Great Lakes Water Authority

Resolution 2023-XXX

Resolution Adopting the Biennial FY 2024 & FY 2025 Budget

By Board Member: _____ WHEREAS The Great Lakes Water Authority ("GLWA" or the "Authority") assumed the operation of the regional water and sewer systems on January 1, 2016 (the "Effective Date") pursuant to Water System and Sewer System Lease Agreements between the GLWA and the City of Detroit dated June 12, 2015; and WHEREAS In accordance with the by-laws of the GLWA, the Board shall adopt a two-year (Biennial) operating budget for the Regional Water and Sewer Systems; and WHEREAS The Authority, through the terms of the Leases, committed to an annual increase in revenue requirement budget of no more than 4% though the fiscal year ending June 30, 2025; and **WHEREAS** The GLWA Board is now adopting its eighth fiscal year budget demonstrating its ability to achieve that commitment with a Regional Water System annual revenue requirement budget increase of 4.0% which equates to an average 3.1% increase in revenues from Water Service Charges and a Regional Sewer System annual revenue requirements budget increase of 4.0% which equates to an average 2.8% increase in revenues from Sewer Service Charges; and WHEREAS The budgeted expenses for each such Fiscal Year shall equal the sum of the projected expenses and revenue requirements for the Regional Water System and the Regional Sewer System for each such Fiscal Year; and WHEREAS The budgeted annual revenue requirements for the Regional Water System for FY

2024 is \$370,314,500 and for FY 2025 is \$385,127,100 as shown on "Schedule 1A – Water System Revenue Requirements" of the budget document; and

- WHEREAS The budgeted annual revenue requirements for the Regional <u>Sewer</u> System for FY 2024 is \$500,627,000 and for FY 2025 is \$520,652,100 as shown on "Schedule 1B Sewer System Revenue Requirements" of the budget document; and
- WHEREAS The operations and maintenance budget for the Regional <u>Water</u> System for FY 2024 is \$152,906,400 and for FY 2025 is \$162,810,600 as shown on "Schedule 1A Water System Revenue Requirements" of the budget document; and
- WHEREAS The operations and maintenance budget for the Regional <u>Sewer</u> System for FY 2024 is \$205,643,700 and for FY 2025 is \$216,220,400 as shown on "Schedule 1B Sewer System Revenue Requirements" of the budget document; and
- WHEREAS The amounts necessary to pay the principal of and interest on all <u>Water</u> System bonds and to restore any reserves therefore established in the Master Bond Ordinance is \$204,812,400* for FY 2024 and \$223,254,300* for FY 2025 as shown on "Schedule 4 Debt Service Coverage Calculations Consistent with the Master Bond Ordinance" of the budget document; and
- WHEREAS The amounts necessary to pay the principal of and interest on all <u>Sewer</u> System bonds and to restore any reserves therefore established in the Master Bond Ordinance is \$257,257,800* for FY 2024 and \$260,896,700* for FY 2025 as shown on "Schedule 4 Debt Service Coverage Calculations Consistent with the Master Bond Ordinance" of the budget document; and
- WHEREAS The amounts necessary to fund the annual water system capital expenditures of \$11,539,100 in FY 2024 and \$9,694,400 in FY 2025 for capital outlay in accordance with the "Schedule 5A Water Capital Financing Plan: Water Improvement and Extension Fund" budget; and
- WHEREAS The amounts necessary to fund the annual water system capital expenditures of \$239,259,000** in FY 2024 and \$200,422,000** in FY 2025 for the capital improvement plan in accordance with the "Schedule 5A Water Capital Financing Plan: Water Construction Fund" budget with those capital amounts reflecting an 100% Capital Spending Ratio applied to FY 2024 and FY 2025 as shown in the proposed FY 2024 though FY 2028 Capital Improvement Plan; and
- WHEREAS The amounts necessary to fund the annual sewer system capital expenditures of \$14,970,500 in FY 2024 and \$12,399,500 in FY 2025 for the capital outlay in accordance with the "Schedule 5B – Sewer Capital Financing Plan: Sewer Improvement and Extension Fund" budget; and

^{*}Amounts are subject to change pending receipt of final DWSD budget information.

^{**}Amounts pending reconciliation with CIP-Draft 2 and supporting materials.

