Conner Creek Sewer System	Federal pass-through State (Reimbursement Basis)	\$8,888,277	Federal Audit Requirements	Disbursement Request of \$1,805,600 submitted in February 2024
2023-019	3/3/2021	American Rescue Plan – State Revolving Fund (ARPA) Funded Project 7532-02 96 Inch Water Transmission Main Relocation Phase 2 EGLE	Federal pass-through State (Reimbursement Basis)	\$16,057,500	Federal Audit Requirements	Reimbursement Request of \$3,651,730 received in May 2024
2023-012	5/22/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood,	Federal pass-through State (Reimbursement Basis)	\$319,911	Federal Audit Requirements	Reimbursement Request of \$319,911

Reference Number	Request Date	Program Description	Type of Activity	Grant Amount	Compliance and/or Performance Requirements	Status
		DR-4607 Project 660110 – Obligated \$319,911 Fairview PS				submitted in May 2024
2023-009	5/22/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 660133 – Obligated \$80,129 Puritan Fenkell CSO	Federal pass-through State (Reimbursement Basis)	\$80,129	Federal Audit Requirements	Reimbursement Request of \$80,129 submitted in May 2024
2023-010	5/22/2024	Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Project 660118 – Obligated \$180,000 WRRF	Federal pass-through State (Reimbursement Basis)	\$180,000	Federal Audit Requirements	Reimbursement Request of \$180,000 submitted in May 2024
2024-011	7/2/2024	Southeast Michigan Flood Study	Federal (Cost Tracking)	\$1,500,000	Federal Audit Requirements	Agreement Signed
2024-013	7/1/2024	Water System Advisory Council Grant	Federal pass through - State (Reimbursement Basis)	\$25,000	Federal Audit Requirements	Ongoing no activity to date in FY 2024

Table 3 – Post Award Programs there has been no post award activity for GLWA Funds related to these programs have been received in full and the programs are in the process of being closed out, including any closeout reporting requirements.

Table 4 – Programs not awarded, or Programs that GLWA will not continue to pursue is a table that reflects programs that GLWA were not awarded, or alternatively, programs that will not continue to be pursued by GLWA.

Table 4 – Programs not awarded

Reference Number	Request Date	Program Description	Type of Activity	Grant Amount	Compliance and/or Performance Requirements	Status
2024-004	7/1/2024	EPA Climate Pollution Reduction Grant (CPRG)	Federal pass-through State (Reimbursement Basis)	\$500,000,000	Federal Audit Requirements	Not Selected

Proposed Action: Receive and file this report.



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

From: Gerri Williams, Treasury Manager

Re: Quarterly Investment Report (Unaudited)

Background: As stated in section 14 of the Great Lakes Water Authority (GLWA) Investment Policy, quarterly reporting shall be presented to provide a clear picture of the status of the current GLWA investment portfolio. The attached report, prepared and presented by PFM Asset Management LLC, summarizes portfolio information through June 30, 2024 (unaudited).

Analysis: The Quarterly Investment Report complies with the requirements of Public Act 20 of 1948, as amended and the GLWA Investment Policy. GLWA is investing its funds in a diversified portfolio which includes bank deposits, money market funds, a local government investment pool (LGIP), U.S. Treasuries, Federal Agencies, and commercial paper. All securities in the portfolio comply with the GLWA investment policy. Key metrics are provided below with additional commentary in the attached report.

- Yield at Cost:
 - As of June 30, 2024: 5.06%
 - As of March 31, 2024: 5.14%

- Yield at Market:
 - As of June 30, 2024: 5.23%
 - As of March 31, 2024: 5.27%

- Portfolio Allocation in Cash/Money Market/LGIP Securities:
 - As of June 30, 2024: 79%
 - As of March 31, 2024: 65%

Investment income in each of the funds is identified as restricted or unrestricted as defined in the Master Bond Ordinance (MBO). Unrestricted investment income can be used to fund operations and is included in the revenue requirement calculations. Restricted investment income is held within the specific fund and can only be used for the fund's purpose as stipulated in the MBO.

The Treasury group continues to work with PFM Asset Management LLC to identify strategies to maximize investment returns while meeting the GLWA standards for safety and liquidity.

Proposed Action: Receive and file this report.

Great Lakes Water Authority

Investment Performance Report – June 2024



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Executive Summary

PORTFOLIO RECAP

- **Safety** – The aggregate portfolio is diversified amongst cash, bank deposits, U.S. Treasuries, Federal Agencies, commercial paper, SEC-registered money market funds, and a local government investment pool. The total credit profile of the portfolio is strong with over 98% of the assets invested in bank deposits or securities that are rated within the two highest short and long-term rating classifications as established by S&P.
- **Liquidity** – Great Lakes Water Authority (“GLWA”) has continued to monitor its portfolio with the goal of limiting the allocation to cash and bank deposit accounts and maximizing the use of short-term investments to meet cash requirements. As of June 30, 2024, approximately 79% of the funds were held in cash and money market accounts maturing overnight. The percentage is somewhat higher due to July 1st debt obligations.
- **Return** – The overall yield at market decreased to 5.23% as of June 30, 2024, versus 5.27% as of March 31, 2024. The lower yield is reflective of the lower rates for the commercial paper investments contained in the Authority’s portfolio. GLWA earned over \$59.5 million (unaudited) in investment income for the entirety of fiscal year 2024 on a book value basis. Investment income includes earnings on all fund types, including restricted and unrestricted funds combined as well as construction and bond proceeds. It should be noted that the budgeted investment income for GLWA for FY 2024 was projected to be at \$58.8 million for all fund types.

AVAILABLE FUNDS (Unaudited)

Type	Book Value	Market Value	Yield @ Cost (as of 6/30/24)	Yield @ Market (as of 6/30/24)
Deposit Accounts	\$34,298,376	\$34,298,376	2.14%	2.14%
Trust Money Market Fund	\$564,463,240	\$564,463,240	5.18%	5.18%
Money Market Fund	\$10,612,851	\$10,612,851	5.19%	5.19%
Local Government Investment Pool	\$426,572,151	\$426,572,151	5.37%	5.37%
Managed Funds	\$284,809,817	\$283,147,069	4.70%	7.68%
<i>JUNE 2024 TOTALS:</i>	<i><u>\$1,320,756,435</u></i>	<i><u>\$1,319,093,686</u></i>	<i><u>5.06%</u></i>	<i><u>5.23%</u></i>
<i>PREVIOUS QUARTER TOTALS:</i>	<i><u>\$1,352,258,181</u></i>	<i><u>\$1,350,214,544</u></i>	<i><u>5.14%</u></i>	<i><u>5.27%</u></i>

Accounts like the Flint Security Deposit and Retainage accounts which are not owned by GLWA are not included in this report.

Investment Strategy

OVERALL STRATEGY

- All investment activity is conducted subject to GLWA’s investment policy and state statutes while meeting the primary objectives of safety and liquidity. The portfolio is managed to a disciplined investment plan to provide improved safety and diversification while putting every dollar to work.
- GLWA, working with its investment advisor PFM Asset Management (“PFMAM”), has continued to invest its funds in a mixture of short and intermediate-term individual investment securities to ensure adequate liquidity to cover upcoming debt, pension payments, and operational requirements.
- PFMAM will continue to actively manage long-term portfolios with full discretion and align short-term balances with expected liabilities and identify strategies to maximize future investment income in the current interest rate environment, subject to GLWA’s investment policy and state statutes.

PORTFOLIO PERFORMANCE – CURRENT PERIOD*

- The overall portfolio’s original yield at cost went from 5.14% as of 3/31/2024 to 5.06% as of 6/30/2024.
- The total portfolio had a market yield of 5.23% at the end of June, compared to 5.27% as of March 31, 2023. Yield at market represents what the market would provide in return if the portfolio was purchased on June 30, 2024 (versus purchased in prior months / years); the lower yield is a result of the lower commercial paper yields in the Authority’s portfolio.
 - We utilize a variety of investment sectors, and because of that, this 5.23% yield at market as of 6/30/2024 is slightly lower than in the prior quarter due to tightening credit spreads and the relatively slight decrease in overnight and short-term yields

PORTFOLIO PERFORMANCE – PROJECTIONS

- GLWA earned over \$59.4 million (unaudited) in investment interest income for fiscal year 2024 (as of June 30, 2024) on a book value basis. It should be noted that the FY 2024 total interest earnings projection forecast was at \$58.8 million.
- The fiscal year 2024 period earnings were slightly higher than budgeted expectations, mainly due to the Federal Reserve’s “higher for longer” mantra during the time-period.

** Yield at cost is based on the original cost of the individual investments from the purchase date to maturity. On the other hand, yield at market is calculated on a specific day (in this case, June 30, 2024) and assumes that all the securities in the portfolio are purchased given the market price/yield on that particular day. If one is to generally hold their investments to the stated maturity date, then the yield at cost would be the better number to use to gauge how the portfolio is performing.*

Summary Market Overview and Outlook

ECONOMIC HIGHLIGHTS UPDATE

- As expected, the Federal Reserve (the “Fed”) left the target range for the Federal Funds rate unchanged at 5.25% to 5.50% at the June Federal Open Market Committee (“FOMC”) meeting. The Fed’s much-anticipated update to its Summary of Economic Projections showed just one quarter-point rate cut through the balance of 2024, two fewer than previously forecast. Chair Jerome Powell noted the revision reflected the slow progress on moving inflation towards the Fed’s 2.0% target. The labor market was also a focus, as recent economic releases showed it softening as it comes into better balance.
- May’s inflation readings improved after several months of disappointingly high readings earlier in the year. The year-over-year change in the Consumer Price Index (“CPI”) came in at 3.3%. Core CPI (which removes volatile food and energy components) came in at 3.4%, which is the smallest increase in over three years. The Personal Consumption Expenditures index (“PCE”), the Fed’s preferred inflation gauge, showed a similar downward trends as core CPE hit a three-year low of 2.6%.
- The final reading of first quarter calendar year 2024 gross domestic product (“GDP”) came in at 1.4%, down notably from the last two quarters of calendar year 2023. Personal spending declined to an annualized rate of 1.5%, below its 20-year average of 2.4%. Meanwhile, net exports and private inventories detracted from the headline figure by more than 1%.
- Retail sales and personal spending both came in below expectations in June, a continuation of the softening trend in consumer activity.
- The jobs report came in slightly above expectations as the non-farm payrolls report showed 206,000 net new jobs created in June; however, this was accompanied by significant downward revisions to the April and May figures. The unemployment rate also ticked up to 4.1% from 4.0% while the year-over-year change in average hourly earnings fell to a three-year low of 3.9%. This points to a moderating labor market, which should support the Fed’s soft-landing goal.

ECONOMIC IMPACT ON PORTFOLIO

- The yield curve remains inverted, though short-term U.S. Treasury Bills inched lower given expectations that we are nearing the start of a Fed rate-cutting cycle.
- Yields on benchmark 2, 5, and 10-year U.S. Treasuries ended the quarter at 4.76%, 4.38%, and 4.40%, respectively, as yields on maturities between 2 and 10 years rose 13 – 20 basis points during the quarter.
- Fixed income total returns were broadly positive for the quarter.
- Portfolio Impact: While expectations around the timing and pace of future Fed rate cuts remain fluid, investors view that the risk of yields falling far outweighs the risk of a rapid increase over the intermediate term. As a result, portfolio durations will remain neutral and will be maintained in-line with benchmarks. Spreads on Federal Agencies and supranational securities remained anchored over the quarter and offered limited value. Issuance is expected to remain quiet going in the summer, and one should expect to see further reductions of Agencies in favor of allocations to other sectors. Short-term money market yields finished the quarter relatively unchanged. Commercial paper and negotiable CD spreads continue to tighten closer to similar-maturity Treasuries.

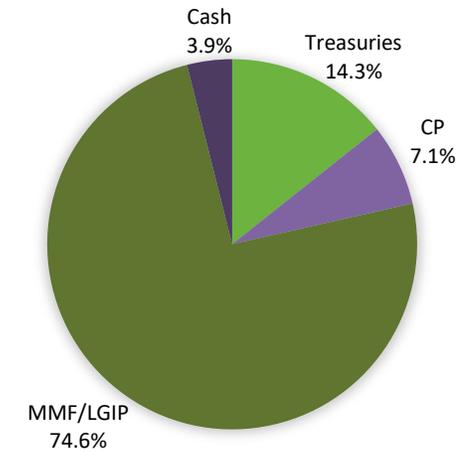
Portfolio Snapshot

Overall Portfolio Composition Summary

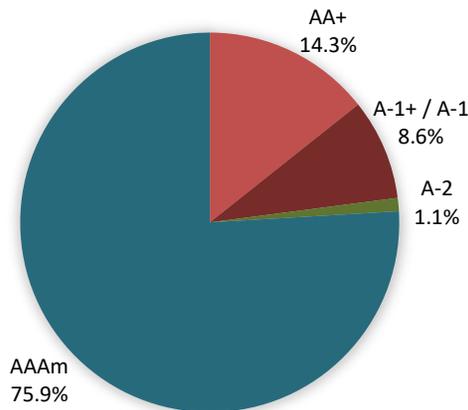
PORTFOLIO STATISTICS

Invested Amount	\$1.319 Billion
Duration	0.13 Years
Yield at Cost	5.06%
Yield at Market	5.23%

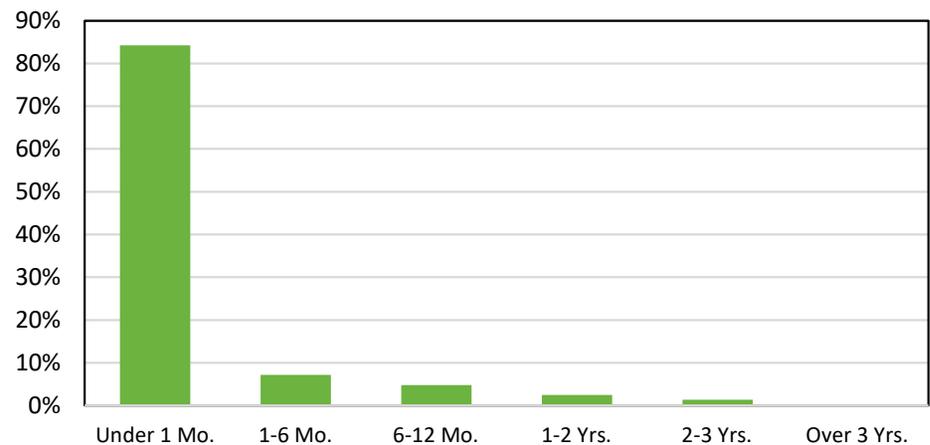
SECTOR ALLOCATION



CREDIT QUALITY



MATURITY DISTRIBUTION

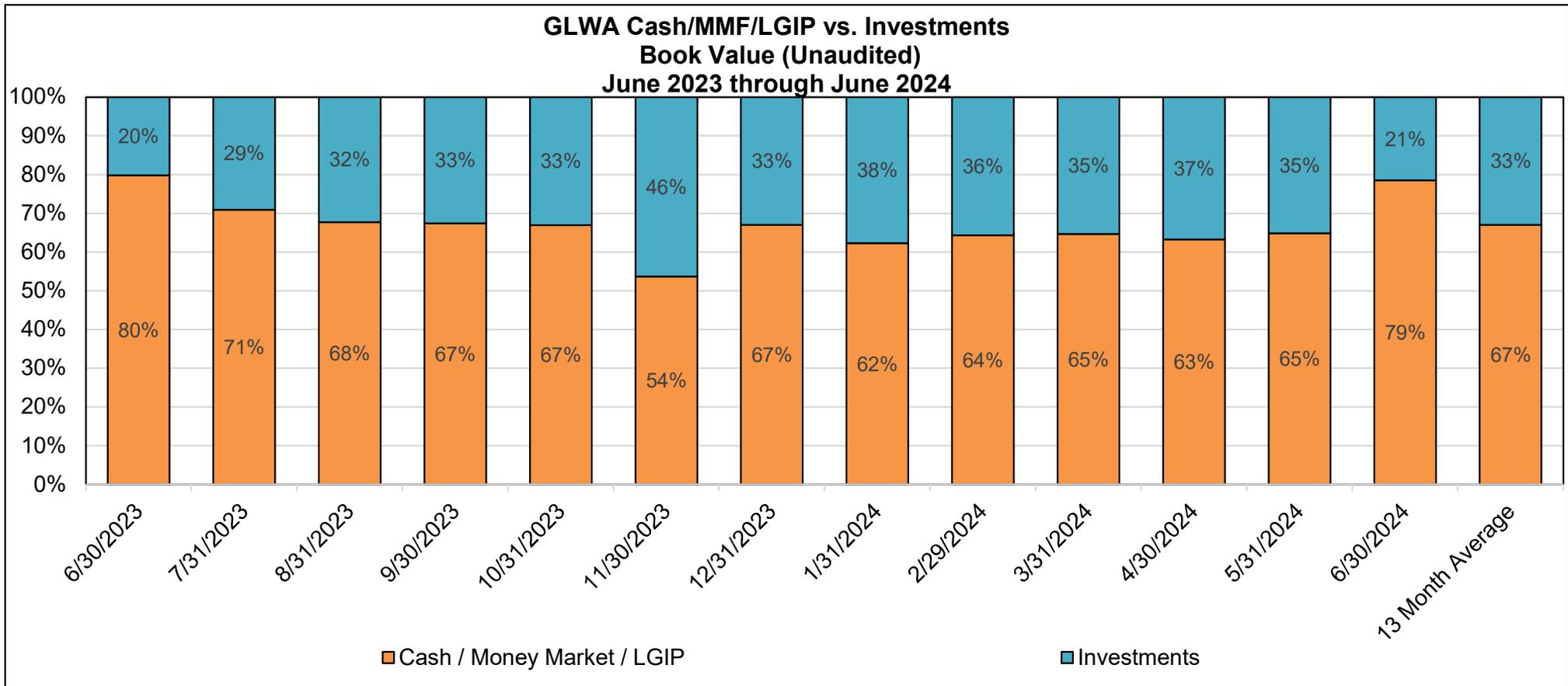


Accounts like the Flint Security Deposit and Retainage accounts which are not owned by GLWA are not included in this report.

