



Financial Services Audit Committee Communication

Date: October 9, 2024

To: Great Lakes Water Authority Audit Committee

From: William Baker, Financial Management Professional, Construction Accounting &
Reporting

Re: FY 2024 Q4 Construction Work-in-Progress Report through June 30, 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 Q4 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 June 30, 2024

For questions, please contact:

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September 27, 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 June 30, 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 June 30, 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 June 30, 2024, is 74.2% of the FY 2024 board approved CIP, 88.5% of the FY 2024 board approved CIP with project amendments, 74.2% of the FY 2024 Approved Capital Spending Rate Assumption (SRA) and 93.5% 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 (Twelve Months)	FY 2024 Activity (Unaudited)	FY 2024 Percentage
<i>(in millions)</i>							
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	\$ 239.3	\$ 177.6	74.2%
FY 2024 Board Approved CIP With Project Amendments				200.7	200.7	177.6	88.5%
FY 2024 Capital Spend Rate Assumption (SRA) - Approved				239.3	239.3	177.6	74.2%
FY 2024 Capital Spend Rate Assumption (SRA) - Adjusted				190.0	190.0	177.6	93.5%

Executive Summary (Continued)

The Wastewater System spend for the period ending June 30, 2024, is 68.5% of the FY 2024 board approved CIP, 66.0% of the FY 2024 board approved CIP with project amendments, 68.5% of the FY 2024 Approved Capital Spending Rate Assumption (SRA) and 97.5% 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 Prorated (Twelve Months)	FY 2024 Activity (Unaudited)	FY 2024 Percentage
<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	\$ 199.0	\$ 136.4	68.5%
FY 2024 Board Approved CIP With Project Amendments				206.6	\$ 206.6	136.4	66.0%
FY 2024 Capital Spend Rate Assumption (SRA) - Approved				199.0	\$ 199.0	136.4	68.5%
FY 2024 Capital Spend Rate Assumption (SRA) - Adjusted				139.9	\$ 139.9	136.4	97.5%

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.

\$415.3 million is in CWIP as of June 30, 2024 as shown for the Water System in A1 - Water - CWIP Rollforward by Jurisdiction

\$335.8 million is in CWIP as of June 30, 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 June 30, 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 June 30th, 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 June 30, 2024	CWIP Balance June 30, 2024
City of Detroit	\$ 638,107,597	\$ 106,551,466	\$ 40,250,349	\$ 40,875,349	\$ 40,040,509	\$ 66,649,664
Lapeer County	143,765,078	5,451,155	902,113	902,113	86,833	5,537,987
Mutiple Counties	806,054,995	94,920,092	103,273,696	53,298,096	57,074,903	120,855,120
Oakland County	526,779,159	101,425,208	35,809,598	44,059,698	36,186,386	137,611,594
Saint Clair County	357,322,501	10,362,274	16,975,870	17,974,870	10,119,731	20,482,005
Wayne County - Outside Detroit	1,271,890,345	55,533,758	42,047,936	43,573,336	34,065,613	64,133,211
Grand Total	\$ 3,743,919,674	\$ 374,243,953	\$ 239,259,562	\$ 200,683,462	\$ 177,573,974	\$ 415,269,582

Construction Work-in-Progress Quarterly Report

As of June 30, 2024

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 June 30th, 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 June 30, 2024	CWIP Balance June 30, 2024
City of Detroit	\$ 2,431,678,757	\$ 209,701,082	\$ 129,495,209	\$ 135,255,509	\$ 74,328,596	\$ 196,222,702
Mutiple Counties	1,503,643,833	78,549,059	69,338,051	71,068,551	59,994,358	137,087,488
Wayne County - Outside Detroit	139,547,775	438,459	227,885	227,885	2,070,040	2,509,110
Grand Total	\$ 4,074,870,364	\$ 288,688,600	\$ 199,061,145	\$ 206,551,945	\$ 136,392,993	\$ 335,819,300