- WHEREAS The amounts necessary to fund the annual sewer system capital expenditures of \$199,061,000** in FY 2024 and \$174,202,000** in FY 2025 for the capital improvement plan in accordance with "Schedule 5B Sewer Capital Financing Plan: Sewer Construction Fund" budget with those capital amounts reflecting a 100% Capital Spending Ratio applied to FY 2024 and FY 2025 as shown in the proposed FY 2024 though FY 2028 Capital Improvement Plan; and
- WHEREAS The GLWA Audit Committee began review of the budget and five-year financial plan document developed for FY 2024 through FY 2028 at its meeting on December 16, 2022; with updates at its meeting on January 27, 2023; and
- **WHEREAS** The GLWA Board conducted a public hearing on the proposed budget in accordance with the provisions of Public Act No. 43 of the Acts of the State Legislature of 1963 ("Budget Hearings of Local Governments"); and
- WHEREAS A notice for the public hearing on the proposed budget scheduled for February 22, 2023 at 2:00 p.m. either in person or via a telephonic Zoom meeting was published in The Detroit Legal News announcing a public hearing on the budget in addition to posting the notice and proposed budget on glwater.org/financials; and
- **WHEREAS** An affirmative vote of 5 Board Members is necessary for the adoption of this Resolution,

NOW THEREFORE BE IT:

- **RESOLVED** That the GLWA Board conducted a public hearing on February 22, 2023 to receive public comment regarding the proposed budget for the Fiscal Years 2024 and 2025; and be it further
- **RESOLVED** That the GLWA Board approves the budget for Fiscal Years 2024 and 2025; and be it finally
- **RESOLVED** That the Chief Executive Officer, and the Chief Financial Officer/Treasurer are authorized to take such other action as may be necessary to accomplish the intent of this resolution.

**Amounts pending reconciliation with CIP-Draft 2 and supporting materials.

Note: Amounts highlighted in yellow in the following tables are presented in the Biennial Budget Authorizing Resolution.

	Currer	nt Year	Biennial Budget					
	FY 2023 Adopted	FY 2023 Estimated	FY 2024 Department	FY 2024 Dollar	FY 2024 Percent	FY 2025 Department	FY 2025 Dollar	FY 2025 Percent
Water System Revenue Requirements	Budget	Budget	Requested	Variance	Variance	Requested	Variance	Variance
Revenues								
Revenues from Charges	\$354,947,900	\$353,690,600	\$366,077,800	\$ 11,129,900	3.1%	\$ 377,715,500	\$ 11,637,700	3.2%
Other Revenues	175,000	175,000	175,000	-	0.0%	175,000	-	0.0%
Investment Earnings	948,700	7,915,700	4,061,700	3,113,000	328.1%	7,236,600	3,174,900	78.2%
Total Revenues	356,071,600	361,781,300	\$370,314,500	\$ 14,242,900	4.0%	\$ 385,127,100	\$ 14,812,600	4.0%
Revenue Requirements								
Operations & Maintenance (O&M) Expense	\$144,847,700	\$144,847,700	\$152,906,400	\$ 8,058,700	5.6%	\$ 162,810,600	\$ 9,904,200	6.5%
General Retirement System Legacy Pension	6,048,000	6,048,000	-	(6,048,000)	-100.0%	-	-	0.0%
Debt Service	150,337,100	150,730,700	159,823,700	9,486,600	6.3%	177,435,900	17,612,200	11.0%
General Retirement System Accelerated Pension	6,268,300	6,268,300	3,395,500	(2,872,800)	-45.8%	4,173,300	777,800	22.9%
Water Residential Assistance Program Contribution	1,770,500	1,770,500	1,851,600	81,100	4.6%	1,925,600	74,000	4.0%
Regional System Lease	22,500,000	22,500,000	22,500,000	-	0.0%	22,500,000	-	0.0%
Receiving Fund Working Capital Requirement	-	-	-	-	0.0%	8,300,000	8,300,000	0.0%
Improvement & Extension Fund Transfer Pending	24,300,000	29,616,100	29,837,300	5,537,300	22.8%	7,981,700	(21,855,600)	-73.2%
Annual Water System Revenue Requirements	\$356,071,600	\$361,781,300	\$370,314,500	\$ 14,242,900	4.0%	\$ 385,127,100	\$ 14,812,600	4.0%

Schedule 1A – Water System Revenue Requirements Biennial Budget



Note: Amounts highlighted in yellow in the following tables are presented in the Biennial Budget Authorizing Resolution.

