## **Great Lakes Water Authority Resolution 2024-043**

### Resolution Adopting the Biennial FY 2025 & FY 2026 Budget

By Board Mei	mber:
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 the Regional Water Supply System and the Regional Sewage Disposal 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 Regional <u>Water</u> System annual revenue requirement budget increase of 4.0% equates to a 2.4% increase in revenues from Water Service Charges and a Regional <u>Sewer</u> System annual revenue requirements budget increase of 4.0% equates to a 2.9% increase in revenues from Sewer Service Charges; and
WHEREAS	To support the revenue requirement for each system, the comparable Regional Water System average charge adjustment is an increase of 3.25% reflecting a reduction in estimated water sales volumes and an increase in investment earnings and the comparable Regional Sewer System average charge adjustment is an increase of 3.0% reflecting a reduction in industrial surcharge loadings and an increase in investment earnings; and
WHEREAS	The budgeted expenses for each such Fiscal Year shall equal the sum of the projected expenses and revenue requirements for the Regional <u>Water</u> System and the Regional <u>Sewer</u> System for each such Fiscal Year; and
WHEREAS	The budgeted annual revenue requirement for the Regional Water System for FY 2025 is \$385,127,100 and for FY 2026 is \$414,011,600 as shown on "Schedule 1A – Water System Revenue Requirement Biennial Budget"; and
WHEREAS	The budgeted annual revenue requirement for the Regional <u>Sewer System for FY 2025</u> is \$520,652,100 and for FY 2026 is \$549,288,000 as shown on "Schedule 1B – Sewer System Revenue Requirement Biennial Budget"; and

- **WHEREAS** The operations and maintenance budget for the Regional <u>Water</u> System for FY 2025 is \$169,625,000 and for FY 2026 is \$176,410,000 as shown on "Schedule 1A Water System Revenue Requirement Biennial Budget"; and
- WHEREAS The operations and maintenance budget for the Regional Sewer System for FY 2025 is \$228,934,000 and for FY 2026 is \$238,091,400 as shown on "Schedule 1B Sewer System Revenue Requirement Biennial Budget"; 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 \$221,908,400 for FY 2025 and \$234,487,400 for FY 2026 as shown on "Schedule 4 Debt Service Coverage Calculations Consistent with the Master Bond Ordinance"; 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 \$258,529,500 for FY 2025 and \$258,877,000 for FY 2026 as shown on "Schedule 4 Debt Service Coverage Calculations Consistent with the Master Bond Ordinance"; and
- WHEREAS The amounts necessary to fund the annual water system capital expenditures of \$10,527,800 in FY 2025 and \$11,979,100 in FY 2026 for capital outlay in accordance with the "Schedule 5A Water Capital Financing Plan: Water Improvement and Extension Fund"; and
- WHEREAS The amounts necessary to fund the annual water system capital expenditures of \$210,000,000 in FY 2025 and \$210,000,000 in FY 2026 for the capital improvement plan in accordance with the "Schedule 5A Water Capital Financing Plan: Water Construction Fund" with those capital amounts reflecting an 100% Capital Spending Ratio applied to FY 2025 and FY 2026 as shown in the proposed FY 2025 though FY 2029 Capital Improvement Plan; and

- WHEREAS The amounts necessary to fund the annual sewer system capital expenditures of \$12,071,300 in FY 2025 and \$7,732,200 in FY 2026 for the capital outlay in accordance with the "Schedule 5B Sewer Capital Financing Plan: Sewer Improvement and Extension Fund"; and
- WHEREAS The amounts necessary to fund the annual sewer system capital expenditures of \$170,000,000 in FY 2025 and \$215,000,000 in FY 2026 for the capital improvement plan in accordance with "Schedule 5B Sewer Capital Financing Plan: Sewer Construction Fund" with those capital amounts reflecting a 100% Capital Spending Ratio applied to FY 2025 and FY 2026 as shown in the proposed FY 2025 though FY 2029 Capital Improvement Plan; and
- WHEREAS The GLWA Audit Committee began review of the budget and five-year financial plan document developed for FY 2025 through FY 2029 at its meeting on December 15, 2023; with updates at its meeting on February 9, 2024; 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 28, 2024 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 28, 2024 to receive public comment regarding the proposed budget for the Fiscal Years 2025 and 2026; and be it further
- **RESOLVED** That the GLWA Board approves the budget for Fiscal Years 2025 and 2026; 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.