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 4th quarter for the following projects:

<u>Project</u>	<u>Contract</u>	<u>Description</u>
114002	2201068	Springwells WTP Medium Voltage Electric System Replacement
114008	1802774	1930 Sedimentation Basin Sluice Gates, Guides & Hoists Improvements at Springwells WTP
116002	DB-150	PA, SW and NE Raw Water Tunnel Improvements
122005	1804129	Schoolcraft Road 48" Water Transmission Main
122011	1802775	Park Merriman Water Main Final Phase
122017	2001488	7 Mile/Nevada Transmission Main Rehab and Carrie/Nevada Flow Control Station
170503	1802745	Water Transmission Main, Valve and Other Priority Repairs
170801	1900774	Implay, WCS, LH, SP, SW Reservoir Inspection
170802	2201316	Reservoir Construction Phase 2
170904	2201848	Phase II Wholesale Water Meter Pit Rehab
232001	CON-297	Fairview Pump Station
260618	2003330	Oakwood CSO Control Facility & Pump Station HVAC
260902	2101879	Renovation of the Fourth Floor at WRRF - NAB

\$415.3 million is in CWIP as of June 30, 2024, as shown for the Water System in B1 - Water - Detailed CWIP Rollforward

\$335.8 million is in CWIP as of June 30, 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 June 30, 2024

Great Lakes Water Authority

B1 - Water System Construction Work-in-Progress (CWIP) FY 2024 Rollforward

Unaudited Activity For the Fiscal Quarter Ended June 30th, 2024

Project Category	Total Project Plan Estimate	FY 2024 Board		FY 2024 Activity through June 30, 2024	FY 2024 Capitalizations And Other		Life to Date Capitalizations And Other Activity	Life to Date Activity Through June 30, 2024	Life to Date Activity / Total Project Plan Estimate	
		FY 2024 Board Approved CIP	Approved CIP With Project Amendments		CWIP Balance July 1, 2023	CWIP Balance June 30, 2024				
Field Services - Water	605,748,307	121,118,374	79,188,974	119,596,676	79,492,715	7,183,614	191,905,776	105,860,780	297,766,556	49%
Programs - Water	563,390,417	21,421,981	23,311,681	50,259,310	19,407,567	31,146,994	38,519,882	63,479,545	101,999,427	18%
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	3,963,408	-	57,469,295	5,973,851	63,443,146	9%
Water Treatment Plants & Facilities	1,797,962,260	85,654,045	87,608,345	150,882,080	74,710,284	98,217,736	127,374,628	299,663,506	427,038,135	24%
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	177,573,974	136,548,345	415,269,582	485,335,439	900,605,021	24%

Construction Work-in-Progress Quarterly Report

As of June 30, 2024

Great Lakes Water Authority
 B2 - Wastewater System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended June 30th, 2024

Project Category	Total Project Plan Estimate	FY 2024 Board		FY 2024 CWIP Balance July 1, 2023	FY 2024 Activity through June 30, 2024	FY 2024 Capitalizations And Other		Life to Date Capitalizations And Other Activity	Life to Date Activity through June 30, 2024	Life to Date Activity / Total Project Plan Estimate
		FY 2024 Board Approved CIP	FY 2024 Board With Project Amendments			FY 2024 Capitalizations Activity Through June 30, 2024	FY 2024 Capitalizations CWIP Balance June 30, 2024			
CSO Facilities	223,462,073	9,578,136	9,578,136	5,277,057	10,359,905	-	15,636,962	737,296	16,374,258	7%
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	9,157,374	-	62,830,398	-	62,830,398	31%
Programs	1,598,544,588	92,767,210	94,497,710	95,169,871	77,684,070	10,871,716	161,982,225	57,725,571	219,707,797	14%
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	5,360,735	44,840,220	16,608,106	50,943,906	67,552,012	11%
Water Resource Recovery Facility	1,454,331,929	52,645,387	58,405,687	78,481,057	33,830,908	33,550,356	78,761,609	200,468,233	279,229,842	19%
Grand Total	4,074,870,364	199,061,145	206,551,945	288,688,600	136,392,993	89,262,293	335,819,300	314,281,914	650,101,214	16%