Portfolio Snapshot

Portfolio Mix – Cash / Money Market vs. Investments

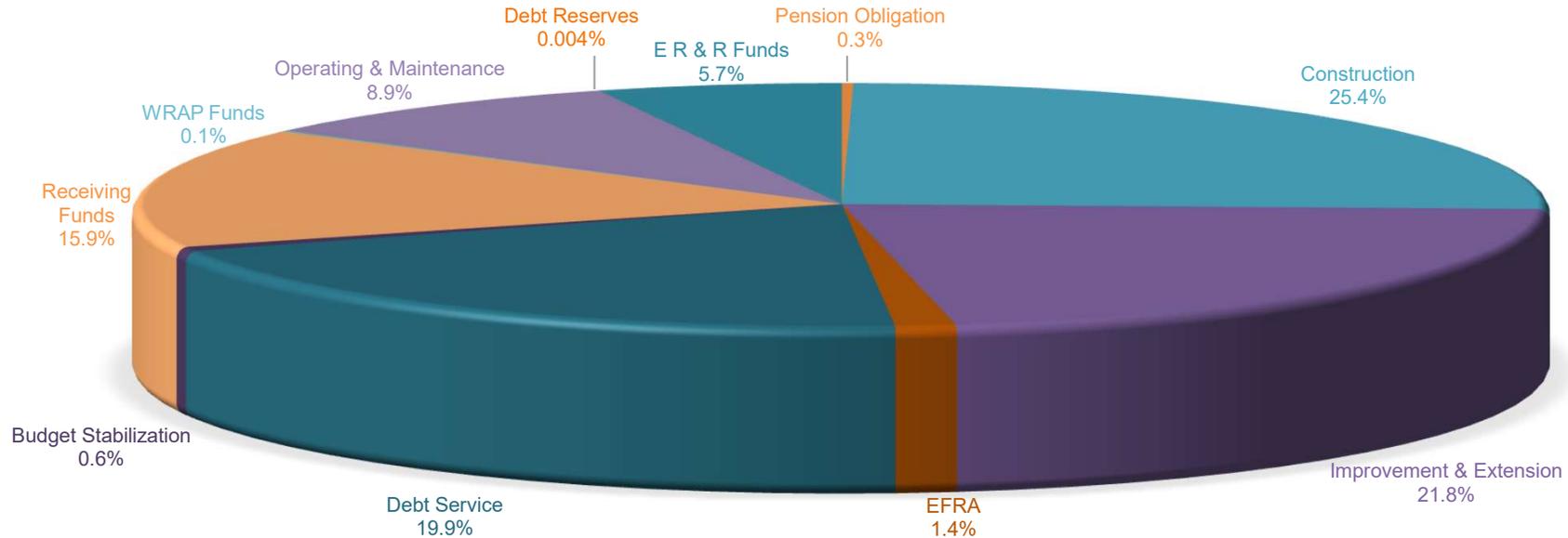
- GLWA’s liquidity requirements fluctuate each month based on operational requirements, capital funding, and debt payments. Based on a review of historical activity and refinement of cash flow projections, GLWA has continually tried to balance the allocation of the portfolio’s holdings to cash & money market accounts versus the allocation to investments for the portfolio holdings.
- The chart below compares the monthly allocation of the portfolio holdings to the 13-month average. The allocation between cash and investments will vary each month based on liquidity requirements. For June of 2024, about 79% of the overall portfolio was invested in cash, LGIP, and/or overnight money market fund accounts. This level is normal for the June time-period due to upcoming debt obligations and is also reflective of the inverted yield curve.



Accounts like the Flint Security Deposit and Retainage accounts which are not owned by GLWA are not included in this report.

Portfolio Snapshot

Investments – By Account Purpose



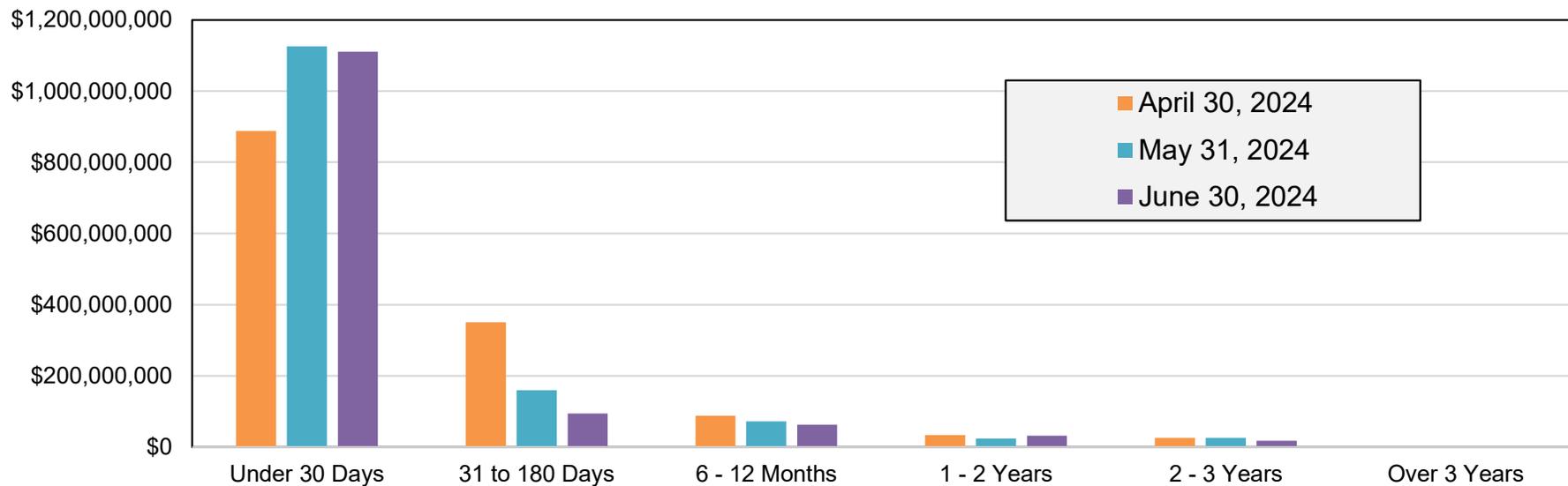
Account Purpose	Value Market	Allocation %	Cost Yield at	Market Yield at	Duration	Strategy
Construction Bond Funds	\$ 334,691,306	25.4%	5.37%	5.37%	0.003 Years	Cash Flow Driven
Improvement & Extension	\$ 287,153,112	21.8%	5.25%	5.25%	0.169 Years	Cash Flow Driven
Debt Service	\$ 262,656,089	19.9%	5.35%	5.50%	0.038 Years	Short-Term
Receiving Funds (includes lockbox account)	\$ 210,371,808	15.9%	5.17%	5.17%	0.003 Years	Short-Term
Operating & Maintenance	\$ 118,028,543	8.9%	4.66%	4.66%	0.003 Years	Short-Term
Extraordinary Repair & Replacement Funds	\$ 74,819,672	5.7%	2.73%	5.00%	1.275 Years	Long-Term
Evergreen Farmington Regional Account	\$ 18,310,630	1.4%	3.94%	3.94%	0.003 Years	Short-Term
Budget Stabilization Funds	\$ 7,540,031	0.6%	2.96%	4.94%	1.470 Years	Long-Term
Pension Obligation Funds	\$ 3,517,517	0.3%	5.18%	5.18%	0.003 Years	Short-Term
WRAP Funds	\$ 1,947,340	0.1%	5.18%	5.18%	0.003 Years	Short-Term
Debt Reserves	\$ 57,638	0.0%	5.18%	5.18%	0.003 Years	Long-Term
Total	\$ 1,319,093,686	100.0%	5.06%	5.23%	0.126 Years	

Accounts like the Flint Security Deposit and Retainage accounts which are not owned by GLWA are not included in this report.

Portfolio Snapshot

Investments – By Maturity

Maturity Distribution	April 30, 2024		May 31, 2024		June 30, 2024	
	\$	%	\$	%	\$	%
Under 30 Days	887,723,787	64.1%	1,126,144,439	80.0%	1,111,055,051	84.2%
31 to 180 Days	351,102,764	25.3%	159,833,663	11.3%	94,784,072	7.2%
6 - 12 Months	87,811,644	6.3%	72,125,695	5.1%	62,895,103	4.8%
1 - 2 Years	33,439,703	2.4%	24,523,464	1.7%	32,198,190	2.4%
2 - 3 Years	25,563,017	1.8%	25,677,183	1.8%	18,161,271	1.4%
Over 3 Years	-	0.0%	-	0.0%	-	0.0%
Totals	\$ 1,385,640,915	100.0%	\$ 1,408,304,445	100.0%	\$ 1,319,093,686	100.0%



Accounts like the Flint Security Deposit and Retainage accounts which are not owned by GLWA are not included in this report.

Portfolio Snapshot

Investment Accounts – Yield at Cost & Market

	As of June 30, 2024		As of March 31, 2024	
	YTM @ Cost	YTM @ Market	YTM @ Cost	YTM @ Market
Bank Deposits				
Bank A	0.01%	0.01%	0.01%	0.01%
Bank C	3.76%	3.76%	3.85%	3.85%
Sub-Total Bank Deposits	2.14%	2.14%	2.40%	2.40%
Money Market Funds / LGIPs				
Local Government Investment Pool	5.37%	5.37%	5.40%	5.40%
Trust Money Market Fund	5.18%	5.18%	5.18%	5.18%
Money Market Fund	5.19%	5.19%	5.19%	5.19%
Sub-Total MMF / LGIPs	5.26%	5.26%	5.30%	5.30%
Investment Portfolios				
Sewage SR Debt Serv 5403	5.82%	6.22%	5.47%	5.46%
Sewage SR Res 5400	0.00%	0.00%	3.32%	5.24%
Sew 2nd Debt Serv 5403	5.83%	6.22%	5.45%	5.48%
Sewage 2nd Res 5481	0.00%	0.00%	4.82%	5.24%
Sew SRF Debt Serv 5410	5.35%	5.52%	5.32%	5.45%
Sewage ER & R	2.64%	5.00%	2.65%	4.84%
Sewer Improvement & Extension	5.37%	5.37%	5.46%	5.35%
Sewer Pension Obligation	0.00%	0.00%	5.42%	5.32%
Sewer Budget Stabilization Fund	2.88%	4.94%	2.89%	4.77%
Sewer O&M Pension Sub Account	0.00%	0.00%	5.31%	5.16%
Water SR Debt Ser 5503	5.82%	6.21%	5.48%	5.47%
Water SR Reserve 5500	0.00%	0.00%	4.70%	5.27%
Water 2nd Debt Serv 5503	5.65%	6.47%	5.49%	5.50%
Water 2nd Res 5581	0.00%	0.00%	5.16%	5.27%
Water SRF Debt Serv 5575	5.36%	5.53%	5.33%	5.46%
Water ER & R	2.63%	4.98%	2.64%	4.82%
Water Improvement & Extension	5.37%	5.37%	5.46%	5.35%
Water Pension Obligation	0.00%	0.00%	5.43%	5.32%
Water Budget Stabilization Fund	2.93%	4.93%	2.93%	4.76%
Water O&M Pension Sub Account	0.00%	0.00%	5.31%	5.16%
Sub-Total Investment Portfolios	4.70%	5.48%	4.93%	5.32%
Grand Total	5.06%	5.23%	5.14%	5.27%

YTM @ Cost is the expected return, based on the original cost, the annual interest receipts, maturity value and the time period from purchase date to maturity, stated as a percentage, on an annualized basis. YTM @ Market is the rate of return, based on the current market value, the annual interest receipts, maturity value and time period remaining until maturity, stated as a percentage, on an annualized basis.

Portfolio Snapshot

Peer Analysis Comparison

- The comparison agencies included in the list below were selected based on type and/or other non-performance-based criteria to show a broad range of water entities/utilities; this peer group list does not represent an endorsement of any of the public agencies or their services.
- The overall yield of GLWA's aggregate portfolio compares somewhat similarly to those of other short-term market indices (i.e., the S&P LGIP index and the 3-month U.S. Treasury index), despite the volatility of short-term interest rates and the limited ability in managing assets to a longer-term strategy.
- GLWA does have some limitations and unique constraints related to its ordinance and covenants that restricts the potential for a longer duration portfolio when compared to other similar water agencies.

As of June 30, 2024

	Market Value	YTM @ Market	Effective Duration	Weighted Average Maturity
GLWA				
Great Lakes Water Authority	\$1,319,093,686	5.23%	0.13 Years	47 Days
Short/Intermediate-Term Indices				
S&P Rated Government Investment Pool Index		5.36%	0.08 Years	30 Days
BoA / ML 3-Month Treasury Index		5.37%	0.16 Years	59 Days
BoA / ML 6-Month Treasury Index		5.24%	0.41 Years	150 Days
BoA / ML 1-Year Treasury Index		5.19%	0.88 Years	322 Days
BoA / ML 1-3 Year Treasury Index		4.80%	1.75 Years	641 Days
BoA / ML 1-5 Year Treasury Index		4.65%	2.52 Years	922 Days
Peer Analysis (Water Entities / Utilities)				
District of Columbia Water & Sewer Authority, DC	\$169,311,547	4.81%	1.66 Years	673 Days
DuPage Water Commission, IL	\$123,811,867	4.72%	2.40 Years	1,221 Days
Fairfax County Water Authority, VA	\$182,986,705	4.97%	1.56 Years	598 Days
Metro Wastewater Reclamation District, CO	\$211,535,902	4.75%	2.49 Years	1,000 Days
Metropolitan Water District of Southern California, CA	\$859,336,667	5.09%	1.55 Years	677 Days
Philadelphia Water Department, PA	\$241,902,786	5.26%	0.91 Years	345 Days
San Bernardino Valley Municipal Water District, CA	\$351,244,107	4.94%	1.72 Years	675 Days
Tohopekaliga Water Authority, FL	\$206,257,187	4.79%	1.81 Years	865 Days
Truckee Meadows Water Authority, NV	\$65,576,656	5.14%	1.00 Years	373 Days

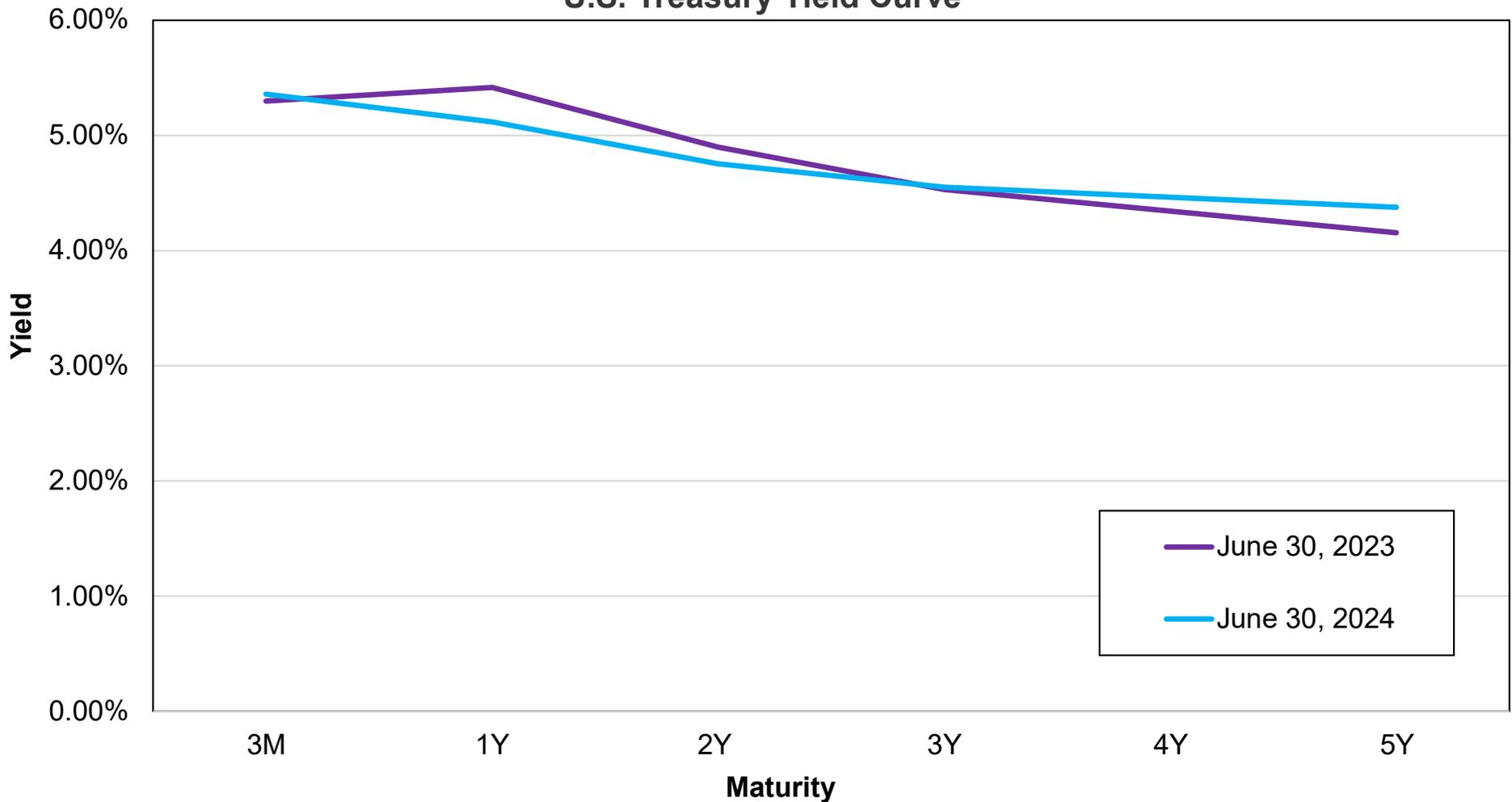
The BoA / ML indexes are unmanaged indexes tracking on-the-run Treasuries. These indexes are produced and maintained by Bank of America / Merrill Lynch & Co. Yield to maturity is the rate of return, based on the current market value, the annual interest receipts, maturity value and time period remaining until maturity, stated as a percentage, on an annualized basis.

Portfolio Snapshot - Market Overview and Outlook

US Treasury Yield Curve Presently Inverted

- Treasury yields slightly increased in response to economic data over the quarter. The yield curve has now been inverted for 24 months, the longest in history and spreads across most sectors remain near multi-year tights and represent market expectations for a soft landing. This inversion is expected to normalize if and when the Fed begins to cut rates, which could lead to a decrease in interest earnings for the Authority compared to the prior year.

