



Financial Services Audit Committee Communication

Date: September 23, 2022

To: Great Lakes Water Authority Audit Committee

From: William Baker, Professional Administrative Analyst, Construction Accounting & Financial Reporting

Re: FY 2022 Q4 Construction Work-in-Progress Report through June 30, 2022
(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 2022 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, 2022

For questions, please contact:

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September 23, 2022**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, 2022. The information in this report presents a detailed snapshot and is important as we track the execution of the FY 2023–2027 Capital Improvement Plan (CIP) and look to inform decision makers as we evaluate the draft FY 2024–2028 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 2022 – 2026 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, 2022. 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.

Construction Work-in-Progress Quarterly Report

As of June 30, 2022

Executive Summary

The rate of spend is a key performance indicator. The development of the FY 2022-2026 and related CIP Plan for FY 2022 were based on anticipation of FY 2022 activity resulting in 75% of planned spend. Effective June 22, 2022, GLWA Board of Directors adopted a capital spending ratio (SRA) of 95.0% for the Water system and 69.8% for the Wastewater system.

The Water System spend for the period ending June 30, 2022, is 88.7% of the FY 2022 board approved CIP, 88.2% of the FY 2022 board approved CIP with project amendments, and 93.4% of the FY 2022 Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2022 Board Approved CIP was amended from \$179,210,481 to \$180,250,867 is provided in the subsequent Project Amendment Summary appendix of this report.

The Wastewater System spend for the period ending June 30, 2022, is 66.5% of the FY 2022 board approved CIP, 70.4% of the FY 2022 board approved CIP with project amendments, and 95.3% of the FY 2022 Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2022 Board Approved CIP was amended from \$106,050,041 to \$100,248,682 is provided in the subsequent Project Amendment Summary appendix of this report.

Water System Projects		FY 2021	FY 2021 Activity	FY 2021 Percentage	FY 2022 Prorated (Twelve Months)	FY 2022 Activity (Unaudited)	FY 2022 Percentage
FY 2021 Board Approved CIP	\$	147,564,000	\$	131,687,819			89.2%
FY 2021 Board Approved CIP With Project Amendments		149,084,720		131,687,819			88.3%
FY 2021 Capital Spend Rate Assumption (SRA)		110,673,000		131,687,819			119.0%
FY 2022 Board Approved CIP					\$ 179,210,481	\$ 158,984,475	88.7%
FY 2022 Board Approved CIP With Project Amendments					180,250,867	158,984,475	88.2%
FY 2022 Capital Spend Rate Assumption (SRA)					170,249,957	158,984,475	93.4%

Wastewater System Projects		FY 2021	FY 2021 Activity	FY 2021 Percentage	FY 2022 Prorated (Twelve Months)	FY 2022 Activity (Unaudited)	FY 2022 Percentage
FY 2021 Board Approved CIP	\$	110,638,000	\$	85,051,935			76.9%
FY 2021 Board Approved CIP With Project Amendments		110,180,582		85,051,935			77.2%
FY 2021 Capital Spend Rate Assumption (SRA)		82,978,500		85,051,935			102.5%
FY 2022 Board Approved CIP					\$ 106,050,041	\$ 70,532,064	66.5%
FY 2022 Board Approved CIP With Project Amendments					100,248,682	70,532,064	70.4%
FY 2022 Capital Spend Rate Assumption (SRA)					74,022,928	70,532,064	95.3%

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 2022 – 2026 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.

\$272.9 million is in CWIP as of June 30, 2022 as shown for the Water System in A1.

\$193.0 million is in CWIP as of June 30, 2022 as show for the Wastewater System in A2.

The order of these appendices on the subsequent pages are in ascending by jurisdiction alphabetically.

Great Lakes Water Authority
Water System Construction Work-in-Progress (CWIP) FY 2022 Rollforward Summary By Jurisdiction
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022

Jurisdiction	Total Project Plan Estimate from FY 2022-2026 CIP	CWIP Balance July 1, 2021	FY 2022 Board Approved CIP	FY 2022 Board Approved CIP With Project Amendments	FY 2022 Activity through June 30, 2022	CWIP Balance June 30, 2022
City of Detroit	\$ 603,366,840	\$ 58,438,128	\$ 37,084,101	\$ 37,329,200	\$ 53,726,402	\$ 81,436,384
Lapeer County	5,937,124	1,154,458	3,962,267	3,962,267	178,038	1,332,496
Mutiple Counties	386,207,886	40,301,434	17,176,543	16,130,562	25,290,851	50,555,675
Oakland County	276,954,686	19,579,122	55,618,942	55,539,197	37,342,440	56,921,561
Saint Clair County	199,416,920	13,545,671	10,660,756	11,633,756	5,256,812	9,935,379
Wayne County - Outside Detroit	881,825,559	71,834,216	54,707,871	55,655,885	37,189,932	72,772,563
Grand Total	\$ 2,353,709,015	\$ 204,853,029	\$ 179,210,481	\$ 180,250,867	\$ 158,984,475	\$ 272,954,060

**Great Lakes Water Authority
Wastewater System Construction Work-in-Progress (CWIP) FY 2022 Rollforward Summary By Jurisdiction
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022**

Jurisdiction	Total Project Plan Estimate from FY 2022-2026 CIP	CWIP Balance July 1, 2021	FY 2022 Board Approved CIP	FY 2022 Board Approved CIP With Project Amendments	FY 2022 Activity through June 30, 2022	CWIP Balance June 30, 2022
City of Detroit	\$ 1,311,840,369	\$ 165,620,802	\$ 73,893,106	\$ 69,405,390	\$ 48,891,112	\$ 157,189,051
Mutiple Counties	422,491,975	24,943,729	32,156,934	30,843,291	20,615,381	34,875,489
Wayne County - Outside Detroit	47,820,767	555,754	-	-	1,025,570	1,035,923
Grand Total	\$ 1,782,153,110	\$ 191,120,285	\$ 106,050,041	\$ 100,248,682	\$ 70,532,064	\$ 193,100,463

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 CA&FR 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 2022 4th quarter for the following projects:

<u>Project</u>	<u>Contract</u>	<u>Description</u>
114008	1802774	1930 Sedimentation Basin Sluice Gates, Guides & Hoists Improvement
114016	2001456	Springwells Water Treatment Plant 1958 Settled Water Conduits Concrete Pavement Replacement
122003	1803258	Northeast Flow Control Facility Design Build Services
122004	1900741	96" Main Relocation Route Study, Condition Assessment & DB Contractor Oversight
122005	CS-259	As-needed Engineering Services for Schoolcraft Water Main
122006	1803621	Wick Road Parallel Work – 48" Water Transmission Main
170801	1900744	Implay, WCS, LH, SP, SW Reservoir Inspection
216007	1701516	DTE Primary Electric 3 rd Feed Supply to WRRF/Consulting Engineering

232002	CON-109	Emergency Refurb of Storm Pumps 5 & 7
260505	1902658	Rehabilitation of CSO Outfalls – Phase IV
260603	CON-234	Conner Creek CSO Basin Rehabilitation
260615	1902040	Site Improvement at Leib & Puritan Fenkell CSO Facilities
277001	1902908	Baby Creek CSO Effluent Conduit Access & Sedimentation Mitigation

\$272.9 million is in CWIP as of June 30, 2022, as shown for the Water System in B1.

\$193.0 million is in CWIP as of June 30, 2022, as shown for the Wastewater System in B2.

The order of these appendices on the subsequent pages are in ascending order by CIP project number.

Great Lakes Water Authority
Water System Construction Work-in-Progress (CWIP) FY 2022 Rollforward
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022

Project	Project Name	Total Project Plan		FY 2022 Board Approved CIP	FY 2022 Board Approved CIP With Project Amendments		FY 2022 Activity through June 30, 2022	Life to Date Capitalization / Expense through June 30, 2022		Life to Date Activity Through June 30, 2022		Life to Date Activity / Total Project Plan Estimate
		Estimate from FY 2022-2026 CIP	CWIP Balance July 1, 2021		FY 2022 Board Approved CIP	FY 2022 Activity through June 30, 2022		Capitalization / Expense through June 30, 2022	CWIP Balance June 30, 2022	Activity Through June 30, 2022		
111001	Energy Management: Lake Huron Water Treatment Plant Low Lift Pumping Improvements	\$ 57,178,250	\$ 1,897,571	\$ 1,962,266	1,962,266	\$ 1,020,679	\$ -	\$ 2,918,249	\$ 2,918,249		5%	
111002	LHWTP Backflow Replacement	8,705,313	-	-	-	-	8,717,768	-	8,717,768		100%	
111004	Electrical Tunnel Rehabilitation at Lake Huron WTP	3,892,689	-	-	-	-	3,892,299	-	3,892,299		100%	
111006	Replacement of Filter Instrumentation and Raw Water Flow Metering Improvements at Lake	16,789,745	1,273,880	5,196,046	5,196,046	7,642	-	1,281,522	1,281,522		8%	
111007	Lake Huron WTP-Raw Sludge Clarifier and Raw Sludge Pumping System Improvements	9,181,107	8,448,408	184,222	184,222	418,696	8,867,103	-	8,867,103		97%	
111008	LHWTP Architectural Programming - Lab	1,196,283	-	-	-	-	-	-	-		0%	
111009	Lake Huron WTP-35 MGD HLP, Flow Meters	30,480,734	1,726,061	1,061,103	1,061,103	1,309,030	-	3,035,092	3,035,092		10%	
111010	Lake Huron Water Treatment Plant -Filtration and Pretreatment Improvements	42,206,783	-	-	-	-	-	-	-		0%	
111011	Lake Huron WTP Pilot Plant	3,247,998	198,694	1,719,487	1,719,487	2,038,020	-	2,236,714	2,236,714		69%	
111012	LHWTP-Flocculation Improvements	26,538,016	1,057	537,632	1,510,632	462,745	-	463,802	463,802		2%	
112002	Low Lift Pumping Plant Caisson Rehabilitation at Northeast WTP	1,172,880	-	-	-	-	1,169,962	-	1,169,962		100%	
112003	NE WTP High Lift Pumping Electrical	71,545,621	223,875	173,058	173,058	312,466	-	536,340	536,340		1%	
112005	Northeast Water Treatment Plant - Replacement of Covers for Process Water Conduits	1,088,655	937,879	4,892	4,892	-	937,879	-	937,879		86%	
112006	Northeast Water Treatment Plant Flocculator Replacements	11,316,013	254,450	2,521,861	2,521,861	79,368	-	333,817	333,817		3%	
113001	Southwest Water Treatment Plant, Sludge Treatment & Waste Wash water Treatment Facilit	-	-	-	-	20,182	171,079	20,182	191,262		0%	
113002	High Lift Pump Discharge Valve Actuators Replacement at Southwest WTP	6,728,375	-	501,031	501,031	-	5,798,535	-	5,798,535		86%	
113003	Replacement of Butterfly Valves	21,811,953	110	-	-	(110)	-	-	-		0%	
113006	SW WTP Chloring Scrubber	7,330,660	204,126	4,683,170	2,805,737	2,278,587	-	2,482,713	2,482,713		34%	
113007	Architectural and Building Mechanical	3,167,022	-	-	-	-	-	-	-		0%	
114001	Springwells Water Treatment Plant 1958 Filter Rehabilitation and Auxiliary Facilities	80,828,071	-	-	-	-	99,764,892	-	99,764,892		123%	
114002	Springwells Water Treatment Plant - Low Lift and High Lift Pump Station	224,221,541	12,944,042	16,546,006	16,546,006	9,523,623	-	22,467,665	22,467,665		10%	
114003	Water Production Flow Metering Improvements at NE, SW, and SPW WTP	8,155,919	0	-	-	-	8,167,884	0	8,167,884		100%	
114005	Springwells WTP Admin Building Improvements	9,259,571	1,178,639	3,660,252	3,660,252	32,996	-	1,211,635	1,211,635		13%	
114006	Replacement of Rapid Mix Units at Springwells WTP 1958 Process Train	-	10,674	-	-	-	1,021,039	10,674	1,031,712		0%	
114007	Powder Activated Carbon Systems	4,020,591	-	-	-	-	-	-	-		0%	
114008	1930 Sedimentation Basin Sluice Gates, Guides & Hoists Improvements at Springwells WTP	13,923,254	11,142,286	2,484,952	2,484,952	611,639	-	11,753,925	11,753,925		84%	
114010	Yard Piping Improvements	200,471,687	531,529	1,568,415	1,568,415	1,173,516	-	1,705,045	1,705,045		1%	
114011	Steam, Condensate Return, and Compressed Air Piping Improvements at Springwells WTP	25,540,354	18,464,648	5,373,516	5,373,516	5,757,736	277,017	23,945,367	24,222,384		95%	
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	4,923,914	-	-	-	-	4,706,751	-	4,706,751		96%	
114016	Springwells Water Treatment Plant 1958 Settled Water Conduits Concrete Pavement Replacement	2,280,781	428,322	566,115	901,115	1,153,408	1,566,470	15,260	1,581,730		69%	
114017	Springwells Water Treatment Plant Flocculator Drive Replacement	12,358,115	189,943	370,545	370,545	705,951	-	895,893	895,893		7%	
114018	Springwells Water Treatment Plant - Service Building Electrical Substation and Miscellaneous Improvements	1,544,706	-	80,013	80,013	-	-	-	-		0%	