Schedule 1A – Water System Revenue Requirement Biennial Budget

	Curre	nt Year			Biennial Budget						
	FY 2024	FY 2024	FY 2025	FY 2025	FY 2025	FY 2026	FY 2026	FY 2026			
	Adopted	Estimated	Department	Dollar Percen		Department	Dollar	Percent			
Water System Revenue Requirement	Budget	Budget	Requested	Variance	Variance	e Requested Varian		Variance			
Revenues											
Revenues from Charges											
Suburban Wholesale Customers	\$340,540,600	\$336,540,600	\$347,758,000	\$ 7,217,400	2.1%	\$372,639,700	\$ 24,881,700	7.2%			
Local System Charges	25,537,200	25,537,200	27,094,800	1,557,600	6.1%	30,730,900	3,636,100	13.4%			
Total Revenue from Charges	366,077,800	362,077,800	374,852,800	8,775,000	2.4%	403,370,600	28,517,800	7.6%			
Other Revenue	175,000	440,000	400,000	225,000	128.6%	400,000	-	0.0%			
Investment Eamings											
Investment Earnings - Unrestricted	3,067,000	8,530,200	6,692,200	3,625,200	118.2%	7,606,400	914,200	13.7%			
Investment Earnings - Restricted for Debt Service	994,700	3,531,500	3,182,100	182,100 2,187,400 219.9% 2,634,600	2,187,400 219.9% 2,634,600	(547,500)	-17.2%				
Total Investment Earnings	4,061,700	12,061,700	9,874,300	5,812,600	143.1%	10,241,000	366,700	3.7%			
Total Revenues	\$370,314,500	\$374,579,500	\$385,127,100	\$ 14,812,600	4.0%	\$414,011,600	\$ 28,884,500	7.5%			
Revenue Requirements											
Operations & Maintenance (O&M) Expense	\$152,906,400	\$163,100,500	\$169,625,000	\$ 16,718,600	10.9%	\$176,410,000	\$ 6,785,000	4.0%			
Debt Service	159,482,800	162,634,000	175,300,800	15,818,000	9.9%	186,537,300	11,236,500	6.4%			
General Retirement System Accelerated Pension	3,395,500	1,505,500	2,283,300	(1,112,200)	-32.8%	2,252,200	(31,100)	-1.4%			
Water Residential Assistance Program Contribution	1,851,600	1,851,600	1,947,800	96,200	5.2%	2,070,100	122,300	6.3%			
Regional System Lease	22,500,000	22,500,000	22,500,000	-	0.0%	22,500,000	-	0.0%			
Receiving Fund Working Capital Requirement	-	-	6,200,000	6,200,000	0.0%	5,700,000	(500,000)	-8.1%			
Improvement & Extension Fund Transfer Pending	30,178,200	22,987,900	7,270,200	(22,908,000)	-75.9%	18,542,000	11,271,800	155.0%			
Annual Water System Revenue Requirements	\$370,314,500	\$374,579,500	\$385,127,100	\$ 14,812,600	4.0%	\$414,011,600	\$ 28,884,500	7.5%			
Budget Adjustment				14,812,600	4.00%						
Adjustment for proforma Charge Revenue and Non-Charge Revenue	(290,500)										
Charge Adjustment Attributable to Change in Annual Revenue Requirement as a % of Charge Revenue					4.00%						
<u>Charge Adjustment</u> Attributable to Non-Charge Revenue (FY 202:	(6,037,600)	-1.66%									
<u>Charge Adjustment</u> Attributable to Sales Revenue (FY 2025 attribu	3,317,000	0.91%									
Charge Adjustment (Based on Revenue Requirement li	11,801,500	3.25%									