	Currer	nt Year	Biennial Budget					
	FY 2023 Adopted	FY 2023 Estimated	FY 2024 Department	FY 2024 Dollar	FY 2024 Percent	FY 2025 Department	FY 2025 Dollar	FY 2025 Percent
Sewer System Revenue Requirements	Budget	Budget	Requested	Variance	Variance	Requested	Variance	Variance
Revenues								
Revenues from Charges	\$479,816,500	\$477,420,200	\$493,169,700	\$ 13,353,200	2.8%	\$ 510,672,700	\$ 17,503,000	3.5%
Other Revenues	400,000	400,000	400,000	-	0.0%	400,000	-	0.0%
Investment Earnings	1,155,600	10,924,100	7,057,300	5,901,700	510.7%	9,579,400	2,522,100	35.7%
Total Revenues	\$481,372,100	\$488,744,300	\$500,627,000	\$ 19,254,900	4.0%	\$ 520,652,100	\$ 20,025,100	4.0%
Revenue Requirements								
Operations & Maintenance (O&M) Expense	\$184,052,600	\$194,822,500	\$205,643,700	\$ 21,591,100	11.7%	\$ 216,220,400	\$ 10,576,700	5.1%
General Retirement System Legacy Pension	10,824,000	10,824,000	-	(10,824,000)	-100.0%	-	-	0.0%
Debt Service	205,638,100	210,732,900	225,012,300	19,374,200	9.4%	228,638,200	3,625,900	1.6%
General Retirement System Accelerated Pension	11,620,700	11,620,700	6,479,300	(5,141,400)	-44.2%	8,228,800	1,749,500	27.0%
Water Residential Assistance Program Contribution	2,394,200	2,394,200	2,503,100	108,900	4.5%	2,603,300	100,200	4.0%
Regional System Lease	27,500,000	27,500,000	27,500,000	-	0.0%	27,500,000	-	0.0%
Receiving Fund Working Capital Requirement	-	-	-	-	0.0%	-	-	0.0%
Improvement & Extension Fund Transfer Pending	39,342,500	30,850,000	33,488,600	(5,853,900)	-14.9%	37,461,400	3,972,800	11.9%
Annual Sewer System Revenue Requirements	\$481,372,100	\$488,744,300	\$500,627,000	\$ 19,254,900	4.0%	\$ 520,652,100	\$ 20,025,100	4.0%

Schedule 1B – Sewer System Revenue Requirements Biennial Budget

Schedule 1C – Combined Water and Sewer System Revenue Requirements Biennial Budget

	Currer	nt Year	Biennial Budget					
	FY 2023	FY 2023	FY 2024	FY 2024	FY 2024	FY 2025	FY 2025	FY 2025
Combined Water & Sewer System	Adopted	Estimated	Department	Dollar	Percent	Department	Dollar	Percent
Revenue Requirements	Budget	Budget	Requested	Variance	Variance	Requested	Variance	Variance
Revenues								
Revenues from Charges	\$834,764,400	\$831,110,800	\$859,247,500	\$ 24,483,100	2.9%	\$ 888,388,200	\$ 29,140,700	3.4%
Other Revenues	575,000	575,000	575,000	-	0.0%	575,000	-	0.0%
Investment Earnings	2,104,300	18,839,800	11,119,000	9,014,700	428.4%	16,816,000	5,697,000	51.2%
Total Revenues	\$837,443,700	\$850,525,600	\$870,941,500	\$ 33,497,800	4.0%	\$ 905,779,200	\$ 34,837,700	4.0%
Revenue Requirements								
Operations & Maintenance (O&M) Expense	\$328,900,300	\$339,670,200	\$358,550,100	\$ 29,649,800	9.0%	\$ 379,031,000	\$ 20,480,900	5.7%
General Retirement System Legacy Pension	16,872,000	16,872,000	-	(16,872,000)	-100.0%	-	-	0.0%
Debt Service	355,975,200	361,463,600	384,836,000	28,860,800	8.1%	406,074,100	21,238,100	5.5%
General Retirement System Accelerated Pension	17,889,000	17,889,000	9,874,800	(8,014,200)	-44.8%	12,402,100	2,527,300	25.6%
Water Residential Assistance Program Contribution	4,164,700	4,164,700	4,354,700	190,000	4.6%	4,528,900	174,200	4.0%
Regional System Leases	50,000,000	50,000,000	50,000,000	-	0.0%	50,000,000	-	0.0%
Receiving Fund Working Capital Requirement	-	-	-	-	0.0%	8,300,000	8,300,000	0.0%
Improvement & Extension Fund Transfer Pending	63,642,500	60,466,100	63,325,900	(316,600)	-0.5%	45,443,100	(17,882,800)	-28.2%
Annual Revenue Requirements	\$837,443,700	\$850,525,600	\$870,941,500	\$ 33,497,800	4.0%	\$ 905,779,200	\$ 34,837,700	4.0%

There is no Schedule 3 for purposes of the Budget Resolution.