U.S. Treasury Yield Curve



Portfolio Snapshot

Monthly Investment Income

(Book Value in 000's)

FY 2024 INVESTMENT INCOME BY MONTH (Unaudited)

Month	Interest Earned During Period <i>(in thousands)</i>	Realized Gain / Loss <i>(in thousands)</i>	Investment Income <i>(in thousands)</i>
July 2023	\$3,920.9	\$0.0	\$3,920.9
August 2023	\$4,068.8	\$0.0	\$4,068.8
September 2023	\$4,060.2	\$0.0	\$4,060.3
October 2023	\$4,313.0	\$0.0	\$4,313.0
November 2023	\$5,068.5	\$0.0	\$5,068.5
December 2023	\$5,491.7	(\$0.1)	\$5,491.6
January 2024	\$5,544.6	\$0.7	\$5,545.3
February 2024	\$5,287.8	\$0.0	\$5,287.8
March 2024	\$5,571.1	\$0.0	\$5,571.1
April 2024	\$5,449.4	\$0.0	\$5,449.4
May 2024	\$5,710.0	(\$191.8)	\$5,518.3
June 2024	\$5,204.0	\$0.0	\$5,204.0
<u>FY 2024 Y-T-D</u>	<u>\$59,690.0</u>	<u>(\$191.1)</u>	<u>\$59,498.9</u>

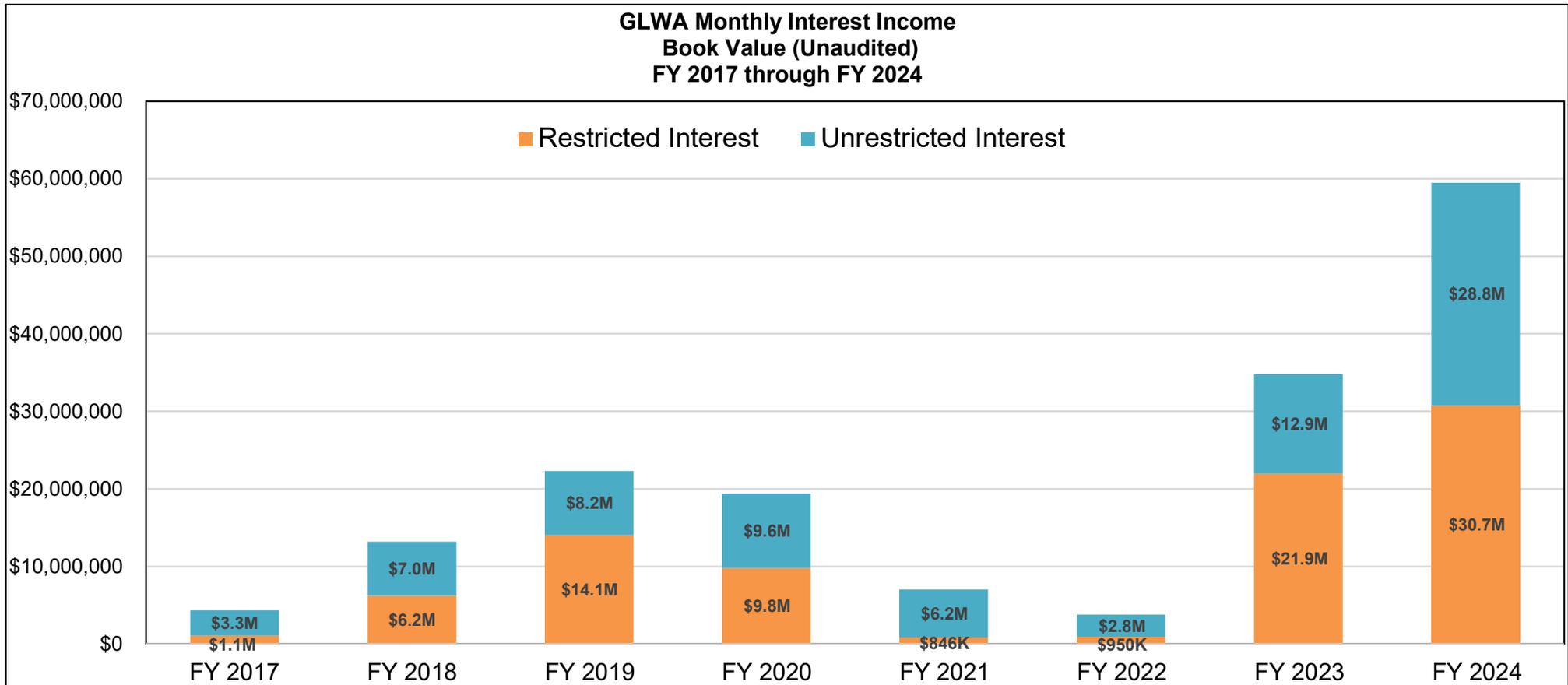
** The realized loss in December of 2023 was due to the sale of investments in the Sewer Second Reserve account in anticipation of liquidity requirements and liquidity needed in the Reserve Fund. The trade settled on December 1st and was available ahead of the bond closing on December 5th. The realized loss in May of 2024 was in conjunction with the June 2024 refunding in which securities that matured after June 6th in the bond reserve accounts that related to the Sewer Senior, Sewer Second, Water Senior, and Water Second liens had to be liquidated.*

These figures are based upon actual interest earned and posted to the Authority's various accounts via book value and does not include any earnings credit rate tied to the Authority's bank deposits.

Portfolio Snapshot

Year-Over-Year Investment Income

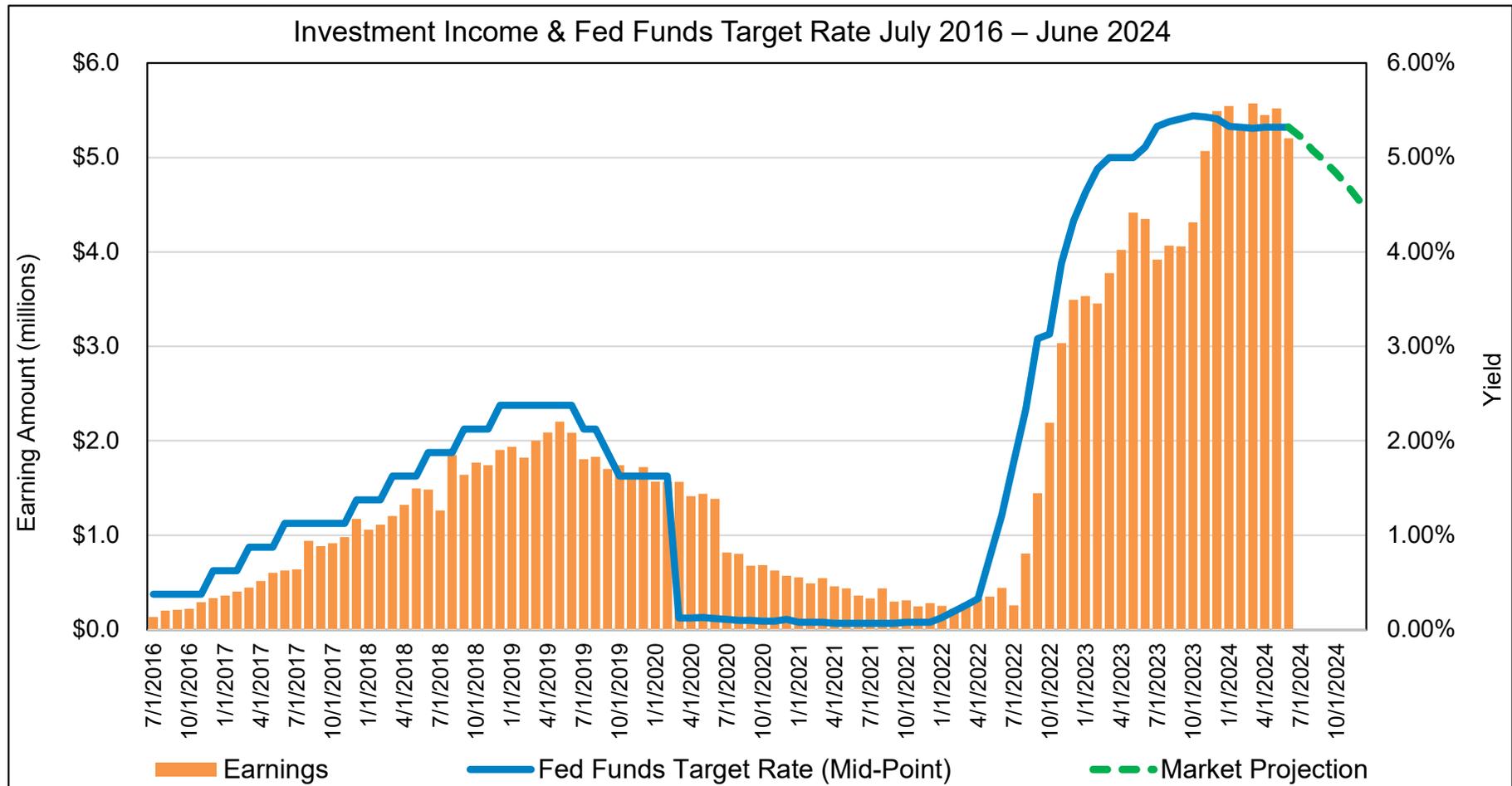
- GLWA earned \$59,498,929 in investment income for the entirety of fiscal year 2024 on a book value basis compared to \$34,803,167 for all of fiscal year 2023.
- Projected investment income for fiscal year 2024 was forecasted to be around \$58.8 million for all fund types (both restricted and unrestricted funds combined). Based on current market assumptions, even with the addition of assets and proceeds from GLWA’s recent bond fund issue, projected total investment income for fiscal year 2025 is expected to be less than what was seen in FY 2024 as the Federal Reserve has hinted that a rate cuts could be on the table at the next several meetings. It should also be noted that further rate cuts are already priced in for calendar year 2025 with a terminal Fed Funds rate at around 3%.



Portfolio Snapshot

Monthly Investment Income Compared to Fed Funds Rate

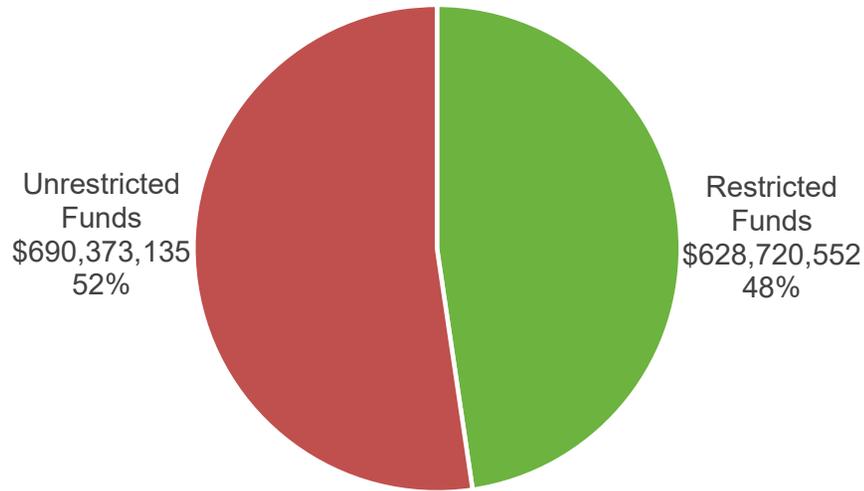
- At least 50% or more of the GLWA portfolio is designated for obligations that are 12 months or less. As a result of the short-term duration of GLWA’s portfolio, it is heavily impacted by changes in the Federal Funds target rate; the chart below illustrates that GLWA’s income has consistently followed the trend of the Fed Funds rate.
- The pace and magnitude of future Fed rate cuts is even more uncertain following the most recent labor market report, and most investors have held the view for some time that rates have peaked and that Fed rate cuts are coming before the end of the calendar year. The futures market continues to expect the Fed to begin its cutting cycle in September.



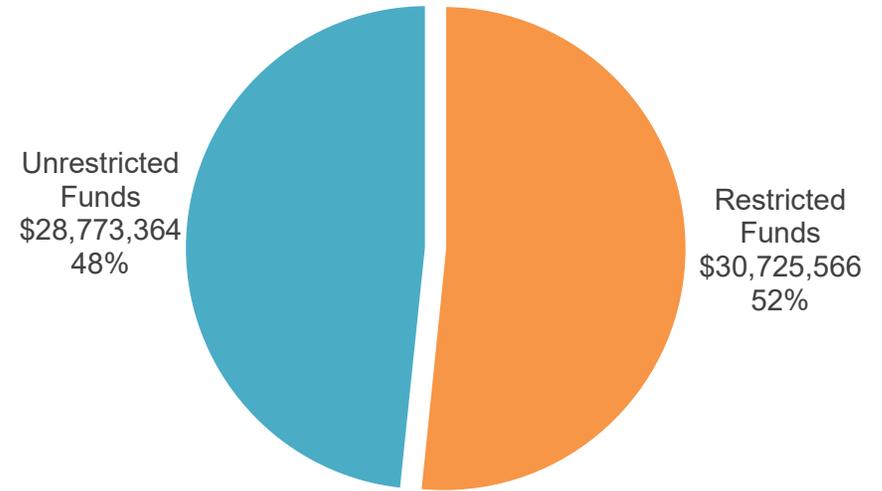
Portfolio Snapshot

Allocation and Income by Fund Type

Bank Balance as of June 30, 2024



July 2023 – June 2024 Interest Earnings



Restricted Principal and Restricted Interest
Construction Bond Funds
Debt Reserves
Debt Service
Evergreen Farmington Regional Account

Unrestricted Principal Unrestricted Interest
Extraordinary Repair & Replacement Funds
Improvement & Extension
Operating & Maintenance
Receiving Funds (includes lockbox account)

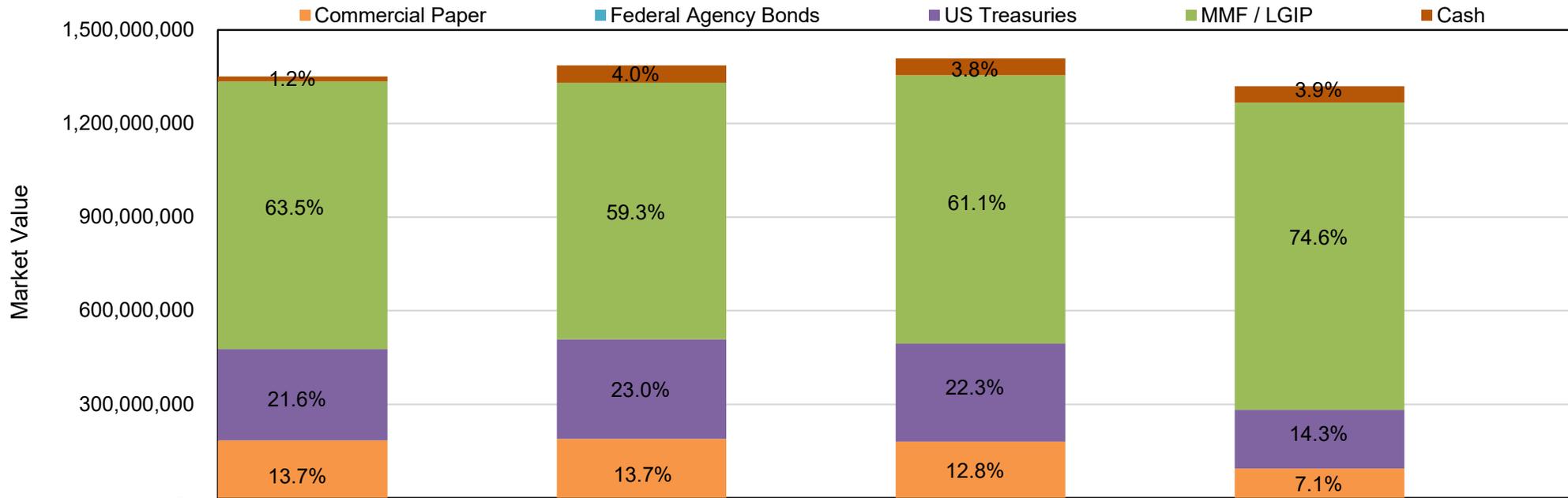
Restricted Principal Unrestricted Interest
Budget Stabilization Funds
Pension Obligation Funds
WRAP Funds

Note: Interest is sent to the Receiving Funds and can be used for operations

Note: Interest in I&E accounts is sent to the Receiving Funds and can be used for operations; DWSD's portion of the Receiving Funds is restricted and held in trust.

Portfolio Snapshot

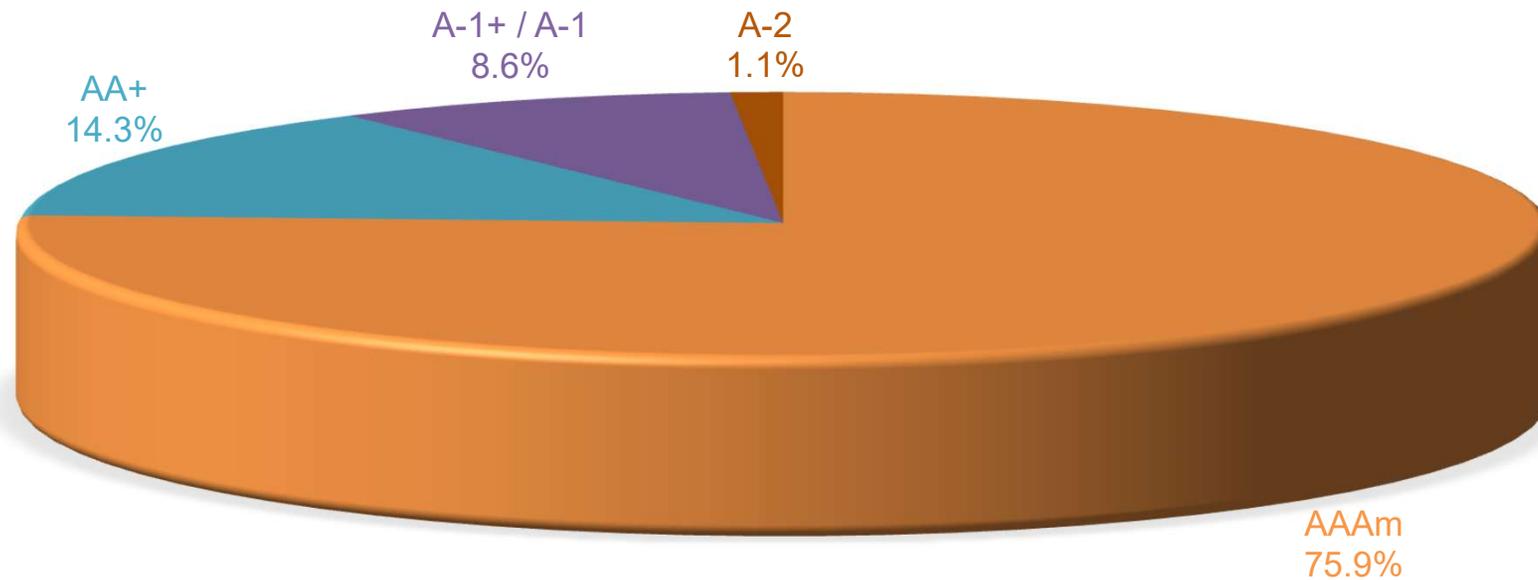
Investments – By Security Type



Security Type	March		April		May		June	
	Market Value	Asset Allocation						
Commercial Paper	184,327,347	13.7%	189,595,226	13.7%	180,689,774	12.8%	94,121,783	7.1%
Federal Agencies	-	0.0%	-	0.0%	-	0.0%	-	0.0%
U.S. Treasuries	292,199,371	21.6%	318,880,891	23.0%	314,241,565	22.3%	188,988,215	14.3%
MMF / LGIP	857,689,687	63.5%	821,977,751	59.3%	859,984,923	61.1%	984,040,135	74.6%
Cash	15,998,140	1.2%	55,187,048	4.0%	53,388,183	3.8%	51,943,554	3.9%
Total	1,350,214,544	100.0%	1,385,640,915	100.0%	1,408,304,445	100.0%	1,319,093,686	100.0%