Great Lakes Water Authority
Water System Construction Work-in-Progress (CWIP) FY 2022 Rollforward
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022

Project	Project Name	Total Project Plan	CWIP Balance	FY 2022	FY 2022 Board	FY 2022	Life to Date	CWIP Balance	Life to Date	Life to Date
		Estimate from		Board	Approved CIP					
		FY 2022-2026 CIP	July 1, 2021	Approved CIP	With Project Amendments	June 30, 2022	Expense through June 30, 2022	June 30, 2022	June 30, 2022	Total Project Plan Estimate
115001	Yard Piping, Valves and Venturi Meters Replacement at Water Works Park	54,815,232	5,749,771	6,321,527	6,808,728	6,287,245	-	12,037,016	12,037,016	22%
115003	Comprehensive Condition Assessment at Waterworks Park WTP	514,004	-	-	-	-	-	-	-	0%
115004	Water Works Park WTP Chlorine System Upgrade	6,892,656	9,563	-	-	-	6,957,032	9,563	6,966,596	101%
115005	WWP WTP Building Ventilation Improvements	4,923,595	563,444	522,778	522,778	201,071	-	764,514	764,514	16%
115006	Water Works Park Site/Civil Improvements	5,881,718	-	-	-	-	-	-	-	0%
115007	Water Works Park High Lift Pumping Station Modernization	88,946,247	-	280,105	280,105	-	-	-	-	0%
116002	Pennsylvania, Springwells and Northeast Raw Water Supply Tunnel Improvements based on	94,880,203	25,947,664	8,359,585	8,359,585	25,480,321	4,685,231	51,427,985	56,113,216	59%
116005	Belle Isle Seawall Rehabilitation	1,831,677	-	318,843	76,741	702	-	702	702	0%
116006	Belle Isle Intake System Rehabilitation and Improvements	350,000	-	-	-	-	-	-	-	0%
122003	New Waterworks Park to Northeast Transmission Main	143,217,044	21,324,515	14,593,187	14,593,187	13,631,488	29,790,267	5,165,736	34,956,003	24%
122004	96-inch Main Relocation, Isolation Valves Installations, and New Parallel Main	144,852,077	9,673,781	2,576,909	4,776,651	6,547,427	148,741	16,072,467	16,221,208	11%
122005	Replacement Schoolcraft Watermain	15,325,893	6,260,526	7,606,560	7,606,560	8,037,130	13,656,834	640,821	14,297,655	93%
122006	Transmission System Water Main Work-Wick Road Parallel Water Main	22,419,614	17,132,964	4,773,529	5,244,294	5,374,383	20,751,264	1,756,084	22,507,348	100%
122007	Design and Construction of a new Newburgh Road 24" Main along Newburgh Road between Ch	22,154,359	1,805	26,909	26,909	(1,805)	-	-	-	0%
122011	Park-Merriman Water Main-Final Phase	9,600,066	295,202	7,836	358,709	430,108	6,435,948	725,309	7,161,257	75%
122012	36-inch Water Main in Telegraph Road	9,870,398	-	-	-	-	9,986,284	-	9,986,284	101%
122013	Lyon Township Transmission Main Extension Project	105,180,009	9,960,713	37,593,404	37,513,658	18,216,329	357,808	28,177,042	28,534,850	27%
122016	Downriver Transmission Loop	37,067,100	1,620,310	664,877	664,877	830,542	-	2,450,853	2,450,853	7%
122017	7 Mile/Nevada Transmission Main Rehab and Carrie/Nevada Flow Control Station	60,188,759	1,454,251	1,943,731	1,943,731	4,592,071	-	6,046,322	6,046,322	10%
122018	Garland, Hurlbut, Bewick Water Transmission System Rehabilitation	54,102,536	-	1,530,061	1,530,061	1,381,474	-	1,381,474	1,381,474	3%
132003	Isolation Gate Valves for Line Pumps for West Service Center Pumping Station	1,961,708	-	-	-	-	1,742,479	-	1,742,479	89%
132006	Pressure and Control Improvements at the Electric, Ford Road, Michigan, and West Chica	3,363,699	-	-	-	1,731	3,226,045	1,731	3,227,776	96%
132007	Energy Management: Freeze Protection Pump Installation at Imlay Pumping Station	5,187,314	927,112	3,962,267	3,962,267	178,038	-	1,105,151	1,105,151	21%
132008	Needs Assessment Study for all Water Booster Pumping Stations	1,675,441	-	-	-	-	-	-	-	0%
132010	West Service Center/Duval Rd Division Valve Upgrades	45,142,158	9,058,202	17,149,461	17,149,461	19,117,774	-	28,175,975	28,175,975	62%
132012	Ypsilanti PS Improvements	35,393,046	515,125	584,384	584,384	144,003	-	659,128	659,128	2%
132014	Adams Road Booster Pumping Improvements	52,864,694	83,262	203,019	203,019	-	-	83,262	83,262	0%
132015	Newburgh BPS	45,044,000	444,073	733,037	733,037	49,814	-	493,886	493,886	1%
132016	North Service Center BPS Improvements	68,255,116	363,478	673,058	673,058	8,337	-	371,816	371,816	1%
132018	Schoolcraft BPS	47,317	47,317	-	-	-	-	47,317	47,317	100%
132019	Wick Road BPS - Switchgear	9,358,231	56,912	-	-	-	-	56,912	56,912	1%
132020	Franklin BPS - Isolation Gate Valves	2,544,535	93,160	-	-	-	-	93,160	93,160	4%
132021	Imlay BPS - Replace VFDs, Pumps & Motors	749,810	227,346	-	-	-	-	227,346	227,346	30%
132022	Joy Road BPS - Replace Reservoir Pumps	39,613,214	71,380	276,909	276,909	-	-	71,380	71,380	0%
132025	Northwest Booster Station Yard Piping Improvements	-	20,306	-	-	-	-	20,306	20,306	0%
132026	Franklin Pumping Station Valve Replacement	1,006,467	-	-	-	-	975,327	-	975,327	97%
170102	Water Production Plant Flow Metering Improvements at NE, SP & SW WTP	372,374	373,640	-	-	-	-	373,640	373,640	100%
170109	Inspection of Raw Water Intakes and Tunnels	1,656,069	-	-	-	-	-	-	-	0%