Construction Work-in-Progress Quarterly Report

As of June 30, 2024

Great Lakes Water Authority
 B3 - Water System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended June 30th, 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 June 30, 2024	Life to Date	Life to Date	Life to Date	
				Approved CIP	Approved CIP		Activity through June 30, 2024	And Other Activity Through June 30, 2024		Capitalizations And Other Activity	Activity Through June 30, 2024	Activity / Total Project Plan	
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	41,494,774	-	92,352,472	148,741	92,501,213	39%	
	122005	Replacement Schoolcraft Watermain	18,645,713	-	-	3,396,485	(105,877)	3,290,608	(0)	16,947,443	16,947,443	91%	
	122006	Transmission System Water Main Work-Wick Road Parallel Water Main	26,261,331	-	373,500	4,301,439	1,198,313	-	5,499,751	20,751,264	26,251,015	100%	
	122007	Design and Construction of a new Newburgh Road 24"	26,209,246	-	-	-	-	-	-	-	-	0%	
	122011	Main along Newburgh Road between Ch	10,202,576	-	-	-	2,201	2,201	-	6,835,145	6,835,145	67%	
	122012	Park-Merriman Water Main-Final Phase	9,986,284	-	-	-	-	-	-	9,986,284	9,986,284	100%	
	122013	36-inch Water Main in Telegraph Road	113,979,416	27,027,177	35,964,577	57,111,557	32,535,991	-	89,647,548	17,510,830	107,158,378	94%	
	122016	Lyon Township Transmission Main Extension Project	69,991,506	5,308,831	5,308,831	2,831,943	288,192	-	3,120,135	-	3,120,135	4%	
	122017	Downriver Transmission Loop	7 Mile/Nevada Transmission Main Rehab and Carrie/Nevada Flow Control Station	13,118,300	3,389,881	4,014,881	-	3,890,805	3,890,805	0	3,890,805	3,890,805	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	188,317	-	1,285,871	-	1,285,871	3%	
Field Services - Water Total			605,748,307	121,118,374	79,188,974	119,596,676	79,492,715	7,183,614	191,905,776	105,860,780	297,766,556	49%	
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	2,380,194	-	7,922,171	-	7,922,171	96%	
	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	2,946,389	14,053,848	2,072,752	14,053,848	16,126,600	108%	
	170504	Repair of WTM, Valves, & Priority Repair	18,400,000	549,168	2,713,568	9,219,808	593,562	-	9,813,370	-	9,813,370	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	-	-	-	-	2,537,578	-	2,537,578	-	2,537,578	0%	
	170801	Reservoir Inspection, Design and Rehabilitation	25,385,252	2,570,361	2,570,361	14,494,537	1,939,931	16,424,617	9,851	25,191,451	25,201,302	99%	
	170802	Reservoir Inspection, Design	47,175,002	9,292,018	7,764,018	2,460,276	7,456,725	661,409	9,255,592	661,409	9,917,001	21%	
	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	-	1,451,200	7,120	1,444,080	7,120	1,451,200	9%		
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	19,407,567	31,146,994	38,519,882	63,479,545	101,999,427	18%	
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%	