Portfolio Snapshot

Investments – By Credit Quality



Credit Quality	Market Value	Asset Allocation
Ratings		
AAAm	1,001,648,242	75.9%
AA+	188,993,819	14.3%
A-1 + / A-1	113,653,668	8.6%
A-2	14,797,958	1.1%
NR	-	0.0%
Totals	1,319,093,686	100.0%

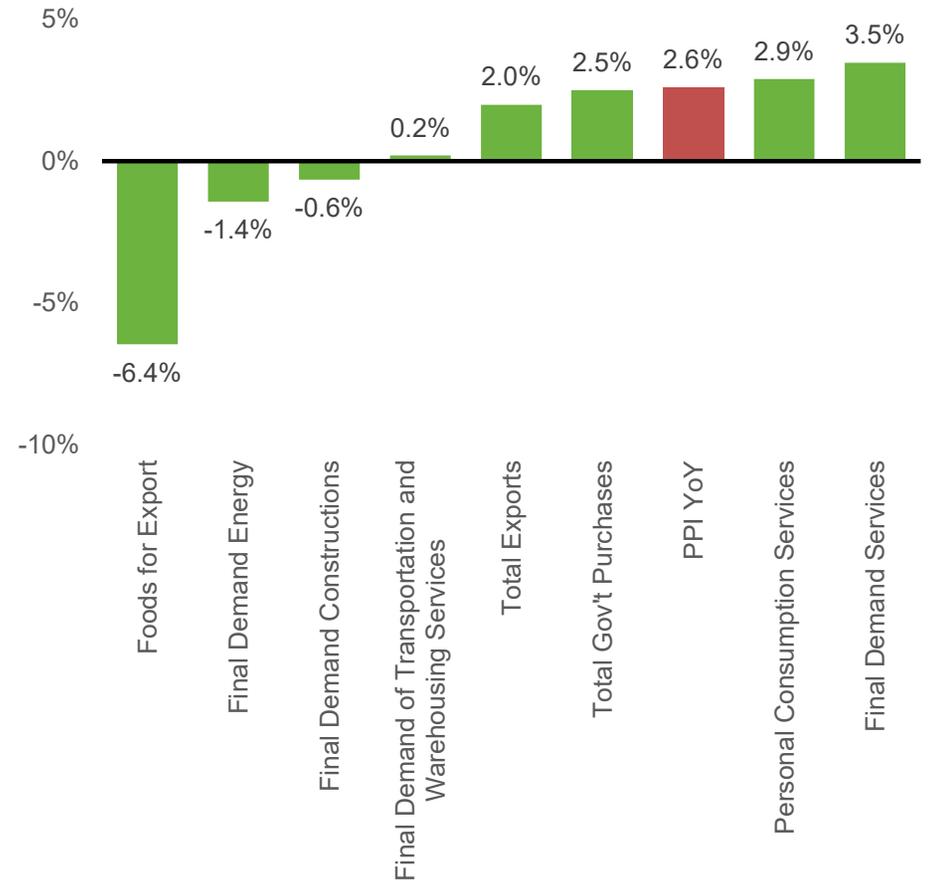
Appendix I: Economic Update

Producer Prices Rose

**Producer Price Index
 % Change YoY**



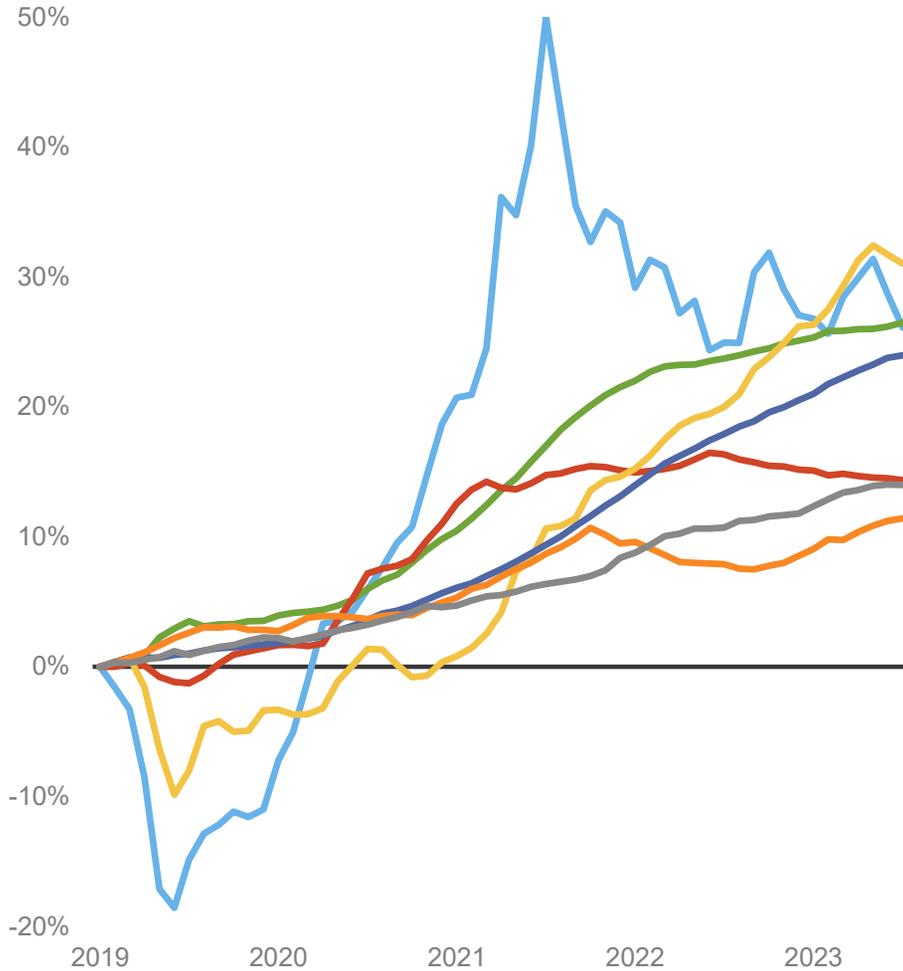
**Key Producer Price Index Components
 % Change YoY**



Source: Bloomberg, as of June 2024.

Inflation Continues to Moderate

Price Change of Major CPI Components
 Since December 2019



CPI Component	12-mo. Change	Weight ¹	Contribution to YoY CPI
Energy	0.9%	7.0%	0.1%
Food	2.2%	13.4%	0.3%
Transportation	9.2%	6.5%	0.6%
Shelter	5.1%	36.1%	1.9%
Goods	-1.7%	18.6%	-0.3%
Other Services ²	2.9%	11.8%	0.3%
Medical Services	3.3%	6.5%	0.2%
Overall	3.0%		

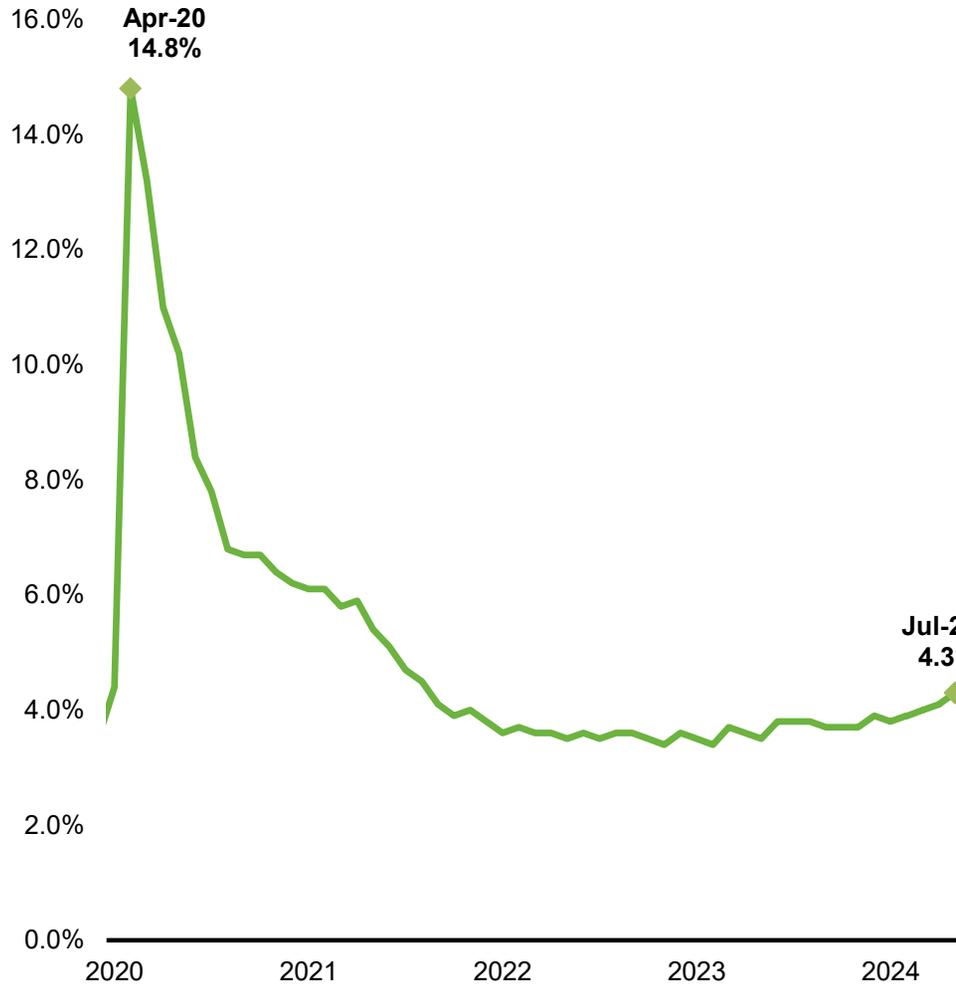
Source: Bloomberg, Bureau of Labor Statistics as of June 2024.

¹ Index weights are as of May 2024 as they are published on a one-month lag.

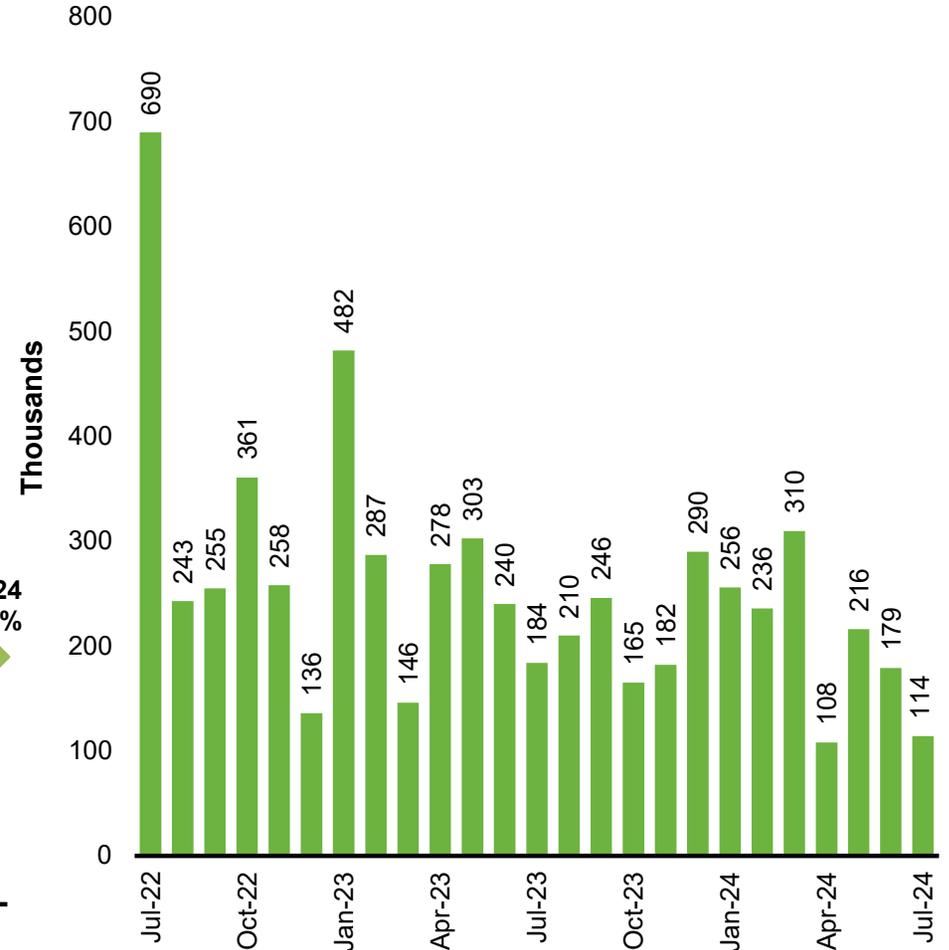
² Other services is a weighted blend of Water/Sewer/Trash, Household Operations, Recreation, and Education and Communication services.

Unemployment Rate Ticks Up

Unemployment Rate



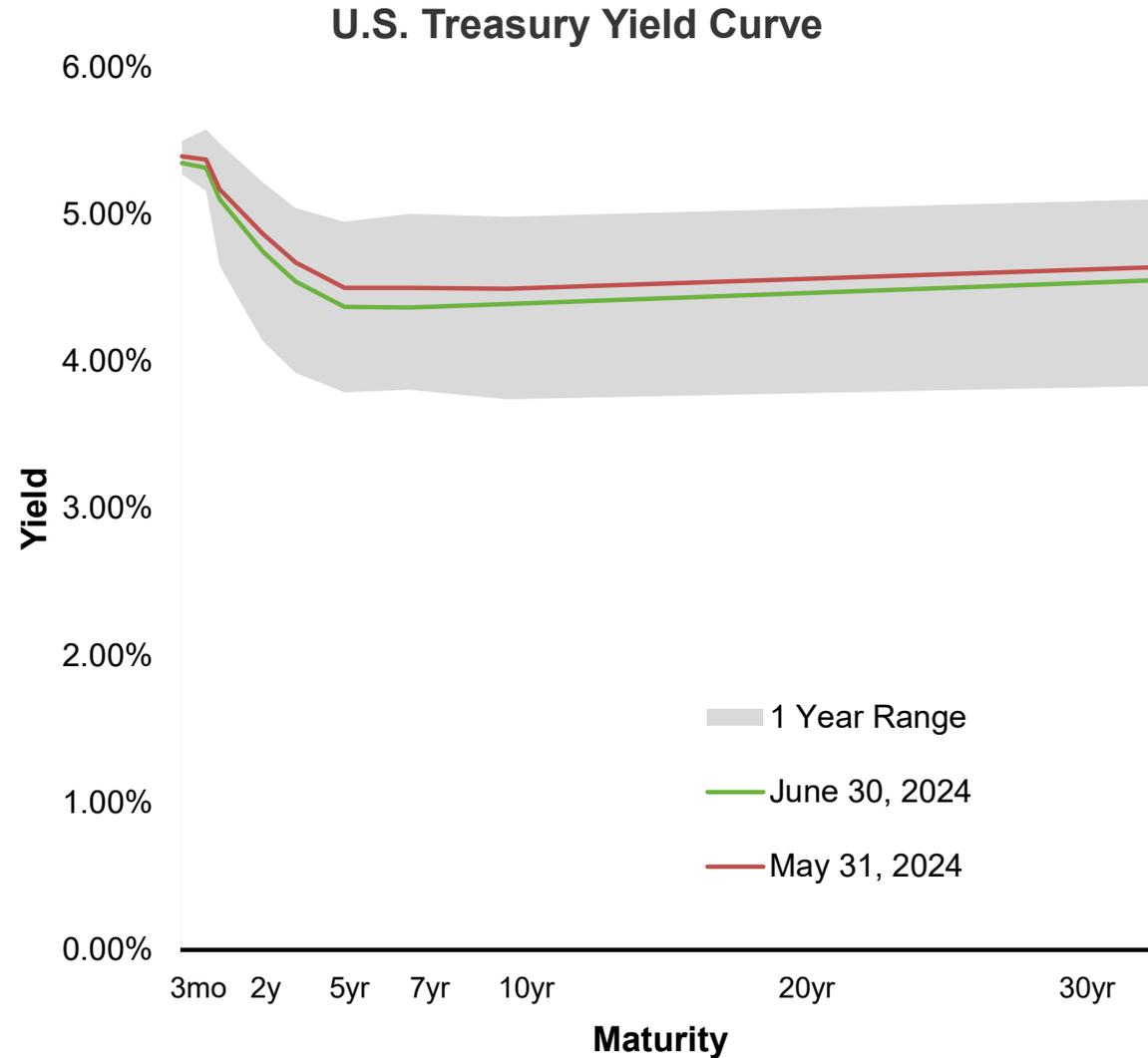
Monthly Change In Nonfarm Payrolls



Source: Bloomberg, as of July 2024. Data is seasonally adjusted.

Treasury Yield Curve

	5/29/2024	6/30/2024	Change
3 month	5.40%	5.35%	0.05%
6 month	5.38%	5.32%	-0.06%
1 year	5.18%	5.11%	-0.07%
2 year	4.87%	4.75%	-0.12%
3 year	4.68%	4.55%	-0.13%
5 year	4.51%	4.38%	-0.13%
10 year	4.50%	4.40%	-0.10%
30 year	4.65%	4.56%	-0.09%



Source: Bloomberg, as of 05/31/2024 and 6/30/2024, as indicated.