## Schedule 1B – Sewer System Revenue Requirement Biennial Budget

	Curre	nt Year	Biennial Budget							
	FY 2024 FY 2024 Adopted Estimated		FY 2025 Department	FY 2025 Dollar	FY 2025 Percent	FY 2026 Department	FY 2026 Dollar	FY 2026 Percent		
Sewer System Revenue Requirement	Budget	Budget	Requested	Variance	Variance	Requested	Variance	Variance		
Revenues						-				
Revenues from Charges										
Suburban Wholesale Customers	\$282,687,600	\$282,687,600	\$287,517,600	\$ 4,830,000	1.7%	\$303,022,300	\$ 15,504,700	5.4%		
Local System Charges	196,569,600	196,569,600	205,924,800	9,355,200	4.8%	217,550,100	11,625,300	5.6%		
Industrial Waste Control Charges	8,584,200	8,584,200	8,719,300	135,100	1.6%	9,198,700	479,400	5.5%		
Pollutant Surcharges	5,328,300	5,328,300	5,434,400	106,100	2.0%	5,733,200	298,800	5.5%		
Total Revenue from Charges	493,169,700	493,169,700	507,596,100	14,426,400	2.9%	535,504,300	27,908,200	5.5%		
Other Revenue	400,000	717,000	700,000	300,000	75.0%	700,000	-	0.0%		
Investment Eamings										
Investment Earnings - Unrestricted	5,567,000	13,399,700	10,494,500	4,927,500	88.5%	11,616,400	1,121,900	10.7%		
Investment Earnings - Restricted for Debt Service	1,490,300	2,657,600	1,861,500	371,200	24.9%	1,467,300	(394,200)	-21.2%		
Total Investment Earnings	7,057,300	16,057,300	12,356,000	5,298,700	75.1%	13,083,700	727,700	5.9%		
Total Revenues	\$500,627,000	\$509,944,000	\$520,652,100	\$ 20,025,100	4.0%	\$549,288,000	\$ 28,635,900	5.5%		
Revenue Requirements										
Operations & Maintenance (O&M) Expense	\$205,643,700	\$220,128,400	\$228,934,000	\$ 23,290,300	11.3%	\$238,091,400	\$ 9,157,400	4.0%		
Debt Service	228,328,300	231,781,500	226,279,400	(2,048,900)	-0.9%	226,618,700	339,300	0.1%		
General Retirement System Accelerated Pension	6,479,300	3,096,800	4,846,300	(1,633,000)	-25.2%	4,776,300	(70,000)	-1.4%		
Water Residential Assistance Program Contribution	2,503,100	2,503,100	2,651,700	148,600	5.9%	2,746,400	94,700	3.6%		
Regional System Lease	27,500,000	27,500,000	27,500,000	-	0.0%	27,500,000	-	0.0%		
Receiving Fund Working Capital Requirement	-	-	2,300,000	2,300,000	0.0%	3,700,000	1,400,000	60.9%		
Improvement & Extension Fund Transfer Pending	30,172,600	24,934,200	28,140,700	(2,031,900)	-6.7%	45,855,200	17,714,500	62.9%		
Annual Sewer System Revenue Requirements	\$500,627,000	\$509,944,000	\$520,652,100	\$ 20,025,100	4.0%	\$549,288,000	\$ 28,635,900	5.5%		
Budget Adjustment				20,025,100	4.00%					
Adjustment for proforma Charge Revenue and Non-Charge Revenue	e			(312.900)						