Great Lakes Water Authority
Water System Construction Work-in-Progress (CWIP) FY 2022 Rollforward
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022

Project	Project Name	Total Project Plan	CWIP Balance	FY 2022	FY 2022 Board	FY 2022	Life to Date	CWIP Balance	Life to Date	Life to Date
		Estimate from		Board	Approved CIP					
		FY 2022-2026 CIP	July 1, 2021	Approved CIP	With Project Amendments	June 30, 2022	June 30, 2022	June 30, 2022	June 30, 2022	Total Project Plan Estimate
170120	Phosphoric Acid Feed System Improvements at Southwest WTP	1,625	-	-	-	-	634,509	-	634,509	39047%
170200	As Needed Construction Materials, Environmental Media and Special Allowance	1,427,227	-	146	146	-	-	-	-	0%
170300	Water Treatment Plant Automation Program	13,249,000	9,000	6,151,000	4,482,191	(9,000)	-	-	-	0%
170301	Water Plant Automation	-	1,755,142	-	-	-	-	1,755,142	1,755,142	0%
170302	SW WTP SCADA Improvements	9,000,000	74,413	3,605,928	5,274,737	1,066,499	-	1,140,911	1,140,911	13%
170303	WWP WTP Power Monitoring Installation	1,700,000	203,628	514,474	514,474	1,513,001	-	1,716,628	1,716,628	101%
170304	WWP WTP SCADA Upgrade	-	13,947	-	-	247,195	-	261,142	261,142	0%
170400	Water Transmission Improvement Program	33,171,211	-	1,033,961	1,033,961	-	-	-	-	0%
170401	Emergency Bypass Around Ypsilanti Station	1,661,231	-	-	-	-	2,633,282	-	2,633,282	159%
170500	Transmission System Valve Assessment and Rehabilitation/Replacement Program	5,350,164	-	232,066	42,066	-	-	-	-	0%
170503	Transmission System Valve Assessment and Rehabilitation/Replacement B	10,071,663	2,110,241	1,304,975	1,304,975	1,052,943	-	3,163,184	3,163,184	31%
170504	Repair of WTM, Valves, & Priority Repair	-	-	-	190,000	8,514,195	-	8,514,195	8,514,195	0%
170600	Water Transmission Main Asset Assessment Program	8,438,215	-	24,218	24,218	-	-	-	-	0%
170800	Reservoir Inspection, Design and Rehabilitation Program	23,827,344	-	321,527	321,527	-	-	-	-	0%
170801	Reservoir Inspection, Design and Rehabilitation	15,090,049	11,457,639	463,000	573,000	6,621,636	7,184,856	10,894,420	18,079,275	120%
170900	Suburban Water Meter Pit Rehabilitation and Meter Replacement Program	40,718,957	-	1,159,000	1,159,000	-	-	-	-	0%
170901	Suburban Water Meter Pit Rehabilitation and Meter Replacement	10,616,499	8,531,114	2,838,297	1,151,383	1,484,309	7,703,013	2,312,410	10,015,423	94%
170902	Brownstown Meter Pit Rehabilitation	1,245,254	219,873	593,887	593,887	-	-	219,873	219,873	18%
171500	Roof Replacement - Var Facilities Program	22,710,989	-	10,764	10,764	-	-	-	-	0%
171501	Roof Replacements - Var Facilities Program	3,484,352	-	-	-	-	3,354,843	-	3,354,843	96%
331003	Masonry Replacement and Rehabilitation	25,000,000	-	-	-	-	-	-	-	0%
341001	Security Infrastructure Improvements	9,169,807	8,139,352	567,392	567,392	1,079,340	1,138,691	9,218,693	10,357,384	113%
351001	Water Facility Lighting Renovations	699,523	6,667	37,632	37,632	-	-	6,667	6,667	1%
380600	General Engineering Services Allowance	55,126	-	-	-	-	-	-	-	0%
380700	As-needed Engineering Services for Concrete Testing, Geotechnical Soil Borings, other Testing Services, and Related Services Allowance	2,130,722	-	455,655	455,655	-	-	-	-	0%
381000	Energy Management: Electric Metering Improvement Program	2,623,926	-	-	-	-	-	-	-	0%
Grand Total		\$ 2,353,709,015	\$ 204,853,029	\$ 179,210,481	180,250,867	\$ 158,984,475	\$ 352,703,319	\$ 272,954,060	\$ 625,657,379	27%
				Project Amendments:	1,040,387					

**Great Lakes Water Authority
Wastewater System Construction Work-in-Progress (CWIP) FY 2022 Rollforward
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022**