Fixed Income Market Overview and Outlook

FIXED INCOME MARKET – ECONOMIC HIGHLIGHTS

- The second quarter of calendar year 2024 was characterized by:
 - Moderating economic growth following two quarters of exceptional growth
 - Recent inflation prints resuming its slowing trend and path as it inches closer towards the Fed’s 2.0% target
 - Signs of consumer activity beginning to taper, though resilient consumer spending has still been supported by wage growth that is outpacing inflation
 - A labor market that continues to come into better balance as it shows strength while the unemployment rate has ticked up modestly

- As expected, the Federal Reserve kept the overnight rate at its current range of 5.25% to 5.50% at its June 12th meeting
 - This marked the seventh consecutive meeting since July of 2023 of the Fed keeping rates at this level
 - Furthermore, the Fed’s updated “dot plot” showed just one rate cut in 2024, a notable drop from the March projections of three cuts
 - This more closely aligned with market expectations, which generally assumed one or two cuts in the back half of this calendar year
 - Fed officials have noted that the risks to its “dual mandate” of stable inflation and maximum employment are becoming more balanced

- Investment markets generally remained priced for a “soft landing”
 - Investor confidence and a strong investor sentiment continued to buoy risk asset valuations
 - Equity markets, led notably by the technology sector, surged ahead and closed the quarter just shy of all-time highs
 - The S&P 500 index returned 4.3% in the quarter while the Nasdaq index generated an 8.5% return
 - U.S. Treasury yields of maturities from one to 30 years rose by 13 to 22 basis points during the quarter, with longer tenors leading the ascent

Fixed Income Market Overview and Outlook

FIXED INCOME MARKET – ECONOMIC HIGHLIGHTS

- The market spent most of the quarter recalibrating expectations around the number of Fed rate cuts in 2024
 - Investors settled at one or two rate cuts following the most recent CPI reading
 - Fed Funds futures ended the quarter pricing in the first cut in September, which represents an eight-month delay from expectations at the beginning of the calendar year

- U.S. Treasury yields rose modestly during the quarter as the yield on the 2, 5, and 10-year U.S. Treasuries rose 13, 16, and 20 basis points, respectively
 - Despite the relatively modest increase in yields, Treasuries traded over a 40 to 50 basis point range over the quarter

- U.S. Treasury indices less than 10 years posted positive performance as higher income more than offset the negative price effects from modestly higher yields
 - The ICE BofA 2 and 5-year U.S. Treasury indices returned +0.85% and +0.42%, respectively, while higher yields and the much longer duration of the 10-year U.S. Treasury index produced negative performance, resulting in an investment return of -0.30% for the quarter
 - Shorter-duration indices continued to benefit from elevated Fed rate policy as the ICE BofA 3-month and 1-year U.S. Treasury indices returned +1.32% and +1.11%, respectively

- Sustained investor appetite continued to pressure yield spreads near multi-year lows across investment grade sectors throughout the quarter
 - This resulted in firmly positive excess returns on most other non-government fixed income sectors
 - Shorter maturities less than one year remained firmly above 5.25% as the Fed's rate policy remained unchanged
 - Short-term credit, including commercial paper and negotiable CDs, generally experienced spread tightening over the course of the quarter

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Financial Services Audit Committee Communication

Date: July 26, 2024

To: Great Lakes Water Authority Audit Committee

From: Haran Stanley, Affordability & Assistance Management Professional

Re: Affordability & Assistance Update

WRAP Update

Throughout June, the GLWA Affordability & Assistance team proactively engaged in a series of visits to our WRAP (Water Residential Assistance Program) service delivery partners. Our purpose was to deepen our understanding of the processes and services they provide. The team visited the offices of Macomb Community Action, United Way for Southeastern Michigan, and Wayne Metro Community Action.

WRAP in Highland Park - The Affordability & Assistance team, in collaboration with Wayne Metropolitan Community Action Agency (Wayne Metro), is preparing to accept households into WRAP. The Affordability & Assistance team and Wayne Metro are arranging a meeting to engage in discussions regarding marketing strategies and the overall approach. Wayne Metro is also in the planning stages of developing a podcast series with the aim of effectively reaching out to residents and providing them with comprehensive information about the services available.

BS&A Update - Through communications with the Macomb Community Action, Eastpointe is now using the BS&A tool to apply monthly bill credits from WRAP to their residents' accounts. Our WRAP Service Delivery Partners continue to work with our GLWA Member Partners to increase awareness of this tool and its benefits.

Affordability Update

Senator Stephanie Chang is hosting an in-person workgroup meeting on July 25, 2024 in Lansing. A specific group of stakeholders will attend this meeting to further strategize on legislative efforts.

On June 27, 2024, Nicolette Bateson, GLWA Chief Financial Officer & Treasurer, presented to the Oakland County Water Resources Commissioner's Water Affordability Coalition. The topic was an overview of WRAP services that have been delivered to households across Oakland County.

Key Initiatives

1. Ongoing – Engage in statewide conversations with stakeholders and leaders related to water affordability matters in Michigan

2. In-Process – Convert legacy monthly statements of expenses from myriad formats to create a “WRAP Database” to support effective program management
3. In-Process – Develop a WRAP commitment forecasting model for Service Delivery Partners
4. Discovery Phase – Develop a grant-seeking proposal package to identify additional sources of funding
5. Discovery Phase – Creation of a comprehensive database populated through electronic data extraction from Service Delivery Partner systems
6. Complete – Updates to the WRAP program manual and Frequently Asked Questions documents which have been shared with SDPs

Proposed Action: Receive and file this report.



Financial Services Audit Committee Communication

Date: August 23, 2024

To: Great Lakes Water Authority Audit Committee

From: Haran Stanley, Affordability & Assistance Management Professional

Re: Affordability & Assistance Update

WRAP Update

Throughout June, the GLWA Affordability & Assistance team proactively engaged in a series of visits to our WRAP (Water Residential Assistance Program) service delivery partners. Our purpose was to deepen our understanding of the processes and services they provide. The team visited the offices of Macomb Community Action, United Way for Southeastern Michigan, and Wayne Metro Community Action.

In July, we began to prepare the closing of the fiscal year 2024 financial activities for WRAP.

WRAP in Highland Park - The Affordability & Assistance team, in collaboration with Wayne Metropolitan Community Action Agency (Wayne Metro), is now accepting households into WRAP. There are ongoing conversations to coordinate enrollment strategies. Wayne Metro currently sees approximately 70 households applying for water assistance a month. There is a concerted effort to effectively reach out to residents and provide them with comprehensive information about the services available.

BS&A Update - Through communications with the Macomb Community Action, East Pointe is now using the BS&A tool to apply monthly bill credits from WRAP to their residents' accounts. Our WRAP Service Delivery Partners continue to work with our GLWA Member Partners to ensure they are aware of this benefit and its beneficial application.

Affordability Update

Senator Stephanie Chang hosted an in-person workgroup meeting in Lansing, MI, on July 25, 2024 and will host another meeting on August 25, 2024. A specific group of stakeholders will attend this meeting to strategize their legislative efforts further.

Key Initiatives

1. On Going – Engage in statewide conversations with stakeholders and leaders related to water affordability matters in Michigan
2. In-process – Convert legacy monthly statements of expenses from myriad formats to create a “WRAP Database” to support effective program management
3. In-process – WRAP commitment forecasting model for Service Delivery Partners

4. In-process – Compiling customer testimonials to help tell the story of WRAP and how it has impacted the community.
5. Discovery Phase – Develop a grant-seeking proposal package to identify additional sources of funding
6. Complete– the WRAP program manual and Frequently Asked Questions documents have been shared with SDPs

Proposed Action: Receive and file this report.



Financial Services Audit Committee Communication

Date: July 26, 2024

To: Great Lakes Water Authority Audit Committee

From: William Baker, Financial Management Professional, Construction Accounting & Reporting

Re: FY 2024 Q3 Construction Work-in-Progress Report through March 31, 2024 (Unaudited)

Background: The quarterly construction work-in-progress (CWIP) provides information and analysis related to the execution of the Great Lakes Water Authority capital improvement program (CIP).

Analysis: The attached documents summarize the FY 2024 Q3 CWIP positions and provides a detailed snapshot to inform decision makers and stakeholders.

Proposed Action: Receive and file this report.



**Construction Work-in-Progress Quarterly Report
(Unaudited)**

As of March 31, 2024

For questions, please contact:

William Baker
Construction Accounting and Reporting
Phone: 313.378.9760
Email: william.baker@glwater.org

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July 26, 2024**To Our Stakeholders:**

The contents of this report represent the financial presentation of construction work-in-progress activity for the Great Lakes Water Authority (GLWA) as of March 31, 2024. The information in this report presents a detailed snapshot and is important as we track the execution of the FY 2024–2028 Capital Improvement Plan (CIP) and look to inform decision makers as we evaluate the FY 2025–2029 CIP.

As we continue to refine this report to better communicate pertinent information to inform decision makers and stakeholders, content and formatting may be changed. With the summary of active projects now regularly being reported to the Capital Planning Committee the project highlights previously being reported have been removed from this report.

Report Contents and Organization

Construction Work-in-Progress (CWIP) Appendices: Includes breakdown by jurisdiction which provides a summary of the planned and actual project activity by the jurisdictions identified within the FY 2024 – 2028 Board Approved CIP Plan, detailed CWIP rollforward, which lists all projects in the CIP along with financial activity. These tables may be used to revisit priorities, workload, and phasing. In addition, this section contains project amendment summaries which consider the award of CIP contracts and the related execution thereof may result in deviations from the amount and timing of project activity. Project amendments are prepared to fund the related increase or decrease with either an adjustment to Capital Reserve or Program / Allowance accounts to amend the board approved fiscal year CIP accordingly and to inform decision makers in the development of future Capital Improvement Plans.

Financial Information

All project amounts are unaudited. This means that direct contractor costs are generally included in these totals with most pay estimates entered through March 31, 2024. There may, however, be some pay estimates that lag. The totals do not include indirect overhead.

Budget vs. Plan

Generally, GLWA's CIP projects span two or more fiscal years. The GLWA Board of Directors adopts a biennial "budget" and a five-year capital improvement "plan".

- ✓ The adopted **budget** relates to operations and maintenance expense, annual fixed commitments such as debt service, and incremental adjustments to reserves. The budget provides authority to spend within defined amounts. The budget is also referred to as the "revenue requirement" for the utility.
- ✓ After contracts are awarded at amounts variant from the CIP plan and more reliable anticipated spend data becomes available, the amended budget for the current fiscal year may increase or decrease by way of "Capital Reserve" budget amendments.
- ✓ The five-year capital improvement **plan** is a rolling plan that is updated at an administrative tracking level as projects move from estimated to actual bid numbers. An updated mid-cycle CIP would be presented to the Board for approval if the prioritization strategy was revised and/or the plan was in need of material revisions.
- ✓ 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.

Executive Summary

The rate of spend is a key performance indicator. The development of the FY 2024-2028 and related CIP Plan for FY 2024 were based on anticipation of FY 2024 activity resulting in 100% of planned spend for the Water system and 100% of planned spend for the Wastewater system. In June the GLWA Board of Directors amended the Adjusted Capital Spending Ratio (SRA) to 79.4% for the Water system and 70.3% for the Wastewater system. These Adjusted Capital Spending Ratios are published in the Q3 FY2024 Budget Amendment Report

The Water System spend for the period ending March 31, 2024, is 69.5% of the FY 2024 board approved CIP, 82.9% of the FY 2024 board approved CIP with project amendments, 69.5% of the FY 2024 Approved Capital Spending Rate Assumption (SRA) and 87.6% of the FY 2024 Adjusted Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2024 Board Approved CIP was amended from \$239.3M to \$200.7M is provided in the subsequent Project Amendment Summary appendix of this report.

Water System Projects	FY 2023	FY 2023 Activity	FY 2023 Percentage	FY 2024	FY 2024 Prorated (Nine Months)	FY 2024 Activity (Unaudited)	FY 2024 Percentage
(in millions)							
FY 2023 Board Approved CIP	\$ 194.4	\$ 196.3	101.0%				
FY 2023 Board Approved CIP With Project Amendments	199.5	196.3	98.4%				
FY 2023 Capital Spend Rate Assumption (SRA) - Approved	155.5	196.3	126.2%				
FY 2023 Capital Spend Rate Assumption (SRA) - Adjusted	208.0	196.3	94.4%				
FY 2024 Board Approved CIP				\$ 239.3	\$ 179.5	\$ 124.8	69.5%
FY 2024 Board Approved CIP With Project Amendments				200.7	150.5	124.8	82.9%
FY 2024 Capital Spend Rate Assumption (SRA) - Approved				239.3	179.5	124.8	69.5%
FY 2024 Capital Spend Rate Assumption (SRA) - Adjusted				190.0	142.5	124.8	87.6%

Executive Summary (Continued)

The Wastewater System spend for the period ending March 31, 2024, is 57.9% of the FY 2024 board approved CIP, 55.8% of the FY 2024 board approved CIP with project amendments, 57.9% of the FY 2024 Approved Capital Spending Rate Assumption (SRA) and 82.3% of the FY 2024 Adjusted Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2024 Board Approved CIP was amended from \$199.0M to \$206.6M is provided in the subsequent Project Amendment Summary appendix of this report.

Wastewater System Projects	FY 2023	FY 2023 Activity	FY 2023 Percentage	FY 2024	FY 2024	FY 2024	FY 2024
					Prorated (Nine Months)	Activity (Unaudited)	
<i>(in millions)</i>							
FY 2023 Board Approved CIP	\$ 125.9	\$ 104.7	83.2%				
FY 2023 Board Approved CIP With Project Amendments	136.0	104.7	77.0%				
FY 2023 Capital Spend Rate Assumption (SRA) - Approved	94.4	104.7	110.9%				
FY 2023 Capital Spend Rate Assumption (SRA) - Adjusted	108.5	104.7	96.5%				
FY 2024 Board Approved CIP				\$ 199.0	\$ 149.3	\$ 86.4	57.9%
FY 2024 Board Approved CIP With Project Amendments				206.6	155.0	86.4	55.8%
FY 2024 Capital Spend Rate Assumption (SRA) - Approved				199.0	149.3	86.4	57.9%
FY 2024 Capital Spend Rate Assumption (SRA) - Adjusted				139.9	104.9	86.4	82.3%

Appendix A - Construction Work-in-Progress Rollforward Summaries by Jurisdiction

The purpose of the construction work-in-progress (CWIP) summary rollforward by jurisdiction is to provide a high-level overview of the financial status of the projects identified within the current board approved CIP by their jurisdiction. Within the FY 2024 – 2028 Board Approved CIP Plan, projects are identified and categorized as either City of Detroit, Wayne County - Outside Detroit, Lapeer County, Macomb County, Oakland County, Saint Clair County or Multiple Counties and reflected accordingly in this report.

\$495.9 million is in CWIP as of March 31, 2024 as shown for the Water System in A1 - Water - CWIP Rollforward by Jurisdiction

\$340.9 million is in CWIP as of March 31, 2024 as show for the Wastewater System in A2 - Wastewater - CWIP Rollforward by Jurisdiction

The order of these appendices on the subsequent pages are in ascending by jurisdiction alphabetically.

Construction Work-in-Progress Quarterly Report

As of March 31, 2024

Great Lakes Water Authority

A1 - Water System Construction Work-in-Progress (CWIP) FY 2024 Rollforward Summary By Jurisdiction

Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Jurisdiction	Total Project Plan Estimate	CWIP Balance July 1, 2023	FY 2024 Board Approved CIP	FY 2024 Board Approved CIP With Project Amendments	FY 2024 Activity through March 31, 2024	CWIP Balance March 31, 2024
City of Detroit	\$ 638,107,597	\$ 106,551,466	\$ 40,250,349	\$ 40,875,349	\$ 30,680,276	\$ 137,231,742
Lapeer County	143,765,078	5,451,155	902,113	902,113	(94,137)	5,357,018
Mutiple Counties	806,054,995	94,920,092	103,273,696	53,298,096	35,662,327	130,638,039
Oakland County	526,779,159	101,425,208	35,809,598	44,059,698	30,422,840	131,848,048
Saint Clair County	357,322,501	10,362,274	16,975,870	17,974,870	7,691,853	18,054,127
Wayne County - Outside Detroit	1,271,890,345	55,533,758	42,047,936	43,573,336	20,421,161	72,798,425
Grand Total	\$ 3,743,919,674	\$ 374,243,953	\$ 239,259,562	\$ 200,683,462	\$ 124,784,320	\$ 495,927,399

Great Lakes Water Authority

A2 - Wastewater System Construction Work-in-Progress (CWIP) FY 2024 Rollforward Summary By Jurisdiction

Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Jurisdiction	Total Project Plan Estimate	CWIP Balance July 1, 2023	FY 2024 Board Approved CIP	FY 2024 Board Approved CIP With Project Amendments	FY 2024 Activity through March 31, 2024	FY 2024 CWIP Balance March 31, 2024
City of Detroit	\$ 2,431,678,757	\$ 209,701,082	\$ 129,495,209	\$ 135,255,509	\$ 43,732,601	\$ 220,202,179
Mutiple Counties	1,503,643,833	78,549,059	69,338,051	71,068,551	41,475,254	119,045,902
Wayne County - Outside Detroit	139,547,775	438,459	227,885	227,885	1,178,789	1,617,248
Grand Total	\$ 4,074,870,364	\$ 288,688,600	\$ 199,061,145	\$ 206,551,945	\$ 86,386,644	\$ 340,865,330

Appendix B - Construction Work-in-Progress Rollforwards

The purpose of the construction work-in-progress (CWIP) rollforward is to analyze the current year activity for each project in relation to the overall capital improvement program as well as the project portfolio overall.

As part of our project life cycle review the Construction Accounting team identifies when it is appropriate for projects to be capitalized. Projects are to be capitalized when they have been completed in totality or are inclusive of identifiable assets that have been placed in service. Capitalization of project cost occurred in the FY 2024 2nd quarter for the following projects:

<u>Project</u>	<u>Contract</u>	<u>Description</u>
216004	CON-222	WRRF & PS 2-Grit and Screening Rehab
260622	CON-299	Baby Creek Generator Improvements Task #8 "ILAG"

\$495.9 million is in CWIP as of March 31, 2024, as shown for the Water System in B1 - Water - Detailed CWIP Rollforward

\$340.9 million is in CWIP as of March 31, 2024, as shown for the Wastewater System in B2 - Wastewater - Detailed CWIP Rollforward

The order of these appendices on the subsequent pages are in ascending order by Project Category followed by CIP project number.