Construction Work-in-Progress Quarterly Report

As of June 30, 2024

Great Lakes Water Authority
 B3 - Water System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended June 30th, 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		Life to Date Capitalizations And Other Activity	Life to Date Activity Through June 30, 2024	Life to Date Activity / Total Project Plan	
				Approved CIP	Approved CIP		Activity through June 30, 2024	And Other Activity Through June 30, 2024	CWIP Balance June 30, 2024				
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	86,833	-	5,267,777	-	5,267,777	92%	
	132010	West Service Center/Duval Rd Division Valve Upgrades	47,770,838	4,758,831	4,071,531	42,921,051	2,691,107	-	45,612,158	-	45,612,158	95%	
	132012	Ypsilanti PS Improvements	43,394,088	701,075	897,675	2,443,545	127,970	-	2,571,515	-	2,571,515	6%	
	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	98,210	-	1,331,136	30,000	1,361,136	3%	
	132016	North Service Center BPS Improvements	239,583,663	4,023,590	4,023,590	1,195,463	959,288	-	2,154,751	-	2,154,751	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	3,963,408	-	57,469,295	5,973,851	63,443,146	9%
	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	1,175,634	-	4,712,096	-	4,712,096	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%	
111006		Replacement of Filter Instrumentation and Raw Water Flow Metering Improvements at Lake	40,356,342	1,026,425	2,025,425	1,381,273	2,748,022	-	4,129,295	-	4,129,295	10%	
111007		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	5,808,402	-	10,507,654	-	10,507,654	34%	
111010		Lake Huron Water Treatment Plant -Filtration and Pretreatment Improvements	58,638,596	-	-	-	-	-	-	-	-	0%	
111011		Lake Huron WTP Pilot Plant	3,267,770	-	-	-	3,931	-	3,931	3,076,105	3,080,036	94%	
111012		LHWTP-Flocculation Improvements	51,331,404	1,786,838	1,786,838	741,978	382,807	-	1,124,785	-	1,124,785	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	3,418	-	561,027	-	561,027	0%	
112005		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	2,101,173	-	6,167,295	-	6,167,295	46%	
112007		NE WTP Structural Repair of Slab and Bea	6,685,115	140,039	140,039	235,924	2,629	-	238,553	-	238,553	4%	
112008		Northeast WTP Filter Replacement	-	-	-	-	101,661	-	101,661	-	101,661	0%	
113001		Southwest Water Treatment Plant, Sludge Treatment & Waste Wash water Treatment Facilit	23,765	-	-	-	-	-	-	171,079	171,079	720%	
113002	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	3,156,930	-	6,108,070	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	3,078,921	-	3,099,104	-	3,099,104	60%		
113010	SW WTP Flocculation Improvements	-	-	-	-	16,102	-	16,102	-	16,102	0%		
114001	Springwells Water Treatment Plant 1958 Filter Rehabilitation and Auxiliary Facilities	99,764,892	-	-	-	-	-	-	99,764,892	99,764,892	100%		

Construction Work-in-Progress Quarterly Report

As of June 30, 2024

Great Lakes Water Authority
 B3 - Water System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended June 30th, 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 June 30, 2024	Life to Date	Life to Date	Life to Date
				Approved CIP	Approved CIP With Project Amendments		Activity through June 30, 2024	And Other Activity Through June 30, 2024		Capitalizations And Other Activity	Activity Through June 30, 2024	Activity / Total Project Plan
Water Treatment Plants & Facilities	114002	Springwells Water Treatment Plant - Low Lift and High Lift Pump Station	315,711,970	22,554,711	22,554,211	26,617,698	17,257,936	17,553,318	26,322,316	17,553,318	43,875,634	14%
	114003	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%
	114008	1930 Sedimentation Basin Sluice Gates, Guides & Hoists Improvements at Springwells WTP	14,105,567	-	-	404,500	1,059,295	1,463,103	692	13,201,582	13,202,274	94%
	114010	Yard Piping Improvements	218,637,731	-	-	1,807,946	-	-	1,807,946	-	1,807,946	1%
	114011	Steam, Condensate Return, and Compressed Air Piping Improvements at Springwells WTP	28,264,192	1,281,100	1,281,100	1,328,244	1,004,499	-	2,332,742	24,356,450	26,689,192	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	7,655,072	-	8,720,321	-	8,720,321	31%
	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	13,006,948	-	42,227,731	-	42,227,731	75%
	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	6,991,069	-	12,932,947	-	12,932,947	78%
	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	11,751,723	76,044,386	326,793	80,729,617	81,056,410	82%
	116005	Belle Isle Seawall Rehabilitation	2,294,679	737,140	737,140	157,201	555,520	-	712,722	-	712,722	31%
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	74,710,284	98,217,736	127,374,628	299,663,506	427,038,135	24%
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		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	177,573,974	136,548,345	415,269,582	485,335,439	900,605,021	24%