Budget Adjustment	20,025,100	4.00%
Adjustment for proforma Charge Revenue and Non-Charge Revenue	(312,900)	
Charge Adjustment Attributable to Change in Annual Revenue Requirement as a % of Charge Revenue	19,712,200	4.00%
<u>Charge Adjustment</u> Attributable to Non-Charge Revenue (FY 2025 increase in Other Revenue & Total Investment Earnings)	(5,598,700)	-1.14%
<u>Charge Adjustment</u> Attributable to Sales Revenue (FY 2025 attributable to decreased baseline revenues)	677,400	0.14%
Charge Adjustment (Based on Revenue Requirement Increase of 4.0%) (rounded)	14,790,900	3.00%

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

	Curre	Current Year Biennial Budget						
	FY 2024	FY 2024	FY 2025 FY 2025 FY 202		FY 2025	FY 2026	FY 2026	FY 2026
Combined Water & Sewer System	Adopted	Estimated	Department	Dollar	Percent	Department	Dollar	Percent
Revenue Requirement	Budget	Budget	Requested	Variance	Variance	Requested	Variance	Variance
Revenues						-		
Revenues from Charges								
Suburban Wholesale Customers	\$623,228,200	\$619,228,200	\$635,275,600	\$ 12,047,400	1.9%	\$675,662,000	\$ 40,386,400	6.4%
Local System Charges	222,106,800	222,106,800	233,019,600	10,912,800	4.9%	248,281,000	15,261,400	6.5%
Industrial Waste Control Charges	8,584,200	8,584,200	8,719,300	135,100	1.6%	9,198,700	479,400	5.5%
Pollutant Surcharges	5,328,300	5,328,300	5,434,400	106,100	2.0%	5,733,200	298,800	5.5%
Total Revenue from Charges	859,247,500	855,247,500	882,448,900	23,201,400	2.7%	938,874,900	56,426,000	6.4%
Other Revenue	575,000	1,157,000	1,100,000	525,000	91.3%	1,100,000	-	0.0%
Investment Eamings								
Investment Earnings - Unrestricted	8,634,000	21,929,900	17,186,700	8,552,700	99.1%	19,222,800	2,036,100	11.8%
Investment Earnings - Restricted for Debt Service	2,485,000	6,189,100	5,043,600	2,558,600	103.0%	4,101,900	(941,700)	-18.7%
Total Investment Earnings	11,119,000	28,119,000	22,230,300	11,111,300	99.9%	23,324,700	1,094,400	4.9%
Total Revenues	\$870,941,500	\$884,523,500	\$905,779,200	\$ 34,837,700	4.0%	\$963,299,600	\$ 57,520,400	6.4%
Revenue Requirements								
Operations & Maintenance (O&M) Expense	\$358,550,100	\$383,228,900	\$398,559,000	\$ 40,008,900	11.2%	\$414,501,400	\$ 15,942,400	4.0%
Debt Service	387,811,100	394,415,500	401,580,200	13,769,100	3.6%	413,156,000	11,575,800	2.9%
General Retirement System Accelerated Pension	9,874,800	4,602,300	7,129,600	(2,745,200)	-27.8%	7,028,500	(101,100)	-1.4%
Water Residential Assistance Program Contribution	4,354,700	4,354,700	4,599,500	244,800	5.6%	4,816,500	217,000	4.7%
Regional System Lease	50,000,000	50,000,000	50,000,000	-	0.0%	50,000,000	-	0.0%
Receiving Fund Working Capital Requirement	-	-	8,500,000	8,500,000	0.0%	9,400,000	900,000	10.6%
Improvement & Extension Fund Transfer Pending	60,350,800	47,922,100	35,410,900	(24,939,900)	-41.3%	64,397,200	28,986,300	81.9%
Annual Revenue Requirements	\$870,941,500	\$884,523,500	\$905,779,200	\$ 34,837,700	4.0%	\$963,299,600	\$ 57,520,400	6.4%

There is no Schedule 2 or Schedule 3 for purposes of the Budget Resolution.