Project	Project Name	Total Project Plan Estimate from FY 2022-2026 CIP	CWIP Balance July 1, 2021	FY 2022 Board Approved CIP	FY 2022 Board Approved CIP With Project Amendments	FY 2022 Activity through June 30, 2022	Life to Date Capitalization / Expense Through June 30, 2022	CWIP Balance June 30, 2022	Life to Date Activity through June 30, 2022	Life to Date Activity / Total Project Plan Estimate
211001	Rehabilitation of Primary Clarifiers Rectangular Tanks, Drain Lines, Electrical/Mechanical Building and Pipe Gallery	\$ 54,061,159	\$ -	\$ -	\$ -	\$ -	\$ 54,748,738	\$ -	\$ 54,748,738	101%
211002	Pump Station No. 2 Pumping Improvements	3,340,152	2,517,234	-	-	116,981	-	2,634,215	2,634,215	79%
211003	Rehabilitation of Primary Clarifiers	-	-	-	-	-	-	-	-	0%
211004	Pump Station 1 Rack & Grit and MPI Sampling Station 1 Improvements	23,295,382	27,865,682	-	-	29,318	27,895,001	(0)	27,895,001	120%
211005	Pump Station No. 2 Improvements	13,797,096	2,176	-	-	12,687	-	14,864	14,864	0%
211006	Pump Station No. 1 Improvements	68,709,404	3,491,519	3,060,848	3,060,848	2,523,125	-	6,014,644	6,014,644	9%
211007	Replacement of Bar Racks and Grit Collection System at Pump Station No. 2	76,228,576	1,509,443	2,303,172	2,303,172	3,808,833	-	5,318,275	5,318,275	7%
211008	Rehabilitation of Ferric Chloride Feed systems at the Pump Station -1 and Complex B Sludge Lines	11,387,944	1,870,766	5,358,083	7,431,083	3,617,544	-	5,488,309	5,488,309	48%
211009	Rehabilitation of the Circular Primary Clarifier Scum Removal System	13,007,908	39,674	476,043	476,043	161,979	-	201,653	201,653	2%
211010	Rehabilitation of Sludge Processing Complexes A and B	13,934,471	94,270	-	-	67	-	94,337	94,337	1%
211011	WRRF PS1 Screening and Grit Improvements	93,303,153	-	-	-	-	-	-	-	0%
212001	Returned Activated Sludge (RAS) Pumps, Influent Mixed Liquor System and Motor Control Centers (MCC) Improvements for Secondary Clarifiers	-	-	-	-	-	34,089,672	-	34,089,672	0%
212002	Study, Design, & Construction, Management Services for Modified Detroit River Outfall No. 2 - WRRF	-	(0)	-	-	-	10,819,300	(0)	10,819,300	0%
212003	Aeration System Improvements	14,643,450	-	-	-	-	16,524,875	-	16,524,875	113%
212004	Project Chlorination/Dechlorination Process Equipment Improvements	5,742,203	5,642,328	-	-	8,173	5,650,501	-	5,650,501	98%
212005	Rouge River Outfall No. 2 (RRO-2) Segment 1-WWTP Modifications	-	-	-	-	-	251,881	-	251,881	0%
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	49,871,040	2,247	9,900	9,900	-	-	2,247	2,247	0%
212008	WRRF Rehabilitation of Intermediate Lift	81,931,310	583,363	2,566,737	2,566,737	385,044	-	968,407	968,407	1%
212009	WRRF Aeration Improvements 3 and 4	73,588,564	-	-	-	-	-	-	-	0%
212010	WRRF Conversion of Disinfection of all Flow to Sodium Hypochlorite and Sodium Bisulfite	5,765,452	-	-	-	-	-	-	-	0%
213001	Replacement of Belt Filter Presses for Complex I and Upper Level Complex II	-	-	-	-	-	36,669,231	-	36,669,231	0%
213002	Rehabilitation of Central Offload Facility	-	-	-	-	-	-	-	-	0%
213003	Sewage Sludge Incinerator Air Quality Improvements at WRRF	-	-	-	-	-	36,675,871	-	36,675,871	0%
213004	Biosolids Dryer Facility at WRRF	-	-	-	-	-	2,408,470	-	2,408,470	0%
213005	Complex I Incinerators Decommissioning and Reusability	-	-	-	-	-	739,342	-	739,342	0%
213006	Improvements to Sludge Feed Pumps at Dewatering Facilities	4,489,934	194,357	342,468	342,468	102,643	-	297,000	297,000	7%
213007	Construction of the Improved Sludge Conveyance and Lighting System at the WWTP	22,162,273	20,120,012	2,499,064	3,349,064	1,668,957	-	21,788,969	21,788,969	98%
213008	Rehabilitation of the Wet and Dry Ash Handling Systems	8,432,039	151,058	295,324	295,324	-	-	151,058	151,058	2%
213009	Phosphorous Recovery Facility at the WWRF	-	-	-	-	-	-	-	-	0%
214001	Relocation of Industrial Waste Division and Analytical Laboratory Operations	12,651,082	11,949,799	-	-	68,124	14,300,183	0	14,300,183	113%
215001	Rehabilitation of Combined Sewer Overflow (CSO) Retention Treatment Basins (RTB), Screening and Disinfection Facilities (SDF)	-	0	-	-	-	1,699,489	0	1,699,489	0%
216001	Underground Electrical Duct Bank Repair and EB-1, EB-2, and EB-10 Primary Power Service Improvements - WRRF	-	-	-	-	-	32,685,875	-	32,685,875	0%
216002	Plant-wide Fire Alarm Systems Upgrade/ Integration and Fire Protection Improvements	-	-	-	-	-	849,278	-	849,278	0%
216003	Repair Potable Water, Screened Final Effluent, natural Gas, and Compressed Air Pipelines at the WWTP	-	-	-	-	-	-	-	-	0%
216004	Rehabilitation of Various Sampling Sites and PS# 2 Ferric Chloride System at WWTP	6,645,397	3,070,854	75,940	293,860	3,267,937	-	6,338,791	6,338,791	95%
216006	Rehabilitation of the Screened Final Effluent (SFE) Pump Station and Secondary Water System	23,874,377	1,038,944	558,406	1,243,856	2,722,589	-	3,761,533	3,761,533	16%
216007	DTE Primary Electric 3rd Feed Supply Line to the WRRF	4,544,429	3,380,783	393,514	393,514	83,964	4,008,247	(0)	4,008,247	88%
216008	Rehabilitation of Screened Final Effluent (SFE) Pump Station	40,820,651	262,035	906,386	906,386	1,402,972	-	1,665,007	1,665,007	4%
216009	Logistics & Material Facility	164,904	-	-	-	-	-	-	-	0%

Great Lakes Water Authority
Wastewater System Construction Work-in-Progress (CWIP) FY 2022 Rollforward
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022