Construction Work-in-Progress Quarterly Report

As of June 30, 2024

Great Lakes Water Authority
 B4 - Wastewater System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended June 30th, 2024

Project Category	Project	Project Name	Total Project Plan Estimate	FY 2024 Board			FY 2024 Activity through June 30, 2024	FY 2024 Capitalizations		Life to Date Capitalizations And Other Activity	Life to Date Activity through June 30, 2024	Life to Date Activity / Total Project Plan Estimate
				FY 2024 Board Approved CIP	Approved With Project Amendments	CWIP Balance July 1, 2023		And Other	CWIP Balance June 30, 2024			
CSO Facilities	270001	Pilot CSO Netting Facility	37,884,356	-	-	2,207	18,505	-	20,713	-	20,713	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	-	618,829	-	618,829	-	618,829	5%
	270004	Oakwood Lieb CSO Facility Improvement	42,595,642	2,284,906	2,284,906	2,070,852	2,881,187	-	4,952,040	-	4,952,040	12%
	270006	Control System Upgrades - Baby Creek/Belle	20,538,416	1,477,523	1,477,523	1,103,959	1,600,576	-	2,704,535	-	2,704,535	13%
	270007	Disinfection System Improvements at CSO	8,345,855	-	-	1,247	47,180	-	48,428	-	48,428	1%
	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	11,940	-	20,696	-	20,696	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	2,070,040	(611)	2,509,110	(611)	2,508,499	5%
	273002	CSO Hubbell Southfield VR-8 Gate Improvements	1,785,839	-	-	-	-	-	-	-	-	0%
	276002	Replacement Make-up Air Unit at CON	357,212	-	-	611	-	611	-	348,607	348,607	98%
	277001	Baby Creek Outfall Improvements Project	16,312,714	3,303,128	3,303,128	1,650,965	3,111,647	-	4,762,612	389,300	5,151,912	32%
	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	10,359,905	-	15,636,962	737,296	16,374,258	7%
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	367,413	-	2,977,295	-	2,977,295	4%
	222002	Detroit River Interceptor Evaluation and Rehabilitation	117,561,404	17,254,477	17,254,477	51,063,141	6,625,911	-	57,689,053	-	57,689,053	49%
	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	-	2,164,050	-	2,164,050	-	2,164,050	48%
Field Services - Wastewater Total			203,493,821	19,775,025	19,775,025	53,673,024	9,157,374	-	62,830,398	-	62,830,398	31%
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	25,202	344,457	19,906,369	18,886,584	38,792,953	93%
	260202	Conveyance System Interceptor Rehab	4,457	-	-	1,904	-	1,904	(0)	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	17,209,188	-	27,252,743	-	27,252,743	47%
	260205	NWI Outfall Rehabilitation	7,734,426	4,232,450	4,232,450	2,303,696	3,722,836	(346,361)	6,372,893	(346,361)	6,026,532	78%
	260206	Conveyance System Rehabilitation - Interceptors	23,141,361	8,166,750	8,166,750	1,197,436	5,794,567	-	6,992,002	-	6,992,002	30%
	260207	Rehabilitation of Woodward Sewer System	23,229,319	6,721,768	7,216,568	12,008,292	8,313,808	-	20,322,100	-	20,322,100	87%
	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	1,094,403	-	3,192,487	-	3,192,487	21%
	260210	Linwood/Lonyo/Ashland/2nd Ave/Shiawassee	36,341,245	1,521,537	1,521,537	320,171	1,285,506	-	1,605,677	-	1,605,677	4%
	260211	Sewer Repair Contract II	-	-	285,000	-	4,933	-	4,933	-	4,933	0%
	260500	CSO Outfall Rehab	7,636,110	-	-	-	-	-	-	-	-	0%
	260504	Rehabilitation of Outfalls - Phase II	4,923,589	-	-	-	-	-	4,923,589	4,923,589	4,923,589	100%
	260505	Rehabilitation of Outfalls - Phase IV	5,709,224	-	-	-	3,700	-	3,700	5,709,659	5,713,359	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	4,429,458	-	10,461,400	-	10,461,400	98%
	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	3,090,222	-	4,961,829	-	4,961,829	20%
	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%