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

		FY 2025	FY 2025			FY 2026	FY 2026		
		Water Fund	Sewer Fund	FY	2025 Combined	Water Fund	Sewer Fund	FY	2026 Combined
Debt	Service Coverage Calculation	Requested	Requested	(Info	ormational Only)	Requested	Requested	(Inf	ormational Only)
Reve	nues		-			-			
1	Regional System Wholesale Revenues	\$ 374,852,800	\$ 507,596,100	\$	882,448,900	\$ 403,370,600	\$ 535,504,300	\$	938,874,900
2	Local System Revenues	91,543,300	82,938,500		174,481,800	94,443,100	86,858,700		181,301,800
3	Miscellaneous Revenue (Local System)	4,336,300	8,755,000		13,091,300	4,466,400	9,017,700		13,484,100
4	Other Revenues & Investment Earnings (Regional System)	10,274,300	13,056,000		23,330,300	10,641,000	13,783,700		24,424,700
5	Total Revenues	\$ 481,006,700	\$ 612,345,600	\$	1,093,352,300	\$ 512,921,100	\$ 645,164,400	\$	1,158,085,500
Reve	nue Requirements								
	rations & Maintenance Expense								
6	Regional System Wholesale Expenses	\$ 169,625,000	\$ 228,934,000	\$	398,559,000	\$ 176,410,000	\$ 238,091,400	\$	414,501,400
7	Local System Expenses	46,614,900	57,986,800		104,601,700	48,013,300	59,726,400		107,739,700
8	GRS Pension allocable to Regional System	-	-		-	-	-		-
9	GRS Pension allocable to Local System	-	-		-	-	-		-
10	Total Operations & Maintenance Expense	216,239,900	286,920,800		503,160,700	224,423,300	297,817,800		522,241,100
11	Net Revenues after Operations & Maintenance Expense	\$ 264,766,800	\$ 325,424,800	\$	590,191,600	\$ 288,497,800	\$ 347,346,600	\$	635,844,400
Debt	Service by Lien								
12	Senior Lien Bonds	\$ 151,609,800	\$ 157,316,400	\$	308,926,200	\$ 162,333,800	\$ 159,791,300	\$	322,125,100
13	Second Lien Bonds	51,930,500	53,776,500		105,707,000	51,931,700	56,906,700		108,838,400
14	SRF Junior Lien Bonds	18,368,100	47,436,600		65,804,700	20,221,900	42,179,000		62,400,900
15	Total Debt Service	\$ 221,908,400	\$ 258,529,500	\$	480,437,900	\$ 234,487,400	\$ 258,877,000	\$	493,364,400
Debt	Service Coverage								
16	Senior Lien Bonds (11)/(12)	1.75	2.07			1.78	2.17		
17	Second Lien Bonds (11) / [(12)+(13)]	1.30	1.54			1.35	1.60		
18	SRF Junior Lien Bonds (11) / (15)	1.19	1.26			1.23	1.34		

<sup>\*\*</sup>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 December 15, 2023

### Schedule 5A - Water Capital Financing Plan

#### Water Improvement & Extension Fund

	Currer	ear	Biennial Budget					
	FY 2024		FY 2024		FY 2025	25 FY 20		
Water Improvement & Extension Fund	Adopted	Estimated		Department		D	epartment	
Inflows & Outflows	Budget		Budget	F	Requested	F	Requested	
Inflows								
Transfers in from Water Operations Fund								
Revenue transfers	\$ 30,178,200	\$	22,987,900	\$	7,270,200	\$	18,542,000	
Earnings on Investments	1,694,800		2,195,200		938,700		2,981,700	
Net Use of Reserves	(10,926,100)		(4,402,100)		18,257,600		(3,562,900)	
Total Inflows	\$ 20,946,900	\$	20,781,000	49	26,466,500	\$	17,960,800	
Outflows								
Transfers out to Water Operations Fund								
Investment Earnings	\$ 1,694,800	\$	2,195,200	\$	938,700	\$	2,981,700	
Capital Outlay	11,539,100		8,085,800		10,527,800		11,979,100	
Transfers out to Water Construction Fund								
Revenue Financed Capital	7,713,000		10,500,000		15,000,000		3,000,000	
Total Outflows	\$ 20,946,900	\$	20,781,000	\$	26,466,500	\$	17,960,800	