Construction Work-in-Progress Quarterly Report

As of March 31, 2024

Great Lakes Water Authority
 B1 - Water System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Project Category	Total Project Plan Estimate	FY 2024 Board			FY 2024 Capitalizations			Life to Date Capitalizations And Other Activity	Life to Date Activity Through March 31, 2024	Life to Date Activity / Total Project Plan Estimate
		FY 2024 Board Approved CIP	Approved CIP With Project Amendments	CWIP Balance July 1, 2023	FY 2024 Activity through March 31, 2024	FY 2024 Capitalizations And Other Activity Through March 31, 2024	CWIP Balance March 31, 2024			
Field Services - Water	605,748,307	121,118,374	79,188,974	119,596,676	59,258,580	-	178,855,256	98,677,166	277,532,421	46%
Programs - Water	563,390,417	21,421,981	23,311,681	50,259,310	11,352,059	(55,620)	61,666,989	32,276,931	93,943,920	17%
Security	5,258,442	-	-	-	-	-	-	10,357,757	10,357,757	197%
Systems Control Center	738,918,834	10,385,609	9,894,909	53,505,887	3,121,765	-	56,627,652	5,973,851	62,601,503	8%
Water Treatment Plants & Facilities	1,797,962,260	85,654,045	87,608,345	150,882,080	51,051,915	3,156,493	198,777,502	204,602,263	403,379,765	22%
Programs - Centralized Services	32,634,746	679,554	679,554	-	-	-	-	-	-	0%
Energy Mangement	6,667	-	-	-	-	-	-	-	-	0%
Grand Total	3,743,919,674	239,259,562	200,683,462	374,243,953	124,784,320	3,100,873	495,927,399	351,887,968	847,815,366	23%

Construction Work-in-Progress Quarterly Report

As of March 31, 2024

Great Lakes Water Authority
 B2 - Wastewater System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Project Category	Total Project Plan Estimate	FY 2024 Board			FY 2024 Capitalizations			Life to Date		Life to Date Activity / Total Project Plan Estimate
		FY 2024 Board Approved CIP	Approved CIP With Project Amendments	CWIP Balance July 1, 2023	FY 2024 Activity through March 31, 2024	FY 2024 Capitalizations And Other Activity Through March 31, 2024	CWIP Balance March 31, 2024	Capitalizations And Other Activity	Activity through March 31, 2024	
CSO Facilities	223,462,073	9,578,136	9,578,136	5,277,057	7,822,875	-	13,099,931	737,296	13,837,228	6%
Facilities	1,123,056	-	-	-	-	-	-	1,123,056	1,123,056	100%
Field Services - Wastewater	203,493,821	19,775,025	19,775,025	53,673,024	5,192,820	-	58,865,844	-	58,865,844	29%
Programs	1,598,544,588	92,767,210	94,497,710	95,169,871	52,720,324	978,411	146,911,784	47,832,267	194,744,051	12%
Programs - Water	-	-	-	-	-	-	-	83,000	83,000	0%
Security	2,362,970	-	-	-	-	-	-	3,200,851	3,200,851	135%
Systems Control Center	591,551,929	24,295,387	24,295,387	56,087,591	4,007,586	-	60,095,177	6,103,686	66,198,863	11%
Water Resource Recovery Facility	1,454,331,929	52,645,387	58,405,687	78,481,057	16,643,039	33,231,503	61,892,593	200,149,380	262,041,972	18%
Grand Total	4,074,870,364	199,061,145	206,551,945	288,688,600	86,386,644	34,209,914	340,865,330	259,229,535	600,094,865	15%

Construction Work-in-Progress Quarterly Report

As of March 31, 2024

Great Lakes Water Authority
 B3 - Water System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Project Category	Project	Project Name	Total Project Plan Estimate	FY 2024 Board	FY 2024 Board	CWIP Balance July 1, 2023	Activity through March 31, 2024	FY 2024	CWIP Balance March 31, 2024	Life to Date Capitalizations And Other Activity	Life to Date Activity Through March 31, 2024	Life to Date Activity / Total Project Plan
				Approved CIP	With Project Amendments			Capitalizations And Other				
Field Services - Water	122003	New Waterworks Park to Northeast Transmission Main	38,764,909	144,420	144,420	-	-	-	-	29,790,267	29,790,267	77%
	122004	96-inch Main Relocation, Isolation Valves Installations, and New Parallel Main	235,133,772	85,217,371	33,352,071	50,857,698	26,757,278	-	77,614,976	148,741	77,763,717	33%
	122005	Replacement Schoolcraft Watermain	18,645,713	-	-	3,396,485	(97,615)	-	3,298,870	13,656,834	16,955,705	91%
	122006	Transmission System Water Main Work-Wick Road Parallel Water Main	26,261,331	-	373,500	4,301,439	995,863	-	5,297,302	20,751,264	26,048,566	99%
	122007	Design and Construction of a new Newburgh Road 24" Main along Newburgh Road between Ch	26,209,246	-	-	-	-	-	-	-	-	0%
	122011	Park-Merriman Water Main-Final Phase	10,202,576	-	-	-	2,201	2,201	2,201	6,832,945	6,835,145	67%
	122012	36-inch Water Main in Telegraph Road	9,986,284	-	-	-	-	-	-	9,986,284	9,986,284	100%
	122013	Lyon Township Transmission Main Extension Project	113,979,416	27,027,177	35,964,577	57,111,557	27,350,861	-	84,462,418	17,510,830	101,973,248	89%
	122016	Downriver Transmission Loop	69,991,506	5,308,831	5,308,831	2,831,943	260,403	-	3,092,346	-	3,092,346	4%
	122017	7 Mile/Nevada Transmission Main Rehab and Carrie/Nevada Flow Control Station	13,118,300	3,389,881	4,014,881	-	3,898,028	-	3,898,028	-	3,898,028	30%
	122018	Garland, Hurlbut, Bewick Water Transmission System Rehabilitation	3,319,270	30,693	30,693	-	-	-	-	-	-	0%
	122019	Jefferson Main Replacement	40,135,983	-	-	1,097,554	91,561	-	1,189,115	-	1,189,115	3%
Field Services - Water Total			605,748,307	121,118,374	79,188,974	119,596,676	59,258,580	-	178,855,256	98,677,166	277,532,421	46%
Programs - Water	170102	Water Production Plant Flow Metering Improvements at NE, SP & SW WTP	373,640	-	-	-	-	-	-	373,640	373,640	100%
	170109	Inspection of Raw Water Intakes and Tunnels	1,787,968	-	-	-	-	-	-	-	-	0%
	170300	Water Treatment Plant Automation Program	23,317,393	-	-	-	-	-	-	-	-	0%
	170301	Water Plant Automation	1,755,142	-	-	-	-	-	-	-	-	0%
	170302	SW WTP SCADA Improvements	8,284,006	4,731,318	4,731,318	5,541,977	1,383,453	-	6,925,430	-	6,925,430	84%
	170303	WWP WTP Power Monitoring Installation	1,862,773	-	-	-	-	-	-	1,811,356	1,811,356	97%
	170304	WWP WTP SCADA Upgrade	500,906	-	-	654,940	(3,956)	-	650,984	-	650,984	130%
	170305	WWP SCADA Network Upgrade	7,542,009	-	-	-	-	-	-	-	-	0%
	170306	SPW SCADA PLC Network Upgrade	6,780,215	-	-	-	-	-	-	-	-	0%
	170400	Water Transmission Improvement Program	32,174,788	-	-	-	-	-	-	-	-	0%
	170401	Emergency Bypass Around Ypsilanti Station	2,633,282	-	-	-	-	-	-	2,633,282	2,633,282	100%
	170500	Transmission System Valve Assessment and Rehabilitation/Replacement Program	59,296,473	1,616,517	(83)	-	-	-	-	-	-	0%
	170502	Transmission System Valve Assessment and Rehabilitation/Replacement A	5,608,711	-	-	-	-	-	-	7,689,584	7,689,584	137%
	170503	Transmission System Valve Assessment and Rehabilitation/Replacement B	14,966,270	919,721	3,789,621	13,180,210	2,446,027	-	15,626,238	-	15,626,238	104%
	170504	Repair of WTM, Valves, & Priority Repair	18,400,000	549,168	2,713,568	9,219,808	540,348	-	9,760,156	-	9,760,156	53%
	170600	Water Transmission Main Asset Assessment Program	80,112,552	30,935	30,935	-	-	-	-	-	-	0%
	170601	Linear System Integrity Program	47,607,411	111,943	111,943	-	105,943	-	105,943	-	105,943	0%
	170602	36" 24 Mile Rd. Transmission Main Condit	-	-	-	-	114,243	-	114,243	-	114,243	0%
	170801	Reservoir Inspection, Design and Rehabilitation	25,385,252	2,570,361	2,570,361	14,494,537	1,888,116	(55,620)	16,438,273	8,711,214	25,149,487	99%
	170802	Reservoir Inspection, Design	47,175,002	9,292,018	7,764,018	2,460,276	3,810,371	-	6,270,647	-	6,270,647	13%
	170803	Reservoir Inspection, Design, and Construction Mangement Services Phase III	94,432,172	-	-	-	-	-	-	-	-	0%
	170900	Suburban Water Meter Pit Rehabilitation and Meter Replacement Program	33,108,255	-	-	-	-	-	-	-	-	0%
	170901	Suburban Water Meter Pit Rehabilitation and Meter Replacement	12,410,811	-	-	4,707,563	-	-	4,707,563	7,703,013	12,410,576	100%
	170902	Brownstown Meter Pit Rehabilitation	175,992	-	-	-	-	-	-	-	-	0%
	170904	Phase II Wholesale Water Meter Pit Rehab	15,686,352	1,600,000	1,600,000	-	1,067,513	-	1,067,513	-	1,067,513	7%
	171500	Roof Replacement - Var Facilities Program	15,948,441	-	-	-	-	-	-	-	-	0%
	171501	Roof Replacements - Var Facilities Program	3,354,843	-	-	-	-	-	-	3,354,843	3,354,843	100%
	171502	Lake Huron and Southwest Roof Replacement	2,709,759	-	-	-	-	-	-	-	-	0%
Programs - Water Total			563,390,417	21,421,981	23,311,681	50,259,310	11,352,059	(55,620)	61,666,989	32,276,931	93,943,920	17%
Security	341001	Security Infrastructure Improvements	5,258,442	-	-	-	-	-	-	10,357,757	10,357,757	197%
Security Total			5,258,442	-	-	-	-	-	-	10,357,757	10,357,757	197%
Systems Control Center	132003	Isolation Gate Valves for Line Pumps for West Service Center Pumping Station	1,742,479	-	-	-	-	-	-	1,742,479	1,742,479	100%
	132006	Pressure and Control Improvements at the Electric, Ford Road, Michigan, and West Chica	3,227,776	-	-	-	-	-	-	3,226,045	3,226,045	100%
	132007	Energy Management: Freeze Protection Pump Installation at Imlay Pumping Station	5,754,204	902,113	902,113	5,180,944	(94,137)	-	5,086,807	-	5,086,807	88%
	132010	West Service Center/Duval Rd Division Valve Upgrades	47,770,838	4,758,831	4,071,531	42,921,051	2,349,892	-	45,270,942	-	45,270,942	95%
	132012	Ypsilanti PS Improvements	43,394,088	701,075	897,675	2,443,545	127,970	-	2,571,515	-	2,571,515	6%

Construction Work-in-Progress Quarterly Report

As of March 31, 2024

Great Lakes Water Authority
 B3 - Water System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Project Category	Project	Project Name	Total Project Plan Estimate	FY 2024 Board	FY 2024 Board	CWIP Balance July 1, 2023	Activity through March 31, 2024	FY 2024	CWIP Balance March 31, 2024	Life to Date Capitalizations And Other Activity	Life to Date Activity Through March 31, 2024	Life to Date Activity / Total Project Plan
				Approved CIP	With Project Amendments			And Other				
Systems Control Center	132014	Adams Road Booster Pumping Improvements	61,777,803	-	-	102,450	-	-	102,450	-	102,450	0%
	132015	Newburgh BPS	46,396,137	-	-	1,232,925	15,953	-	1,248,878	30,000	1,278,878	3%
	132016	North Service Center BPS Improvements	239,583,663	4,023,590	4,023,590	1,195,463	722,087	-	1,917,550	-	1,917,550	1%
	132018	Schoolcraft BPS	24,690,695	-	-	-	-	-	-	-	-	0%
	132019	Wick Road BPS - Switchgear	24,788,064	-	-	64,610	-	-	64,610	-	64,610	0%
	132020	Franklin BPS - Isolation Gate Valves	60,919,247	-	-	94,688	-	-	94,688	-	94,688	0%
	132021	Imlay BPS - Replace VFDs, Pumps & Motors	138,010,874	-	-	270,211	-	-	270,211	-	270,211	0%
	132022	Joy Road BPS - Replace Reservoir Pumps	39,857,253	-	-	-	-	-	-	-	-	0%
	132025	Northwest Booster Station Yard Piping Improvements	19,335	-	-	-	-	-	-	-	-	0%
	132026	Franklin Pumping Station Valve Replacement	986,376	-	-	-	-	-	-	975,327	975,327	99%
	Systems Control Center Total			738,918,834	10,385,609	9,894,909	53,505,887	3,121,765	-	56,627,652	5,973,851	62,601,503
Water Treatment Plants & Facilities	111001	Energy Management: Lake Huron Water Treatment Plant Low Lift Pumping Improvements	140,410,608	1,553,101	1,553,101	3,536,463	729,443	-	4,265,906	-	4,265,906	3%
	111002	LHWTP Backflow Replacement	8,717,768	-	-	-	-	-	-	8,717,768	8,717,768	100%
	111004	Electrical Tunnel Rehabilitation at Lake Huron WTP	3,806,475	-	-	-	-	-	-	3,892,299	3,892,299	102%
		Water Supply Pumping Assessment Study	85,824	-	-	-	-	-	-	-	-	0%
		Replacement of Filter Instrumentation and Raw Water Flow Metering Improvements at Lake	40,356,342	1,026,425	2,025,425	1,381,273	2,103,787	-	3,485,060	-	3,485,060	9%
	111006	Lake Huron WTP-Raw Sludge Clarifier and Raw Sludge Pumping System Improvements	8,867,103	-	-	-	-	-	-	8,867,103	8,867,103	100%
	111008	LHWTP Architectural Programming - Lab	782,112	-	-	-	-	-	-	-	-	0%
	111009	Lake Huron WTP-35 MGD HLP, Flow Meters	31,003,499	12,609,506	12,609,506	4,699,252	4,522,424	-	9,221,676	-	9,221,676	30%
		Lake Huron Water Treatment Plant-Filtration and Pretreatment Improvements	58,638,596	-	-	-	-	-	-	-	-	0%
	111011	Lake Huron WTP Pilot Plant	3,267,770	-	-	-	67,552	-	67,552	3,076,105	3,143,657	96%
	111012	LHWTP-Flocculation Improvements	51,331,404	1,786,838	1,786,838	741,978	267,711	-	1,009,689	-	1,009,689	2%
	111013	LH WTP Fireloop & Plant Water Improvements	10,055,000	-	-	3,308	936	-	4,244	-	4,244	0%
	112001	Yard Piping Replacement at Northeast Water Treatment Plant	0	-	-	-	-	-	-	-	-	0%
	112002	Low Lift Pumping Plant Caisson Rehabilitation at Northeast WTP	1,169,962	-	-	-	-	-	-	1,169,962	1,169,962	100%
	112003	NE WTP High Lift Pumping Electrical	171,678,100	-	-	557,608	1,948	-	559,557	-	559,557	0%
		Northeast Water Treatment Plant - Replacement of Covers for Process Water Conduits	937,879	-	-	-	-	-	-	937,879	937,879	100%
	112006	Northeast Water Treatment Plant Flocculator Replacements	13,446,475	2,637,134	2,637,134	4,066,122	1,352,837	-	5,418,959	-	5,418,959	40%
	112007	NE WTP Structural Repair of Slab and Bea	6,685,115	140,039	140,039	235,924	-	-	235,924	-	235,924	4%
	112008	Northeast WTP Filter Replacement	-	-	-	-	74,435	-	74,435	-	74,435	0%
	113001	Southwest Water Treatment Plant, Sludge Treatment & Waste Wash water Treatment Facilit	23,765	-	-	-	-	-	-	171,079	171,079	720%
		High Lift Pump Discharge Valve Actuators Replacement at Southwest WTP	5,798,925	-	-	-	-	-	-	5,798,535	5,798,535	100%
	113003	Replacement of Butterfly Valves	162,109,919	-	-	-	-	-	-	-	-	0%
	113006	SW WTP Chloring Scrubber	7,326,664	12,674	12,674	3,156,493	436	3,156,493	436	6,107,634	6,108,070	83%
	113007	Architectural and Building Mechanical	8,640,647	-	-	-	4,149	-	4,149	-	4,149	0%
	113009	SW WTP Flight and Chain Upgrades	5,127,222	1,454,020	1,454,020	20,182	222,259	-	242,441	-	242,441	5%
	113010	SW WTP Flocculation Improvements	-	-	-	-	395	-	395	-	395	0%
	114001	Springwells Water Treatment Plant 1958 Filter Rehabilitation and Auxiliary Facilities	99,764,892	-	-	-	-	-	-	99,764,892	99,764,892	100%
114002	Springwells Water Treatment Plant - Low Lift and High Lift Pump Station	315,711,970	22,554,711	22,554,211	26,617,698	10,383,612	-	37,001,309	-	37,001,309	12%	
	Water Production Flow Metering Improvements at NE, SW, and SPW WTP	8,208,286	-	-	-	-	-	-	8,167,884	8,167,884	100%	
114005	Springwells WTP Admin Building Improvements	7,138,425	-	-	1,320,522	-	-	1,320,522	-	1,320,522	18%	
	1930 Sedimentation Basin Sluice Gates, Guides & Hoists Improvements at Springwells WTP	14,105,567	-	-	404,500	1,058,603	-	1,463,103	11,738,479	13,201,582	94%	
114010	Yard Piping Improvements	218,637,731	-	-	1,807,946	-	-	1,807,946	-	1,807,946	1%	
	Steam, Condensate Return, and Compressed Air Piping Improvements at Springwells WTP	28,264,192	1,281,100	1,281,100	1,328,244	943,095	-	2,271,338	24,356,450	26,627,788	94%	
114012	Springwells Water Treatment Plant 1930 Filter Building-Roof Replacement	3,911,148	-	-	-	-	-	-	3,911,148	3,911,148	100%	
114013	Springwells Reservoir Fill Line Improvements	4,731,850	-	-	-	-	-	-	4,706,751	4,706,751	99%	
114016	Springwells Water Treatment Plant 1958 Settled Water Conduits Concrete Pavement Replacement	1,567,531	-	-	-	-	-	-	1,566,470	1,566,470	100%	
114017	Springwells Water Treatment Plant Flocculator Drive Replacement	27,798,446	6,004,206	6,960,006	1,065,249	5,120,384	-	6,185,633	-	6,185,633	22%	

Construction Work-in-Progress Quarterly Report

As of March 31, 2024

Great Lakes Water Authority
 B3 - Water System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Project Category	Project	Project Name	Total Project Plan Estimate	FY 2024 Board	FY 2024 Board	CWIP Balance July 1, 2023	FY 2024	FY 2024 Capitalizations	CWIP Balance March 31, 2024	Life to Date	Life to Date	Life to Date	
				Approved CIP	With Project Amendments		Activity through March 31, 2024	And Other Activity Through March 31, 2024		Capitalizations And Other Activity	Activity Through March 31, 2024	Activity / Total Project Plan	
Water Treatment Plants & Facilities	114018	Springwells Water Treatment Plant - Service Building Electrical Substation and Miscellaneous Improvements	2,340,568	-	-	-	-	-	-	-	-	0%	
	115001	Yard Piping, Valves and Venturi Meters Replacement at Water Works Park	56,073,058	10,657,254	10,657,254	29,220,784	8,617,894	-	37,838,677	-	37,838,677	67%	
	115003	Comprehensive Condition Assessment at Waterworks Park WTP	514,004	-	-	-	-	-	-	-	-	0%	
	115004	Water Works Park WTP Chlorine System Upgrade	6,966,596	-	-	-	-	-	-	6,966,596	6,966,596	100%	
	115005	WWP WTP Building Ventilation Improvements	16,541,211	5,579,579	5,579,579	5,941,878	6,221,242	-	12,163,119	-	12,163,119	74%	
	115006	Water Works Park Site/Civil Improvements	5,895,650	-	-	-	-	-	-	-	-	0%	
	115007	Water Works Park High Lift Pumping Station Modernization	115,089,667	-	-	-	-	-	-	-	-	0%	
	115009	Water Works Park Sedimentation Basins Structural Upgrades	16,845,902	-	-	-	-	-	-	-	-	0%	
	116002	Pennsylvania, Springwells and Northeast Raw Water Supply Tunnel Improvements based on	99,061,811	15,334,209	15,334,209	64,619,456	9,260,027	-	73,879,482	4,685,231	78,564,714	79%	
	116005	Belle Isle Seawall Rehabilitation	2,294,679	737,140	737,140	157,201	98,748	-	255,949	-	255,949	11%	
	116006	Belle Isle Intake System Rehabilitation and Improvements	2,221,841	-	-	-	-	-	-	-	-	0%	
	116007	System Electrical Power Improvements	4,010,060	2,286,109	2,286,109	-	-	-	-	-	-	0%	
	Water Treatment Plants & Facilities Total			1,797,962,260	85,654,045	87,608,345	150,882,080	51,051,915	3,156,493	198,777,502	204,602,263	403,379,765	22%
	Programs - Centralized Services	380700	As-needed Engineering Services for Concrete Testing, Geotechnical Soil Borings, other Testing Services, and Related Services Allowance	10,820	-	-	-	-	-	-	-	-	0%
381000		Energy Management: Electric Metering Improvement Program	5,125,444	679,554	679,554	-	-	-	-	-	-	0%	
381001		Masonry Replacement and Rehabilitation Program	2,498,482	-	-	-	-	-	-	-	-	0%	
383300		Masonry Replacement and Rehabilitation Program	25,000,001	-	-	-	-	-	-	-	-	0%	
Programs - Centralized Services Total			32,634,746	679,554	679,554	-	-	-	-	-	-	0%	
Energy Mangement	351001	Water Facility Lighting Renovations	6,667	-	-	-	-	-	-	-	-	0%	
Energy Mangement Total			6,667	-	-	-	-	-	-	-	-	0%	
Grand Total			3,743,919,674	239,259,562	200,683,462	374,243,953	124,784,320	3,100,873	495,927,399	351,887,968	847,815,366	23%	