Construction Work-in-Progress Quarterly Report

As of June 30, 2024

Great Lakes Water Authority
 B4 - Wastewater System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended June 30th, 2024

Project Category	Project	Project Name	Total Project Plan Estimate	FY 2024 Board			FY 2024 Capitalizations			Life to Date Capitalizations And Other Activity	Life to Date Activity through June 30, 2024	Life to Date Total Project Plan Estimate
				FY 2024 Board Approved CIP	Approved CIP With Project Amendments	CWIP Balance July 1, 2023	FY 2024 Activity through June 30, 2024	And Other Activity through June 30, 2024	CWIP Balance June 30, 2024			
Programs	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	1,667,698	-	13,971,236	-	13,971,236	91%
	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	589,613	6,210,557	-	6,210,557	6,210,557	90%
	260619	Control System Upgrade At St. Aubin, Lieb and 7 Mile	7,972,657	3,868,475	3,868,475	1,050,133	2,214,331	-	3,264,463	-	3,264,463	41%
	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	1,109,567	7,760	1,109,567	1,117,328	81%
	260623	Baby Creek Screen Rehabilitation	2,393,230	1,048,740	1,048,740	1,447,517	820,805	-	2,268,321	-	2,268,321	95%
	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	20,998,476	-	34,176,122	-	34,176,122	58%
	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	171,402	-	473,462	-	473,462	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	2,923,768	-	3,253,365	-	3,253,365	93%
	260902	WRRF Renovation of 4th Floor	3,719,708	1,043,763	1,043,763	3,143,292	408,300	3,551,592	-	3,551,592	3,551,592	95%
	260903	WRRF Front Entrance Rehab.	7,817,069	2,475,342	2,475,342	367,597	1,609,055	-	1,976,652	-	1,976,652	25%
	260904	WRRF 3rd Floor Renovation	3,546,009	14,026	14,026	68,417	56,257	-	124,674	-	124,674	4%
	260905	WRRF Plumbing Shop Rehab	2,669,399	1,144,117	1,144,117	134,360	999,600	-	1,133,960	-	1,133,960	42%
	261000	WRRF Rehabilitation of Secondary Clarifiers	41,637,242	-	-	-	-	-	-	-	-	0%
	261001	Rehabilitation of Secondary Clarifiers	18,941,302	161,360	161,360	26,712	114,401	-	141,112	-	141,112	1%
Programs Total			1,598,544,588	92,767,210	94,497,710	95,169,871	77,684,070	10,871,716	161,982,225	57,725,571	219,707,797	14%
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	44,840,220	4,149	44,840,220	44,844,369	97%
	232002	Connor Creek Pump Station Improvements	464,091,911	21,815,785	21,815,785	12,238,422	4,193,096	4,521,798	11,909,720	10,625,484	22,535,204	5%
	232005	Freud Pump Station Improvements	-	-	-	-	172,439	(4,521,798)	4,694,237	(4,521,798)	172,439	0%
	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	5,360,735	44,840,220	16,608,106	50,943,906	67,552,012	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	100,974	2,676,068	79,609	2,676,068	2,755,677	74%
	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	178,892	-	558,488	-	558,488	1%
	211006	Pump Station No. 1 Improvements	110,959,522	15,843,863	22,296,763	11,410,932	8,826,592	-	20,237,524	-	20,237,524	18%
	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	152,110	-	8,929,948	-	8,929,948	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	2,257,611	-	12,736,430	-	12,736,430	100%
	211009	Rehabilitation of the Circular Primary Clarifier Scum Removal System	23,215,192	-	-	549,344	91,115	-	640,459	-	640,459	3%
	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	3,373,716	-	3,401,005	-	3,401,005	3%
	212003	Aeration System Improvements	16,524,875	-	-	-	-	-	-	16,524,875	16,524,875	100%