#### Water Construction Fund

	Curre	nt Year	Biennia	Budget
	FY 2024	FY 2024	FY 2025	FY 2026
Water Construction Fund	Adopted	Estimated	Department	Department
Inflows & Outflows	Budget	Budget	Requested	Requested
Inflows				
Transfers in from Water Improvement &				
Extension Fund	\$ 7,713,000	\$ 10,500,000	\$ 15,000,000	\$ 3,000,000
Bond Proceeds	-	150,000,000	271,562,500	-
SRF Loans	97,102,000	62,307,000	30,800,000	14,230,000
Investment Earnings	1,864,700	4,603,500	7,953,300	4,446,300
Net Use of Reserves	132,580,300	(17,410,500)	(115,315,800)	188,323,700
Total Inflows	\$ 239,260,000	\$ 210,000,000	\$ 210,000,000	\$ 210,000,000
Outflows				
Capital Expenditures	\$ 239,260,000	\$ 210,000,000	\$ 210,000,000	\$ 210,000,000
Total Outflows	\$ 239,260,000	\$ 210,000,000	\$ 210,000,000	\$ 210,000,000

## Schedule 5B – Sewer Capital Financing Plan

Sewer Improvement & Extension Fund

	Current Year				Biennial Budget			dget								
		FY 2024		FY 2024		FY 2025		FY 2025		FY 2026						
Sewer Improvement & Extension Fund		Adopted		Estimated	D	Department		Department		Department		Department		Department		epartment
Inflows & Outflows		Budget		Budget	F	Requested		Requested		Requested						
Inflows																
Transfers in from Sewer Operations Fund																
Revenue transfers	\$	30,172,600	\$	24,934,200	\$	28,140,700	\$	45,855,200								
Earnings on Investments		2,133,000		2,195,200		1,076,000		2,990,100								
Net Use of Reserves		(15,202,100)		(13,441,600)		(10,569,400)		(8,623,000)								
Total Inflows	\$	17,103,500	\$	13,687,800	\$	18,647,300	\$	40,222,300								
Outflows																
Transfers out to Sewer Operations Fund																
Investment Earnings	\$	2,133,000	\$	2,195,200	\$	1,076,000	\$	2,990,100								
Capital Outlay		14,970,500		11,492,600		12,071,300		7,732,200								
Transfers out to Sewer Construction Fund																
Revenue Financed Capital		-		-		5,500,000		29,500,000								
Total Outflows	\$	17,103,500	\$	13,687,800	\$	18,647,300	\$	40,222,300								

#### **Sewer Construction Fund**

	Currei	nt Year	Biennia	l Budget
	FY 2024	FY 2024	FY 2025	FY 2026
Sewer Construction Fund	Adopted	Estimated	Department	Department
Inflows & Outflows	Budget	Budget	Requested	Requested
Inflows				
Transfers in from Sewer Improvement &				
Extension Fund	\$ -	\$ -	\$ 5,500,000	\$ 29,500,000
Bond Proceeds	-	100,000,000	-	-
SRF Loans	47,253,000	49,425,000	96,852,000	120,693,000
Investment Earnings	2,365,600	6,080,600	2,359,000	-
Net Use of Reserves	149,442,400	4,494,400	65,289,000	64,807,000
Total Inflows	\$ 199,061,000	\$ 160,000,000	\$ 170,000,000	\$ 215,000,000
Outflows				
Capital Expenditures	\$ 199,061,000	\$ 160,000,000	\$ 170,000,000	\$ 215,000,000
Total Outflows	\$ 199,061,000	\$ 160,000,000	\$ 170,000,000	\$ 215,000,000