Construction Work-in-Progress Quarterly Report

As of March 31, 2024

Great Lakes Water Authority
 B4 - Wastewater System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Project Category	Project	Project Name	Total Project Plan Estimate	FY 2024 Board			FY 2024		FY 2024 Capitalizations		Life to Date Capitalizations And Other Activity	Life to Date Activity through March 31, 2024	Life to Date Activity / Total Estimate
				Approved CIP	With Project Amendments	CWIP Balance July 1, 2023	Activity through March 31, 2024	Activity Through March 31, 2024	CWIP Balance March 31, 2024				
CSO Facilities													
	270001	Pilot CSO Netting Facility	37,884,356	-	-	2,207	11,465	-	13,672	-	-	0%	
	270002	Meldrum Sewer Diversion and VR-15 Improvements	6,400,507	-	-	-	-	-	-	-	-	0%	
	270003	Long Term CSO Control Plan	12,058,497	2,268,939	2,268,939	-	551,068	-	551,068	-	551,068	5%	
	270004	Oakwood Lieb CSO Facility Improvement	42,595,642	2,284,906	2,284,906	2,070,852	2,025,482	-	4,096,335	-	4,096,335	10%	
	270006	Control System Upgrades - Baby Creek/Belle	20,538,416	1,477,523	1,477,523	1,103,959	1,233,022	-	2,336,981	-	2,336,981	11%	
	270007	Disinfection System Improvements at CSO	8,345,855	-	-	1,247	28,618	-	29,865	-	29,865	0%	
	270008	Flushing System Improvements at Conner Creek and St. Aubin CSO Facilities	7,070,077	-	-	-	-	-	-	-	-	0%	
	270009	Site Improvements at St. Aubin, Belle Isle, and Baby Creek CSO Facilities	1,389,999	-	-	-	-	-	-	-	-	0%	
	270010	HVAC Improvements at Puritan Fenkell and Seven Mile CSO Facilities	1,579,434	15,754	15,754	8,756	11,538	-	20,294	-	20,294	1%	
	270011	HVAC Improvements at Conner Creek and Belle Isle CSO Facilities	418,049	-	-	-	-	-	-	-	-	0%	
	270012	Control System Upgrades at Conner Creek, Oakwood, and Puritan Fenkell CSO Facilities	5,974,808	-	-	-	-	-	-	-	-	0%	
	270013	Facility Improvements at Puritan Fenkell and Seven Mile CSO Facilities	902,132	-	-	-	-	-	-	-	-	0%	
	270014	Convert to Complete Capture Basin CSO Fa	4,482,478	-	-	-	-	-	-	-	-	0%	
	273001	Hubbell Southfield CSO Facility Improvement	54,621,097	227,885	227,885	438,459	1,178,789	-	1,617,248	-	1,617,248	3%	
	273002	CSO Hubbell Southfield VR-8 Gate Improvements	1,785,839	-	-	-	-	-	-	-	-	0%	
	276002	Replacement Make-up Air Unit at CON	357,212	-	-	611	-	-	611	347,996	348,607	98%	
	277001	Baby Creek Outfall Improvements Project	16,312,714	3,303,128	3,303,128	1,650,965	2,782,892	-	4,433,857	389,300	4,823,157	30%	
	277002	Baby Creek CSO Facility Influent Flushing System	744,959	-	-	-	-	-	-	-	-	0%	
CSO Facilities Total			223,462,073	9,578,136	9,578,136	5,277,057	7,822,875	-	13,099,931	737,296	13,837,228	6%	
Facilities	331002	Roofing Systems Replacement at GLWA Wastewater Treatment Plant, CSO Retention Treatment Basins (RTB) and Screening Disinfection Facilities (SDF)	1,123,056	-	-	-	-	-	-	1,123,056	1,123,056	100%	
Facilities Total			1,123,056	-	-	-	-	-	-	1,123,056	1,123,056	100%	
Field Services - Wastewater													
	222001	Intercommunity Relief Sewer Modifications in Detroit Oakwood District	81,428,171	-	-	2,609,882	208,013	-	2,817,895	-	2,817,895	3%	
	222002	Detroit River Interceptor Evaluation and Rehabilitation	117,561,404	17,254,477	17,254,477	51,063,141	4,984,807	-	56,047,949	-	56,047,949	48%	
	222004	Collection System Valve Remote Operation Structures Improvements	4,246	-	-	-	-	-	-	-	-	0%	
	222008	North Interceptor East Arm (NIEA)	4,500,000	2,520,548	2,520,548	-	-	-	-	-	-	0%	
Field Services - Wastewater Total			203,493,821	19,775,025	19,775,025	53,673,024	5,192,820	-	58,865,844	-	58,865,844	29%	
Programs													
	260200	Sewer and Interceptor Evaluation and Rehabilitation Program	9,171,910	17,224	17,224	-	-	-	-	-	-	0%	
	260201	Conveyance System Interceptor Rehab	41,527,234	1,107,291	1,107,291	20,225,624	74,665	-	20,300,289	18,542,127	38,842,416	94%	
	260202	Conveyance System Interceptor Rehab	4,457	-	-	1,904	-	-	1,904	-	1,904	43%	
	260204	Energy Services for Rehabilitation of Conveyance Sewer System	57,525,481	16,922,618	17,695,018	10,043,555	7,782,438	-	17,825,993	-	17,825,993	31%	
	260205	NWI Outfall Rehabilitation	7,734,426	4,232,450	4,232,450	2,303,696	2,765,770	-	5,069,466	-	5,069,466	66%	
	260206	Conveyance System Rehabilitation - Interceptors	23,141,361	8,166,750	8,166,750	1,197,436	2,968,859	-	4,166,295	-	4,166,295	18%	
	260207	Rehabilitation of Woodward Sewer System	23,229,319	6,721,768	7,216,568	12,008,292	7,245,325	-	19,253,617	-	19,253,617	83%	
	260208	Linwood/Lonyo/Ashland/2nd Ave/Shiawassee	36,754	-	-	-	-	-	-	-	-	0%	
	260209	Sewer Repair Contract - As Needed	14,965,035	7,479,694	7,194,694	2,098,083	993,120	-	3,091,203	-	3,091,203	21%	
	260210	Linwood/Lonyo/Ashland/2nd Ave/Shiawassee	36,341,245	1,521,537	1,521,537	320,171	961,887	-	1,282,058	-	1,282,058	4%	
	260211	Sewer Repair Contract II	-	-	285,000	-	-	-	1,958	-	1,958	0%	
	260500	CSO Outfall Rehab	7,636,110	-	-	-	-	-	-	-	-	0%	
	260504	Rehabilitation of Outfalls - Phase II	4,923,589	-	-	-	-	-	-	4,923,589	4,923,589	100%	
	260505	Rehabilitation of Outfalls - Phase IV	5,709,224	-	-	-	-	-	-	5,709,659	5,709,659	100%	
	260506	Pilot Regulator Orifice Expansion	(78,641)	-	-	-	-	-	-	-	-	0%	
	260508	B-39 Outfall Rehab	10,705,611	4,377,004	4,377,004	6,031,942	4,404,731	-	10,436,673	-	10,436,673	97%	
	260509	B-40 Outfall Rehab	112,591	-	-	112,591	-	-	112,591	-	112,591	100%	
	260510	Conveyance System Rehabilitation - Outfalls	24,947,182	4,826,857	4,826,857	1,871,607	1,602,344	-	3,473,951	-	3,473,951	14%	
	260600	CSO Facilities Improvements	1,021,441,117	2,120,493	2,120,493	-	-	-	-	-	-	0%	
	260601	Oakwood Drain Valve Improvements	804,574	-	-	-	-	-	-	804,574	804,574	100%	
	260602	CSO Fire Alarm System Improvements	1,017,691	-	-	-	-	-	-	997,619	997,619	98%	
	260603	Conner Creek CSO Basin Rehab	7,982,176	-	-	-	-	-	-	7,675,407	7,675,407	96%	
	260606	Puritan Fenkell Roof Replacement	346,540	-	-	-	-	-	-	346,540	346,540	100%	
	260607	Lieb SDF Electrical Improvements	1,032,508	-	-	-	-	-	-	1,032,508	1,032,508	100%	
	260608	Seven Mile RTB - Roof Replacement	496,699	-	-	-	-	-	-	496,699	496,699	100%	
	260609	Seven Mile RTB - Parking Lot / Sitework	429,557	-	-	-	-	-	-	429,557	429,557	100%	
	260610	Baby Creek MAU Replacement	275,151	-	-	-	-	-	-	275,151	275,151	100%	
	260611	HVAC Improvements At Lieb SDF	412,590	-	-	-	-	-	-	412,590	412,590	100%	
	260613	Baby Creek HVAC Improvements	545,401	-	-	-	-	-	-	545,401	545,401	100%	
	260614	CSO Facilities Structural Improvements	15,427,766	2,346,731	2,810,031	12,303,538	1,647,275	-	13,950,813	-	13,950,813	90%	
	260615	PF & Lieb CSO Facilities Site & Drainage Improvements	457,982	-	-	-	-	-	-	582,444	582,444	127%	
	260616	Baby Creek SCO Anchor & Wedge Improvements	771,846	-	-	-	-	-	-	770,114	770,114	100%	
	260617	St. Aubin Chemical Disinfection Improvements	417,052	-	-	-	-	-	-	-	-	0%	
	260618	Oakwood HVAC Improvements	6,933,584	-	-	5,620,944	592,877	-	6,213,821	-	6,213,821	90%	
	260619	Control System Upgrade At St. Aubin, Lieb and 7 Mile	7,972,657	3,868,475	3,868,475	1,050,133	1,369,544	-	2,419,676	-	2,419,676	30%	
	260620	Baby Creek Roof Replacement	984,552	-	-	-	-	-	-	984,552	984,552	100%	
	260621	Connor Creek Berm Improvements	2,255,349	-	-	4,749	(2,374)	-	2,374	2,244,862	2,247,237	100%	
	260622	CSO Facilities Emergency Generator Improvements	1,376,296	-	-	978,411	138,916	-	978,411	138,916	1,117,328	81%	

Construction Work-in-Progress Quarterly Report

As of March 31, 2024

Great Lakes Water Authority
 B4 - Wastewater System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Project Category	Project	Project Name	Total Project Plan Estimate	FY 2024 Board			FY 2024		FY 2024 Capitalizations		Life to Date Capitalizations And Other Activity	Life to Date Activity through March 31, 2024	Life to Date Activity / Total Project Plan Estimate
				FY 2024 Board Approved CIP	FY 2024 Board With Project Amendments	CWIP Balance July 1, 2023	Activity through March 31, 2024	Activity Through March 31, 2024	CWIP Balance March 31, 2024				
Programs													
	260623	Baby Creek Screen Rehabilitation	2,393,230	1,048,740	1,048,740	1,447,517	607,570	-	2,055,087	-	2,055,087	86%	
	260700	Sewer System Infrastructure Improvements & Pumping Stations	1,025,068	49,456	49,456	-	-	-	-	-	-	0%	
	260701	Conveyance System Infrastructure Improvements	58,453,030	19,310,035	19,310,035	13,177,646	15,652,515	-	28,830,160	-	28,830,160	49%	
	260702	Pump Station Assets Updates	10,065,000	-	-	-	-	-	-	-	-	0%	
	260800	WRRF Roof Replacement Program	14,833,388	-	-	-	-	-	-	-	-	0%	
	260801	WRRF Sludge Pump Station #3 Roof Replacement	80,463	-	-	-	-	-	-	80,463	80,463	100%	
	260802	2022 WRRF Roof Improvements Project	5,071,571	2,349,455	2,349,455	302,060	166,096	-	468,156	-	468,156	9%	
	260900	WRRF Facility Optimization Program	85,771,290	52,706	52,706	-	-	-	-	-	-	0%	
	260901	Rehab. Hazmat Facility at WRRF	3,506,846	1,409,318	1,409,318	329,597	1,631,773	-	1,961,370	-	1,961,370	56%	
	260902	WRRF Renovation of 4th Floor	3,719,708	1,043,763	1,043,763	3,143,292	319,935	-	3,463,227	-	3,463,227	93%	
	260903	WRRF Front Entrance Rehab.	7,817,069	2,475,342	2,475,342	367,597	866,289	-	1,233,886	-	1,233,886	16%	
	260904	WRRF 3rd Floor Renovation	3,546,009	14,026	14,026	68,417	47,883	-	116,299	-	116,299	3%	
	260905	WRRF Plumbing Shop Rehab	2,669,399	1,144,117	1,144,117	134,360	860,293	-	994,653	-	994,653	37%	
	261000	WRRF Rehabilitation of Secondary Clarifiers	41,637,242	-	-	-	-	-	-	-	-	0%	
	261001	Rehabilitation of Secondary Clarifiers	18,941,302	161,360	161,360	26,712	20,635	-	47,347	-	47,347	0%	
Programs Total			1,598,544,588	92,767,210	94,497,710	95,169,871	52,720,324	978,411	146,911,784	47,832,267	194,744,051	12%	
Programs - Water	171501	Roof Replacements - Var Facilities Program	-	-	-	-	-	-	-	83,000	83,000	0%	
Programs - Water Total										83,000	83,000	0%	
Security	341002	Security Infrastructure Improvements	2,362,970	-	-	-	-	-	-	3,200,851	3,200,851	135%	
Security Total			2,362,970							3,200,851	3,200,851	135%	
Systems Control Center	232001	Fairview Pumping Station - Replace Four Sanitary Pumps	46,124,283	2,479,602	2,479,602	43,849,170	995,200	-	44,844,369	-	44,844,369	97%	
	232002	Freud and Connor Creek Pump Station Improvements	464,091,911	21,815,785	21,815,785	12,238,422	3,012,386	-	15,250,808	6,103,686	21,354,494	5%	
	233003	Rouge River In-system Storage Devices	81,335,735	-	-	-	-	-	-	-	-	0%	
Systems Control Center Total			591,551,929	24,295,387	24,295,387	56,087,591	4,007,586		60,095,177	6,103,686	66,198,863	11%	
Water Resource Recovery Facility	211001	Rehabilitation of Primary Clarifiers Rectangular Tanks, Drain Lines, Electrical/Mechanical Building and Pipe Gallery	54,737,713	-	-	-	-	-	-	54,748,738	54,748,738	100%	
	211002	Pump Station No. 2 Pumping Improvements	3,737,135	164,894	164,894	2,654,703	85,083	2,654,703	85,083	2,654,703	2,739,786	73%	
	211004	Pump Station 1 Rack & Grit and MPI Sampling Station 1 Improvements	28,488,884	-	-	-	-	-	-	27,895,001	27,895,001	98%	
	211005	Pump Station No. 2 Improvements	83,607,696	1,642,063	1,642,063	379,595	114,875	-	494,470	-	494,470	1%	
	211006	Pump Station No. 1 Improvements	110,959,522	15,843,863	22,296,763	11,410,932	5,298,626	-	16,709,558	-	16,709,558	15%	
	211007	Replacement of Bar Racks and Grit Collection System at Pump Station No. 2	122,757,265	4,814,699	5,310,899	8,777,838	139,089	-	8,916,927	-	8,916,927	7%	
	211008	Rehabilitation of Ferric Chloride Feed systems at the Pump Station -1 and Complex B Sludge Lines	12,756,072	1,540,577	1,540,577	10,478,819	1,863,322	-	12,342,142	-	12,342,142	97%	
	211009	Rehabilitation of the Circular Primary Clarifier Scum Removal System	23,215,192	-	-	549,344	491	-	549,835	-	549,835	2%	
	211010	Rehabilitation of Sludge Processing Complexes A and B	14,104,223	-	-	94,337	-	-	94,337	-	94,337	1%	
	211011	WRRF PS1 Screening and Grit Improvements	99,386,498	1,637,866	1,637,866	27,289	1,143,949	-	1,171,238	-	1,171,238	1%	
	212003	Aeration System Improvements	16,524,875	-	-	-	-	-	-	16,524,875	16,524,875	100%	
	212004	Project Chlorination/Dechlorination Process Equipment Improvements	5,650,501	-	-	-	-	-	-	5,652,101	5,652,101	100%	
	212006	PC-797 Rouge River Outfall Disinfection and CS-1781 Oversight Consulting Services Contract	43,788,731	-	-	-	-	-	-	43,788,731	43,788,731	100%	
	212007	Rehabilitation of the Secondary Clarifiers	2,645	-	-	-	-	-	-	-	-	0%	
	212008	WRRF Rehabilitation of Intermediate Lift	194,787,461	10,876,684	10,876,684	1,195,891	204,616	-	1,400,507	-	1,400,507	1%	
	212009	WRRF Aeration Improvements 3 and 4	69,528,226	-	-	-	-	-	-	-	-	0%	
	212010	WRRF Conversion of Disinfection of all Flow to Sodium Hypochlorite and Sodium Bisulfite	6,231,557	-	-	-	-	-	-	-	-	0%	
	213006	Improvements to Sludge Feed Pumps at Dewatering Facilities	17,944,119	1,050,206	1,050,206	746,836	1,281,058	-	2,027,894	-	2,027,894	11%	
	213007	Construction of the Improved Sludge Conveyance and Lighting System at the WWTP	25,470,489	709,475	709,475	22,852,865	402,196	22,852,865	402,196	22,852,865	23,255,060	91%	
	213008	Rehabilitation of the Wet and Dry Ash Handling Systems	7,183,909	-	-	151,058	-	-	151,058	-	151,058	2%	
	213009	Phosphorous Recovery Facility at the WRRF	335,447,898	-	-	10,848	4,112	-	14,960	-	14,960	0%	
	214001	Relocation of Industrial Waste Division and Analytical Laboratory Operations	14,791,656	-	-	-	-	-	-	14,300,183	14,300,183	97%	
	216004	Rehabilitation of Various Sampling Sites and PS# 2 Ferric Chloride System at WWTP	8,555,862	195,840	195,840	7,723,935	238,594	7,723,935	238,594	7,723,935	7,962,529	93%	
	216006	Rehabilitation of the Screened Final Effluent (SFE) Pump Station and Secondary Water System	31,871,434	8,215,922	6,538,522	5,982,678	2,442,283	-	8,424,960	-	8,424,960	26%	
	216007	DTE Primary Electric 3rd Feed Supply Line to the WRRF	3,996,247	-	-	-	-	-	-	4,008,247	4,008,247	100%	
	216008	Rehabilitation of Screened Final Effluent (SFE) Pump Station	101,100,651	2,693,951	3,182,551	3,711,028	643,140	-	4,354,168	-	4,354,168	4%	
	216009	Logistics & Material Facility	289,862	-	-	-	-	-	-	-	-	0%	
	216010	WRRF Facility Optimization	2,003	-	-	-	-	-	-	-	-	0%	
	216011	WRRF Structural Improvements	17,185,482	3,259,348	3,259,348	1,733,060	2,781,607	-	4,514,666	-	4,514,666	26%	
	216012	WRRF Research Facility	228,119	-	-	-	-	-	-	-	-	0%	
Water Resource Recovery Facility Total			1,454,331,929	52,645,387	58,405,687	78,481,057	16,643,039	33,231,503	61,892,593	200,149,380	262,041,972	18%	
Grand Total			4,074,870,364	199,061,145	206,551,945	288,688,600	86,386,644	34,209,914	340,865,330	259,229,535	600,094,865	15%	

Appendix C - Project Amendment Summaries

The purpose of the Project Amendment Summary is to illustrate the amendments to the current fiscal year board approved CIP for each project with an amendment resulting from the use of allowance and program funding for a specific amount necessitated by contract award.