Project	Project Name	Total Project Plan	CWIP Balance	FY 2022	FY 2022 Board	FY 2022	Life to Date	CWIP Balance	Life to Date	Life to Date
		Estimate from		Board	Approved CIP		Capitalization /		Activity through	Activity /
		FY 2022-2026 CIP	July 1, 2021	Approved CIP	With Project	June 30, 2022	Expense Through	June 30, 2022	June 30, 2022	Total Project
216010	WRRF Facility Optimization	10,270,771	-	57,420	57,420	-	-	-	-	0%
216011	WRRF Structural Improvements	12,333,080	-	2,051,568	2,051,568	25,011	-	25,011	25,011	0%
216012	WRRF Research Facility	-	-	-	-	14,071	14,071	-	14,071	0%
222001	Intercommunity Relief Sewer Modifications in Detroit Oakwood District	53,397,144	475,416	790,559	1,453,944	1,337,274	-	1,812,691	1,812,691	3%
222002	Detroit River Interceptor Evaluation and Rehabilitation	72,775,106	37,097,586	11,191,618	3,456,645	5,181,321	-	42,278,907	42,278,907	58%
222003	North Interceptor East Arm (NIEA) Evaluation and Rehabilitation	-	-	-	-	-	-	-	-	0%
222004	Collection System Valve Remote Operation Structures Improvements	-	4,246	-	-	-	-	4,246	4,246	0%
222005	Collection System Access Hatch Improvements	-	-	-	-	-	-	-	-	0%
222007	North Interceptor East Arm (NIEA) Evaluation and Rehabilitation from WRRF to Gratiot Ave. and Sylvester St.	-	-	-	-	-	-	-	-	0%
232001	Fairview Pumping Station - Replace Four Sanitary Pumps	40,073,406	30,371,550	12,781,009	10,101,897	8,415,460	-	38,787,010	38,787,010	97%
232002	Freud and Connor Creek Pump Station Improvements	229,278,758	4,582,109	3,357,420	3,357,420	6,011,338	6,000,596	10,570,678	16,571,274	7%
232003	Northeast Pump Station Improvements	-	-	-	-	-	-	-	-	0%
232004	CONDITION ASSESSMENT AT BLUE HILL PUMP STATION	257,420	-	-	-	-	-	-	-	0%
233002	Collection System In System Storage Devices(ISDs) Improvements	-	-	-	-	-	1,524,819	(1,524,819)	-	0%
233003	Rouge River In-system Storage Devices	46,317,488	-	-	-	-	-	-	-	0%
251002	Wastewater System Wide Instrumentation & Controls Software and Hardware Upgrade	-	-	-	-	-	-	-	-	0%
260100	Water Resource Recovery Facility (WRRF), Lift Station & Wastewater Collection System Allowance	-	-	-	-	-	-	-	-	0%
260101	Plant-Wide Replacement of Emergency Lighting	-	-	-	-	-	1,245,972	-	1,245,972	0%
260102	Replace Stairs - WWTP	-	-	-	-	-	109,082	-	109,082	0%
260103	Replace 4 DS-706 Centrifuges WWTP	-	-	-	-	-	779,079	-	779,079	0%
260104	Pur Installation of EB-25 Unit WWTP	-	-	-	-	-	20,768	-	20,768	0%
260105	Replace Various Air Distribution Equip	-	-	-	-	-	867,574	-	867,574	0%
260107	Pump Station 2 Replacement	-	-	-	-	-	-	-	-	0%
260108	Sanitary Meter Replacement: Neff Road	-	-	-	-	-	376,613	-	376,613	0%
260111	W-3 Construct: Overhead Door	-	-	-	-	-	551,169	-	551,169	0%
260112	Connor Creek	-	-	-	-	-	353,889	-	353,889	0%
260113	Fire Remediation	-	-	-	-	-	19,427,582	-	19,427,582	0%
260200	Sewer and Interceptor Evaluation and Rehabilitation Program	53,748,897	-	-	-	-	-	-	-	0%
260201	Conveyance System Interceptor Rehab	32,282,349	10,587,039	1,479,167	1,479,167	5,820,098	18,542,127	16,407,136	34,949,263	108%
260202	Conveyance System Interceptor Rehab	-	1,904	-	-	-	-	1,904	1,904	0%
260203	Conveyance System Interceptor Rehab	-	-	-	-	-	4,642,133	-	4,642,133	0%
260204	Energy Services for Rehabilitation of Conveyance Sewer System	52,157,408	943,846	11,646,299	10,669,272	979,257	-	1,923,103	1,923,103	4%
260205	NWI Outfall Rehabilitation	10,937,891	267,139	5,045,936	5,045,936	67,610	-	334,750	334,750	3%
260206	Conveyance System Rehabilitation - Interceptors	47,821,376	22,180	7,045,936	7,045,936	373,499	-	395,678	395,678	1%
260207	Rehabilitation of Woodward Sewer System	-	1,229,440	-	-	2,347,331	-	3,576,770	3,576,770	0%
260208	Linwood/Lonyo/Ashland/2nd Ave/Shiawassee	-	-	-	-	34,697	-	34,697	34,697	0%
260300	Schedule Replacement Program of Critical Assets	-	-	-	-	-	-	-	-	0%
260301	Roof Replacement of Complex II	-	-	-	-	-	1,672,747	-	1,672,747	0%
260400	Sewage Meter Design, Installation, Replacement and Rehabilitation Program	-	-	-	-	-	-	-	-	0%
260500	CSO Outfall Rehab	5,000,000	-	832,953	832,953	-	-	-	-	0%
260501	CSO Outfall Rehab	-	-	-	-	-	-	-	-	0%
260502	CSO Outfall Rehab	-	-	-	-	-	3,330,002	-	3,330,002	0%
260503	Collection System Backwater Gates	-	-	-	-	-	-	-	-	0%
260504	Rehabilitation of Outfalls - Phase II	5,051,112	-	-	-	22,843	4,900,746	22,843	4,923,589	97%
260505	Rehabilitation of Outfalls - Phase IV	5,718,385	4,938,825	640,637	640,637	770,834	5,709,659	-	5,709,659	100%
260506	Pilot Regulator Orifice Expansion	-	78,641	-	-	-	-	78,641	78,641	0%
260508	B-39 Outfall Rehab	568,620	150,000	180,517	4,004,869	723,311	-	873,311	873,311	154%
260509	B-40 Outfall Rehab	88,500	77,621	-	-	4,687	-	82,308	82,308	93%

**Great Lakes Water Authority
Wastewater System Construction Work-in-Progress (CWIP) FY 2022 Rollforward
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022**