Note: Amounts highlighted in yellow in the following tables are presented in the Biennial Budget Authorizing Resolution.

		FY 2024 Water Fund	FY 2024 Sewer Fund	FY	2024 Combined	FY 2025 Water Fund	FY 2025 Sewer Fund	FY 2025 Combine	d
Debt	Service Coverage Calculation	Requested	Requested		formational Only)	Requested	Requested	(Informational Onl	
Reve	nues	-						·	
1	Regional System Wholesale Revenues	\$ 366,077,800	\$ 493,169,700	\$	859,247,500	\$ 377,715,500	\$ 510,672,700	\$ 888,388,2	00
2	Local System Revenues	89,116,400	83,634,900		172,751,300	92,228,000	87,672,900	179,900,9	00
3	Miscellaneous Revenue (Local System)	4,210,000	8,500,000		12,710,000	4,210,000	8,500,000	12,710,0	00
4	Other Revenues & Investment Earnings (Regional System)	4,236,700	7,457,300		11,694,000	7,411,600	9,979,400	17,391,0	00
5	Total Revenues	\$ 463,640,900	\$ 592,761,900	\$	1,056,402,800	\$ 481,565,100	\$ 616,825,000	\$ 1,098,390,1	00
Reve	nue Requirements								
	ations & Maintenance Expense								
6	Regional System Wholesale Expenses	\$ 152,906,400	\$ 205,643,700	\$	358,550,100	\$ 162,810,600	\$ 216,220,400	\$ 379,031,0	00
7	Local System Expenses	45,933,500	56,977,900		102,911,400	47,770,800	59,257,000	107,027,8	00
8	GRS Pension allocable to Regional System	0	0		0	0	0		0
9	GRS Pension allocable to Local System	0	0		0	0	0		0
10	Total Operations & Maintenance Expense	198,839,900	262,621,600		461,461,500	210,581,400	275,477,400	486,058,8	00
11	Net Revenues after Operations & Maintenance Expense	\$ 264,801,000	\$ 330,140,300	\$	594,941,300	\$ 270,983,700	\$ 341,347,600	\$ 612,331,3	00
Debt	Service by Lien								
12	Senior Lien Bonds	\$ 136,224,100	\$ 152,067,400	\$	288,291,500	\$ 151,500,500	\$ 161,711,000	\$ 313,211,5	00
13	Second Lien Bonds	51,754,500	53,273,500		105,028,000	51,930,500	53,590,200	105,520,7	00
14	SRF Junior Lien Bonds	16,833,800	51,916,900		68,750,700	19,823,300	45,595,500	65,418,8	00
15	Total Debt Service	\$ 204,812,400	\$ 257,257,800	\$	462,070,200	\$ 223,254,300	\$ 260,896,700	\$ 484,151,0	00
Debt	Service Coverage								
16	Senior Lien Bonds (11)/(12)	1.94	2.17			1.79	2.11		
17	Second Lien Bonds (11) / [(12)+(13)]	1.41	1.61			1.33	1.59		
18	SRF Junior Lien Bonds (11) / (15)	1.29	1.28			1.21	1.31		

Schedule 4 – Debt Service Coverage Calculations Consistent with the Master Bond Ordinance

**Rows highlighted in light grey in the above table are designed to align with the Local System information provided from Detroit Water & Sewerage Department (DWSD) as of January 18, 2023

Note: Amounts highlighted in yellow in the following tables are presented in the Biennial Budget Authorizing Resolution.

Schedule 5A – Water Capital Financing Plan

	Curre	ent Year	Biennial Budget			
	FY 2023	FY 2023	FY 2024	FY 2025		
Water Improvement & Extension Fund	Adopted	Estimated	Department	Department		
Inflows & Outflows	Budget	Budget	Requested	Requested		
Revenues						
Water System Transfers In from						
General Operating	\$ 24,300,000	\$ 29,616,100	\$ 29,837,300	\$ 7,981,700		
Eamings on Investments (b)	-	2,283,900	984,100	396,100		
Net Use of Reserves (a)	19,888,000	17,126,000	(10,835,200)	(5,266,200)		
Total Revenues	\$ 44,188,000	\$ 49,026,000	\$ 19,986,200	\$ 3,111,600		
Expenditures						
Investment Earnings Transfers Out (b)	\$ -	\$ 2,283,900	\$ 984,100	\$ 396,100		
Capital Outlay	15,452,600	15,452,600	11,539,100	9,694,400		
Revenue Financed Capital -						
Transfer to Construction Fund	28,735,400	31,289,500	7,463,000	(6,978,900		
Total Expenditures	\$ 44,188,000	\$ 49,026,000	\$ 19,986,200	\$ 3,111,600		
Vater Construction Fund						