The award of CIP contracts and the related execution thereof may result in deviation from the amount and timing of planned spend. Acknowledging the aforementioned deviation, project amendments are prepared to fund the related increase or decrease either to or from the Capital Reserve to amend the current fiscal year board approved Capital Improvement Plan accordingly and to inform decision makers in the development of future Capital Improvement Plans. Similar to the project amendments prepared for the Capital Reserve, project amendments are also prepared for contracts that are planned or funded by way of the CIP Program and Allowance accounts. As additional contracts are awarded, and other project information becomes available additional project amendments to and from the Capital Reserve will be prepared to amend the board approved FY 2024 Capital Improvement Plan.

(\$38,576,100) of Capital Reserve project amendments have been prepared as of March 31, 2024, as shown for the Water System in C1 – Water FY 2023 Project Amendment Summary with project amendments detailing the assignment of funding within Program and Allowance accounts. This year-to-date total illustrates a decreased use of reserves.

\$7,490,800 of Capital Reserve project amendments have been prepared as of March 31, 2024, as shown for the Wastewater system in C2 – Wastewater FY 2023 Project Amendment Summary with project amendments detailing the assignment of funding within Program and Allowance accounts.

These amendments are in alignment with the FY 2024-2028 CIP plan.

The order of these appendices on the subsequent pages are in ascending order by CIP project number.

Great Lakes Water Authority

C1 - Water System Project Amendment Summary

Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Project	Project Name	Capital Reserve	Grand Total
111006	Replace Instrumentation: LHWTP	999,000	999,000
114002	Springwells WTP Low and High Lift Improv	(500)	(500)
114017	SPW WTP Flocculator Drive Replacement	955,800	955,800
122004	96" Main Relocation, Isolation Valve Ins	(51,865,300)	(51,865,300)
122006	Transmission Work: Wick Road Parallel	373,500	373,500
122013	14 Mile Transmission Main Loop	8,937,400	8,937,400
122017	7 Mile/NV TM Rehab and Carrie/NV Flow CS	625,000	625,000
132010	Division Valves at West Service Center	(687,300)	(687,300)
132012	Ypsilanti Pumping Station Improvements	196,600	196,600
170500	Program: Transmission Valve Assessment	(1,616,600)	(1,616,600)
170503	Transmission System Valve Replacement Pa	2,869,900	2,869,900
170504	Repair of WTM, Valves, & Priority Repair	2,164,400	2,164,400
170802	Reservoir Inspection, Design	(1,528,000)	(1,528,000)
Grand Total		\$ (38,576,100)	\$ (38,576,100)

Great Lakes Water Authority

C2 - Wastewater System Project Amendment Summary

Unaudited Activity For the Fiscal Quarter Ended March 31st, 2024

Project	Project Name	Capital Reserve	Grand Total
211006	Pump Station #1 Main Lift Pumps Rehab	6,452,900	6,452,900
211007	Replacement of Bar Rack at Pump Station 2	496,200	496,200
216006	WRRF Yard Piping & Utility Rehab	(1,677,400)	(1,677,400)
216008	Rehabilitation of SFE Pump Station	488,600	488,600
260204	Eng Svcs for Rehab of Convey Sewer System	772,400	772,400
260207	Rehabilitation of Woodward Sewer System	494,800	494,800
260614	CSO Facilities - Structural Improvements	463,300	463,300
Grand Total		\$ 7,490,800	\$ 7,490,800



Welcome to the June edition of *The Procurement Pipeline*, a monthly newsletter designed to provide updates on doing business with the Great Lakes Water Authority (GLWA).

June Procurement Pause

During the month of June 2024, the GLWA Procurement Team has largely paused the advertisement of new solicitations in the Bonfire Procurement Portal and the issuance of new purchase orders (PO). This pause is allowing Procurement to migrate data on existing purchase orders and contracts into GLWA's new Enterprise Resource Planning (ERP) system Workday, which will launch on July 1, 2024.

With the new Workday ERP system, please note the following.

- GLWA will continue to use Bonfire as it has in the past for solicitations and contract management.
- For the most part, this transition will be seamless to the vendor community as it relates to procurement activity. In most instances, existing PO numbers and balances will be in the new system. In some instances, a new PO number may be issued; in those instances, a GLWA Buyer will contact the Vendor to arrange for a new purchase order.
- The new Workday PO will have a different look but will still contain the same information.
- PO's and Contracts will have a new numbering system, but the new system will track the old PO numbers.
- **There is no action required on your part.** Please continue to use the existing invoice information with your corresponding PO number. Continue to submit your payment requests to accountspayable@glwater.org;

Any questions related to the procurement transition can be sent to procurement@glwater.org

The **Accounts Payable Group** would like to note the following.

- All vendor payee information is being carried forward into the new system. For the vendors using the GLWA Direct to You ACH Program, there are no changes. **The bottom line is that there is no action required on your part to continue receiving payment due to the new system.**
- The issuance of checks will similarly be paused to allow for data migration. The payment runs for the weeks of July 5 and July 12 will be paused. Payments will begin to be issued in the new system the week of July 15.
- In order to process as many invoices as possible for payment on June 28, vendors were asked to submit payments by June 7 for Construction Pay Applications and June 14 for all other payment types. The GLWA teams are continuing to process as many payments as possible in June.
- GLWA team members are also being asked to provide vendor processing and approvals at the highest priority up until June 21 to support timely payment for our vendor community.
- The Accounts Payable team will be available to answer questions during the transition and can be reached at accountspayable@glwater.org.

Keeping up with GLWA

Our Chief Executive Officer (CEO) Monthly Report provides a wealth of information and news about important initiatives within GLWA's service territory that impact GLWA, its member partners, and the public. To read the Monthly Report, please [click here](#).

What's Coming Down the Pipe?

Current Solicitations: Register in GLWA's [Bonfire Procurement Portal](#) for new solicitations and contract award information.

Upcoming Procurements: Next Three to Nine Months— See newsletter page 2.

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Upcoming Solicitations June 2024

Category	CIP #	Description/Project Title	Budget
Water System (next four to nine months)			
Construction	111001	Lake Huron Water Treatment Plant – LH-401 Switchgear and Low Lift Improvements	\$100,000,000
Construction (Design Build)	112008	Northeast WTP Filter Replacement	\$85,550,000
Design	113010	Southwest WTP Flocculation Improvements	\$4,933,000
Construction	122016	Downriver Transmission Main Loop – Phase 1 – Inkster Rd	\$21,000,000
Wastewater Systems (next four to nine months)			
Construction	260510	CSO Outfall Rehabilitation Phase VI	\$10,000,000
Construction	260206	Rehabilitation of 7 Mile Sewer System	\$30,000,000
Construction	211005.2	WRRF Pump Station 2 VFD Replacements	\$12,000,000
Design	270007	CSO Facility Disinfection Improvements	\$2,000,000
Construction	270006	CSO Facility Improvements II	\$15,000,000
Water System (next three months)			
N/A			
Wastewater (next three months)			
Design	270001	Pilot Netting and Disinfection Facilities at B03, B04, and B05	\$8,000,000
Design	270010	Puritan Fenkell and Seven Mile HVAC improvements	\$1,200,000
Construction	232002	Conner Creek Pump Station Improvements	\$36,000,000
Projects moved to Procurement Team (Preparing for solicitation on Bonfire)			
Construction (Design Build)	122004	96-Inch Water Transmission Main Relocation - Phase III	\$90,000,000
Professional Services	O&M	Specialized Services – Staff Augmentation	\$12,550,000
Professional Services	O&M	Lake Huron Water Treatment Plant Sludge Removal and Disposal	\$3,300,000
Professional Services	O&M	Emergency Standby Generator Preventative Maintenance	\$2,910,225
Construction	170306	Instrumentation and Control System Plant - wide SCADA Upgrade	\$3,340,000
Professional Services	O&M	Internal Auditor Services	\$650,000
Professional Services	O&M	Environmental Health and Safety Assistance	\$2,000,000
Professional Services	O&M	Refuse and Recycling Waste Pickup and Disposal Services	\$655,000
Professional Services	O&M	Fleet Management Services Including Leasing and Upfitting Vehicles	\$14,667,500
Professional Services	O&M	Water and Wastewater Pumping Stations LED Lighting Upgrades	\$7,500,000
Professional Services	O&M	Staffing Services	\$750,000
Professional Services	O&M	Investment Services	\$2,200,000

Vendors should continue to monitor [Bonfire](#) for solicitation updates and status

Acronyms		
WRRF: Water Resource Recovery Facility	CSO: Combined Sewer Overflow	WTP: Water Treatment Plant



Welcome to the July edition of *The Procurement Pipeline*, a monthly newsletter designed to provide updates on doing business with the Great Lakes Water Authority (GLWA).

What is the Procurement Pipeline?

Each month GLWA distributes the Procurement Pipeline to vendors registered in Bonfire. This two-page newsletter is designed to be a quick read and update our vendor community about happenings with the Procurement Team and provide insight into upcoming solicitations over the next nine months. Also included are upcoming events where vendors can interact with members of the Procurement Team and links to various resources including the monthly CEO Report.

Page two of the Procurement Pipeline provides insight into upcoming solicitations. The information provided is a team effort between Procurement and our business units to provide an approximate timeline for upcoming project solicitations. GLWA realizes that many of our projects require vendors to partner with subcontractors to meet project requirements, so every effort is made to provide this valuable insight. Please note that each project listed is not a guarantee that a solicitation is forthcoming as priorities, funding and many other factors may change as projects are finalized. GLWA routinely receives positive feedback from our vendors on the value that this resource provides.

Please note that with many projects the Procurement Team is unable to provide information regarding project scope as our business partners are in the process of completing that information. In addition, GLWA promotes complete transparency and provides full and equal access to project information, so all vendors have equal access and fair competition.

Save the date. 2024 GLWA Vendor Outreach Event – September 26, 2024.

Planning is well underway for the 2024 GLWA Vendor Outreach Event. This year's event will take place at the Auburn Hills Marriott Pontiac, 3600 Centerpoint Pkwy, Pontiac, with registration beginning at 8 a.m. This half day event will feature presentations by members of the GLWA team and provide vendors the opportunity to interact with members of the Procurement Team and other GLWA team members.

Virtual Vendor Introduction Meetings

If you are interested in learning more about doing business with GLWA, contact us at GLWAVendorOutreach@glwater.org to schedule a virtual vendor introduction meeting. Topics include information on submitting a competitive bid or proposal to any GLWA solicitation.

Keeping Up with GLWA

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What's Coming Down the Pipe?

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Upcoming Solicitations July 2024

Category	CIP #	Description/Project Title	Budget
Water System (next four to nine months)			
Construction	111001	Lake Huron Water Treatment Plant – LH-401 Switchgear and Low	\$100,000,000
Construction (Design Build)	112008	Northeast WTP Filter Replacement	\$85,550,000
Design	113010	Southwest WTP Flocculation Improvements	\$4,933,000
Construction	122016	Downriver Transmission Main Loop – Phase 1 – Inkster Rd	\$21,000,000
Wastewater Systems (next four to nine months)			
Construction	260510	CSO Outfall Rehabilitation Phase VI	\$10,000,000
Construction	260206	Rehabilitation of 7 Mile Sewer System	\$30,000,000
Construction	211005.2	WRRF Pump Station 2 VFD Replacements	\$12,000,000
Design	270007	CSO Facility Disinfection Improvements	\$2,000,000
Construction	270006	CSO Facility Improvements II	\$15,000,000
Water System (next three months)			
Professional Services	O&M	Above/Below Ground Fuel System Maintenance	\$900,000
Wastewater (next three months)			
Design	270001	Pilot Netting and Disinfection Facilities at B03, B04, and B05	\$8,000,000
Design	270010	Puritan Fenkell and Seven Mile HVAC improvements	\$1,200,000
Construction	232002	Conner Creek Pump Station Improvements	\$36,000,000
Projects moved to Procurement Team (Preparing for solicitation on Bonfire)			
Construction (Design Build)	122004	96-Inch Water Transmission Main Relocation - Phase III	\$90,000,000
Professional Services	O&M	WRRF CSO and SPS Generator Preventative Maintenance	\$400,000
Professional Services	O&M	Specialized Services – Staff Augmentation	\$12,550,000
Professional Services	O&M	Lake Huron Water Treatment Plant Sludge Removal and Disposal	\$3,300,000
Professional Services	O&M	Emergency Standby Generator Preventative Maintenance	\$2,910,225
Construction	170306	Instrumentation and Control System Plant - wide SCADA	\$3,340,000
Professional Services	O&M	Environmental Health and Safety Assistance	\$2,000,000
Professional Services	O&M	Water and Wastewater Pumping Stations LED Lighting Upgrades	\$7,500,000
Professional Services	O&M	Staffing Services	\$750,000
Professional Services	O&M	Investment Services	\$2,200,000
Professional Services	O&M	Janitorial/Housekeeping Services	\$8,830,804
Professional Services	O&M	Vinyl Graphics and Installation Services	\$155,000
Professional Services	O&M	Retirement Plan Investment Consultant	\$200,000
Professional Services	O&M	As Needed Large Motor Repairs	\$1,800,000
Professional Services	O&M	Boiler System Operation and Maintenance Service	\$300,000

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Welcome to the August edition of *The Procurement Pipeline*, a monthly newsletter designed to provide updates on doing business with the Great Lakes Water Authority (GLWA).

GLWA's 2024 Vendor Outreach Event

In the July 2024 edition of the *Procurement Pipeline*, we announced that GLWA will be hosting a Vendor Outreach Event on September 26, 2024. GLWA's event will be held in-person at the Auburn Hills Marriot Pontiac in Pontiac, Michigan and will help both existing and new vendors learn more about doing business with GLWA. Interested Vendors are encouraged to pre-register at the [Whova Registration page](#) and download the free Whova App to connect with other attendees in advance of the September event. An overview of the event agenda is included below.

7:30 a.m. – 8:30 a.m. Registration & Breakfast

Vendors may come early to register, enjoy breakfast, and network with other vendors.

8:30 a.m. – 10:25 a.m. General Session

A welcome from GLWA CEO Suzanne Coffey will precede presentations on GLWA's Financial Outlook, Ethics in Public Procurement, What's New in Procurement, and an open Q&A session. In addition, a panel discussion on "How we Select our Subcontractors" featuring five GLWA prime contractors facilitated by GLWA's Chief Procurement Officer will follow.

10:40 a.m. – 12:00 p.m. Breakout Sessions

Vendors may attend one of two concurrent breakout sessions. The first is a construction and engineering focused breakout session that features GLWA's Capital Improvement Plan (CIP) Project Management Plan rollout as well as project delivery schedules. The second is a services and goods focused breakout session that features a panel discussion on how to successfully respond to GLWA requests for bid or proposal as well as a

presentation on GLWA's Vendor Performance Assessment program.

10:40 a.m. to 12:00 p.m. Resources & Networking

Vendors will have the opportunity to talk one-on-one with members of the GLWA Procurement and Accounts Payable Teams as well as representatives from the Business Inclusion and Diversity (B.I.D.) Program, the Affordability and Assistance Program, and the Detroit Water and Sewerage (DWSD) Procurement Department among others.

Any additional questions about GLWA's Vendor Outreach Event, or how to register, may be directed to GLWAVendorOutreach@glwater.org. We look forward to seeing you there!

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Upcoming Solicitations August 2024

Category	CIP #	Description/Project Title	Budget Estimate
Water System (next four to nine months)			
Construction	111001	Lake Huron Water Treatment Plant – LH-401 Switchgear and Low Lift Improvements	\$100,000,000
Construction	122016	Downriver Transmission Main Loop – Phase 1 – Inkster Rd	\$21,000,000
Wastewater Systems (next four to nine months)			
Construction	260510	CSO Outfall Rehabilitation Phase VI	\$10,000,000
Construction	260206	Rehabilitation of 7 Mile Sewer System	\$30,000,000
Construction	211005.2	WRRF Pump Station 2 VFD Replacements	\$12,000,000
Design	270007	CSO Facility Disinfection Improvements	\$2,000,000
Construction	270006	CSO Facility Improvements II	\$15,000,000
Construction	260904	Renovation of the New Administration Building 3 rd Floor	\$3,300,000
Water System (next three months)			
Professional Services	O&M	Above/Below Ground Fuel System Maintenance	\$900,000
Design	113010	Southwest WTP Flocculation Improvements	\$4,933,000
Construction (Design Build)	112008	Northeast WTP Filter Replacement	\$85,550,000
Wastewater (next three months)			
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Professional Services	O&M	Water and Wastewater Pumping Stations LED Lighting Upgrades	\$7,500,000
Professional Services	O&M	Staffing Services	\$750,000
Professional Services	O&M	Investment Services	\$2,200,000
Professional Services	O&M	Janitorial/Housekeeping Services	\$8,830,804
Professional Services	O&M	Vinyl Graphics and Installation Services	\$155,000
Professional Services	O&M	Floor Covering Supply and Installation Services	\$246,000

Vendors should continue to monitor [Bonfire](#) for solicitation updates.

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