Project	Project Name	Total Project Plan	CWIP Balance	FY 2022	FY 2022 Board	FY 2022	Life to Date	CWIP Balance	Life to Date	Life to Date	
		Estimate from		Board	Approved CIP						Capitalization /
		FY 2022-2026 CIP	July 1, 2021	Approved CIP	With Project	June 30, 2022	Expense Through	June 30, 2022	June 30, 2022	June 30, 2022	Plan Estimate
260510	Conveyance System Rehabilitation - Outfalls	48,863,036	34,594	7,709,560	3,885,208	868,052	-	902,646	902,646	2%	
260600	CSO Facilities Improvements	126,400,000	-	1,000,000	-	-	-	-	-	0%	
260601	Oakwood Drain Valve Improvements	864,218	-	-	-	-	804,574	-	804,574	93%	
260602	CSO Fire Alarm System Improvements	997,619	-	-	-	-	997,619	-	997,619	100%	
260603	Conner Creek CSO Basin Rehab	7,898,362	7,518,411	-	-	222,889	7,675,407	65,894	7,741,300	98%	
260604	Baby Creek CSO Rehab	-	-	-	-	-	366,612	-	366,612	0%	
260605	CSO Facilities CA	-	-	-	-	-	-	-	-	0%	
260606	Puritan Fenkell Roof Replacement	346,540	-	-	-	-	346,540	-	346,540	100%	
260607	Lieb SDF Electrical Improvements	1,032,687	(0)	-	-	-	1,032,508	(0)	1,032,508	100%	
260608	Seven Mile RTB - Roof Replacement	496,699	-	-	-	-	496,699	-	496,699	100%	
260609	Seven Mile RTB - Parking Lot / Sitework	416,597	-	-	-	-	429,557	-	429,557	103%	
260610	Baby Creek MAU Replacement	275,151	-	-	-	-	275,151	-	275,151	100%	
260611	HVAC Improvements At Lieb SDF	395,615	-	-	-	-	412,590	-	412,590	104%	
260613	Baby Creek HVAC Improvements	587,628	529,906	-	-	15,494	545,401	-	545,401	93%	
260614	CSO Facilities Structural Improvements	13,794,118	2,352,725	4,422,021	4,422,021	4,664,103	108,338	6,908,490	7,016,828	51%	
260615	PF & Lieb CSO Facilities Site & Drainage Improvements	801,140	382,407	199,240	199,240	200,037	582,444	-	582,444	73%	
260616	Baby Creek SCO Anchor & Wedge Improvements	782,863	-	-	-	-	770,114	-	770,114	98%	
260617	St. Aubin Chemical Disinfection Improvements	6,966,364	417,052	387,420	387,420	-	-	417,052	417,052	6%	
260618	Oakwood HVAC Improvements	3,966,512	370,525	3,235,005	5,335,005	4,479,882	-	4,850,407	4,850,407	122%	
260619	Control System Upgrade At St. Aubin, Lieb and 7 Mile	116,179	62,766	-	-	-	-	62,766	62,766	54%	
260620	Baby Creek Roof Replacement	640,500	25,848	-	-	585,083	-	610,931	610,931	95%	
260621	Connor Creek Berm Improvements	-	284,034	-	-	1,934,718	-	2,218,752	2,218,752	0%	
260622	CSO Facilities Emergency Generator Improvements	-	893	-	-	94,562	-	95,455	95,455	0%	
260623	Baby Creek Screen Rehabilitation	-	-	-	-	22,933	-	22,933	22,933	0%	
260700	Sewer System Infrastructure Improvements & Pumping Stations	35,901,492	-	3,660,745	3,660,745	-	-	-	-	0%	
260701	Conveyance System Infrastructure Improvements	4,586,079	1,384,239	1,356,302	1,356,302	857,199	-	2,241,437	2,241,437	49%	
260702	Pump Station Assets Updates	669,000	-	-	-	-	-	-	-	0%	
260801	WRRF Sludge Pump Station #3 Roof Replacement	-	-	-	-	-	80,463	-	80,463	0%	
260901	Rehab. Hazmat Facility at WRRF	-	131,014	-	-	95,988	-	227,002	227,002	0%	
260902	WRRF Renovation of 4th Floor	-	49,160	-	-	15,989	-	65,149	65,149	0%	
260903	WRRF Front Entrance Rehab.	-	-	-	-	136,823	-	136,823	136,823	0%	
270001	Pilot CSO Netting Facility	9,573,092	235	13,420	13,420	94	-	329	329	0%	
270002	Meldrum Sewer Diversion and VR-15 Improvements	5,839,631	-	8,580	8,580	-	-	-	-	0%	
270003	Long Term CSO Control Plan	9,267,841	5,596	3,798,606	3,798,606	2,688,516	2,694,112	-	2,694,112	29%	
270004	Oakwood Lieb CSO Facility Improvement	-	3,564	-	-	66,344	-	69,908	69,908	0%	
270005	CSO Safety Improvements & Building Rehab	-	-	-	-	-	-	-	-	0%	
270006	Control System Upgrades - Baby Creek/Belle	-	-	-	-	60,163	-	60,163	60,163	0%	
270007	Disinfection System Improvements at CSO	-	-	-	-	285	-	285	285	0%	
270014	Convert to Complete Capture Basin CSO Fa	-	-	-	-	-	-	-	-	0%	
273001	Hubbell Southfield CSO Facility Improvement	-	-	-	-	424,992	-	424,992	424,992	0%	
274001	Leib Improvements for Meldrum Diversion	10,941,804	-	254,232	254,232	-	-	-	-	0%	
277001	Baby Creek Outfall Improvements Project	18,825,761	19,228	1,807,420	1,807,420	483,382	465,167	37,444	502,611	3%	
278001	Oakwood Improvements for NWI Diversion	10,225,804	-	251,772	251,772	-	-	-	-	0%	
331002	Roofing Systems Replacement at GLWA Wastewater Treatment Plant, CSO Retention Treatment Basins (RTB) and Screening Disinfection Facilities (SDF)	8,888,476	-	1,276,569	1,276,569	-	1,123,056	-	1,123,056	13%	
341001	Security Infrastructure Improvements	-	-	-	-	-	-	-	-	0%	
341002	Security Infrastructure Improvements	3,533,510	2,934,004	722,226	722,226	444,610	181,525	3,197,089	3,378,614	96%	
361001	Consolidated Process Control System Upgrades	-	-	-	-	-	315,627	-	315,627	0%	
361002	Data Center Reliability/Availability Improvements	-	-	-	-	-	17,253	-	17,253	0%	
361003	SCADA Radio Network Upgrade	-	-	-	-	-	852,872	-	852,872	0%	
380400	As-needed CIP Implementation Assistance and Related Services	-	-	-	-	-	-	-	-	0%	