Construction Work-in-Progress Quarterly Report

As of June 30, 2024

Great Lakes Water Authority
 B4 - Wastewater System Construction Work-in-Progress (CWIP) FY 2024 Rollforward
 Unaudited Activity For the Fiscal Quarter Ended June 30th, 2024

Project Category	Project	Project Name	Total Project Plan Estimate	FY 2024 Board		CWIP Balance July 1, 2023	FY 2024 Activity through June 30, 2024	FY 2024 Capitalizations		Life to Date Capitalizations And Other Activity	Life to Date Activity through June 30, 2024	Life to Date Activity / Total Project Plan Estimate
				FY 2024 Board Approved CIP	Approved CIP With Project Amendments			And Other	CWIP Balance June 30, 2024			
Water Resource Recovery Facility	212004	ProjectChlorination/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	6,995,413	-	8,191,304	-	8,191,304	4%
	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	1,873,623	-	2,620,458	-	2,620,458	15%
	213007	Construction of the Improved Sludge Conveyance and Lighting System at the WWTP	25,470,489	709,475	709,475	22,852,865	807,728	22,911,759	748,833	22,911,759	23,660,592	93%
	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 WWRf	335,447,898	-	-	10,848	12,834	-	23,682	-	23,682	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	7,962,529	-	7,962,529	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	4,444,011	-	10,426,689	-	10,426,689	33%
	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	758,041	-	4,469,069	-	4,469,069	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	3,719,655	-	5,452,715	-	5,452,715	32%
	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	33,830,908	33,550,356	78,761,609	200,468,233	279,229,842	19%
Grand Total			4,074,870,364	199,061,145	206,551,945	288,688,600	136,392,993	89,262,293	335,819,300	314,281,914	650,101,214	16%

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.

(\$36,236,100) of Capital Reserve project amendments have been prepared as of June 30, 2024, as shown for the Water System in C1 – Water FY 2024 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.

(\$10,379,000) of Capital Reserve project amendments have been prepared as of June 30, 2024, as shown for the Wastewater system in C2 – Wastewater FY 2024 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 June 30th, 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
132015	Newburgh BPS	113,300	113,300
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
170602	36" 24 Mile Rd. Transmission Main Condit	2,226,700	2,226,700
170802	Reservoir Inspection, Design	(1,528,000)	(1,528,000)
Grand Total		\$ (36,236,100)	\$ (36,236,100)

Great Lakes Water Authority

C2 - Wastewater System Project Amendment Summary

Unaudited Activity For the Fiscal Quarter Ended June 30th, 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
232002	Connor Creek Pump Station Improvements	(19,100,700)	(19,100,700)
232005	Freud Pump Station Improvements	1,780,000	1,780,000
260201	Conveyance System Interceptor Rehab	(271,800)	(271,800)
260204	Eng Svcs for Rehab of Convey Sewer System	772,400	772,400
260205	NWI Outfall Rehabilitation	(277,300)	(277,300)
260207	Rehabilitation of Woodward Sewer System	494,800	494,800
260209	Sewer Repair Contract - As Needed	(285,000)	(285,000)
260211	Sewer Repair Contract II	285,000	285,000
260614	CSO Facilities - Structural Improvements	463,300	463,300
Grand Total		\$ (10,379,000)	\$ (10,379,000)