Water Construction Fund

	Curre	nt Year	Biennial Budget		
	FY 2023	FY 2023	FY 2024	FY 2025	
Water Construction Fund	Adopted	Estimated	Department	Department	
Inflows & Outflows	Budget	Budget	Requested	Requested	
Revenues					
Transfers from Improvement &					
Extension Fund	\$ 28,735,400	\$ 31,289,500	\$ 7,463,000	\$ (6,978,900)	
Bond Proceeds	-	225,000,000	-	342,000,000	
Bond Fund Earnings on Investment	128,800	4,838,100	1,848,900	1,378,100	
Grant Revenues (SRF Loans)	54,992,000	82,867,000	97,102,000	44,230,000	
Net Use of Reserves (a)	71,644,800	(118,204,600)	132,845,100	(180,207,200)	
Total Revenues	\$155,501,000	\$ 225,790,000	\$ 239,259,000	\$ 200,422,000	
Expenditures					
Capital Improvement Plan (b)	\$194,376,000	\$ 225,790,000	\$ 239,259,000	\$ 200,422,000	
Capital Spend Rate Adjustment	(38,875,000)	-	-	-	
Total Expenditures (b)	\$155,501,000	\$ 225,790,000	\$ 239,259,000	\$ 200,422,000	

**Capital Improvement Plan amounts pending reconciliation with CIP-Draft 2 and supporting materials.

Note: Amounts highlighted in yellow in the following tables are presented in the Biennial Budget Authorizing Resolution.

Schedule 5B – Sewer Capital Financing Plan

Sewer Improvement & Extension Fund

·	Curre	ent Year	Biennial Budget		
	FY 2023	FY 2023	FY 2024	FY 2025	
Sewer Improvement & Extension Fund	Adopted	Estimated	Department	Department	
Inflows & Outflows	Budget	Budget	Requested	Requested	
Revenues					
Sewer System Transfers In from					
General Operating	\$ 39,342,500	\$ 30,850,000	\$ 33,488,600	\$ 37,461,400	
Earnings on Investments (b)	-	2,499,800	2,092,900	2,339,700	
Net Use of Reserves (a)	5,549,500	11,097,100	(14,518,100)	(14,641,700)	
Total Revenues	\$ 44,892,000	\$ 44,446,900	\$ 21,063,400	\$ 25,159,400	
Expenditures					
Investment Earnings Transfers Out (b)	\$-	\$ 2,499,800	\$ 2,092,900	\$ 2,339,700	
Capital Outlay	18,447,100	18,447,100	14,970,500	12,399,500	
Revenue Financed Capital -					
Transfer to Construction Fund	26,444,900	23,500,000	4,000,000	10,420,200	
Total Expenditures	\$ 44,892,000	\$ 44,446,900	\$ 21,063,400	\$ 25,159,400	
Sewer Construction Fund					

Sewer Construction Fund

	Curre	ent Year	Biennia	Budget
	FY 2023	FY 2023	FY 2024	FY 2025
Sewer Construction Fund	Adopted	Estimated	Department	Department
Inflows & Outflows	Budget	Budget	Requested	Requested
Revenues				
Transfers from Improvement &				
Extension Fund	\$ 26,444,900	\$ 23,500,000	\$ 4,000,000	\$ 10,420,200
Bond Proceeds	-	225,000,000	-	247,000,000
Bond Fund Earnings on Investment	86,200	5,188,600	2,411,000	1,280,900
Grant Revenues (SRF Loans)	18,720,000	39,750,000	47,253,000	31,104,000
Net Use of Reserves (a)	49,197,900	(154,345,600)	145,397,000	(115,603,100)
Total Revenues	\$ 94,449,000	\$ 139,093,000	\$ 199,061,000	\$ 174,202,000
Expenditures				
Capital Improvement Plan (b)	\$125,932,000	\$ 139,093,000	\$ 199,061,000	\$ 174,202,000
Capital Spend Rate Adjustment	(31,483,000)	-	-	-
Total Expenditures (b)	\$ 94,449,000	\$ 139,093,000	\$ 199,061,000	\$ 174,202,000

**Capital Improvement Plan amounts pending reconciliation with CIP-Draft 2 and supporting materials.