Great Lakes Water Authority
Wastewater System Construction Work-in-Progress (CWIP) FY 2022 Rollforward
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022

Project	Project Name	Total Project Plan	CWIP Balance	FY 2022 Board	FY 2022 Board	FY 2022	Life to Date	CWIP Balance	Life to Date	Life to Date
		Estimate from	July 1, 2021	Approved CIP	With Project	Activity through	Capitalization /	June 30, 2022	Activity through	Activity /
		FY 2022-2026 CIP		Approved CIP	Amendments	June 30, 2022	June 30, 2022	June 30, 2022	June 30, 2022	Total Project Plan Estimate
380401	PMA: As Needed CIP Services	-	-	-	-	-	-	-	-	0%
380500	Department-wide General Engineering Services on an As-needed Basis	-	-	-	-	-	-	-	-	0%
380501	MetcoServices:General Engineer	-	-	-	-	-	-	-	-	0%
380600	General Engineering Services Allowance	-	-	-	-	-	-	-	-	0%
380601	General Engineering Services Allowance	-	-	-	-	-	-	-	-	0%
380701	Engineering Svc Concrete Testing,Soil Borings	-	-	-	-	-	-	-	-	0%
380801	Nth Consultants: As needed GIS	-	-	-	-	-	-	-	-	0%
380900	General Engineering Services Allowance	-	-	-	-	-	-	-	-	0%
380901	Sigma Assoc: General Engineering	-	-	-	-	-	-	-	-	0%
381000	Energy Management: Electric Metering Improvement Program	-	-	-	-	-	-	-	-	0%
900015	#N/A	-	-	-	-	-	846,541	-	846,541	0%
276002	Replacement Make-up Air Unit at CON	-	-	-	-	8,172	-	8,172	8,172	0%
260209	Sewer Repair Contract - As Needed	-	-	-	-	3,836	-	3,836	3,836	0%
260802	2022 WRRF Roof Improvements Project	-	-	-	-	44,637	-	44,637	44,637	0%
260904	WRRF 3rd Floor Renovation	-	-	-	-	2,752	-	2,752	2,752	0%
261001	Rehabilitation of Secondary Clarifiers	-	-	-	-	738	-	738	738	0%
260210	Linwood/Lonyo/Ashland/2nd Ave/Shiawassee	-	-	-	-	209	-	209	209	0%
Grand Total		\$ 1,782,153,110	\$ 191,120,285	\$ 106,050,041	\$ 100,248,682	\$ 70,532,064	\$ 415,376,481	\$ 193,100,463	\$ 608,476,945	34%
				Project Amendments:	(5,801,359)					

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 2022 Capital Improvement Plan.

\$1,040,387 of Capital Reserve project amendments have been prepared as of June 30, 2022, as shown for the Water System in C1 with project amendments detailing the assignment of funding within Program and Allowance accounts.

\$5,801,359 of Capital Reserve project amendments have been prepared as of June 30, 2022, as shown for the Wastewater system in C2 with project amendments detailing the assignment of funding within Program and Allowance accounts.

The order of these appendices on the subsequent pages are in ascending order by CIP project number.

**Great Lakes Water Authority
Water System Project Amendment Summary
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022**

Project	Project Name	Capital Reserve	Program / Allowance	Grand Total
111012	LHWTP-Flocculation Improvements	\$ 973,000		\$ 973,000
113006	SW WTP Chloring Scrubber	(1,877,433)		(1,877,433)
114016	Springwells Water Treatment Plant 1958 Settled Water Conduits Concrete Pavement Replacement	335,000		335,000
115001	Yard Piping, Valves and Venturi Meters Replacement at Water Works Park	487,201		487,201
122006	Transmission System Water Main Work-Wick Road Parallel Water Main	470,765		470,765
122013	Lyon Township Transmission Main Extension Project	(79,745)		(79,745)
170300	Water Treatment Plant Automation Program		(1,668,809)	(1,668,809)
170302	SW WTP SCADA Improvements		1,668,809	1,668,809
170500	Transmission System Valve Assessment and Rehabilitation/Replacement Program		(190,000)	(190,000)
170504	Repair of WTM, Valves, & Priority Repair		190,000	190,000
170801	Reservoir Inspection, Design and Rehabilitation	110,000		110,000
116005	Belle Isle Seawall Rehabilitation	(242,102)		(242,102)
170901	Suburban Water Meter Pit Rehabilitation and Meter Replacement	(1,686,914)		(1,686,914)
122004	96-inch Main Relocation, Isolation Valves Installations, and New Parallel Main	2,199,742		2,199,742
122011	Park-Merriman Water Main-Final Phase	350,873		350,873
Grand Total		\$ 1,040,387	\$ -	\$ 1,040,387

**Great Lakes Water Authority
Wastewater System Project Amendment Summary
Unaudited Activity For the Fiscal Quarter Ended June 30, 2022**

Project	Project Name	Capital Reserve	Program / Allowance	Grand Total
211008	Rehabilitation of Ferric Chloride Feed systems at the Pump Station -1 and Complex B Sludge Lines	\$ 2,073,000		\$ 2,073,000
260508	B-39 Outfall Rehab		3,824,352	3,824,352
260510	Conveyance System Rehabilitation - Outfalls		(3,824,352)	(3,824,352)
260600	CSO Facilities Improvements		(1,000,000)	(1,000,000)
260618	Oakwood HVAC Improvements	1,100,000	1,000,000	2,100,000
213007	Construction of the Improved Sludge Conveyance and Lighting System at the WWTP	850,000		850,000
216004	Rehabilitation of Various Sampling Sites and PS# 2 Ferric Chloride System at WWTP	217,920		217,920
216006	Rehabilitation of the Screened Final Effluent (SFE) Pump Station and Secondary Water System	685,450		685,450
222002	Detroit River Interceptor Evaluation and Rehabilitation	(7,734,973)		(7,734,973)
232001	Fairview Pumping Station - Replace Four Sanitary Pumps	(2,679,113)		(2,679,113)
222001	Intercommunity Relief Sewer Modifications in Detroit Oakwood District	663,385		663,385
260204	Energy Services for Rehabilitation of Conveyance Sewer System	(977,028)		(977,028)
Grand Total		\$ (5,801,359)	\$ -	\$ (5,801,359)