

Financial Services Audit Committee Communication

Date: December 16, 2022

To: Great Lakes Water Authority Audit Committee

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

Financial Reporting

Re: FY 2023 Q1 Construction Work-in-Progress Report through September 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 2023 Q1 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 September 30, 2022

For questions, please contact:

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Construction Accounting and Financial Reporting

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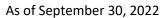




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December 16, 2022

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 September 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.

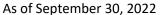
Report Contents and Organization

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 2023 – 2027 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 September 30, 2022. There may, however, be some pay estimates that lag. The totals do not include indirect overhead.

Construction Work-in-Progress Quarterly Report





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 2023-2027 and related CIP Plan for FY 2023 were based on anticipation of FY 2023 activity resulting in 80% of planned spend for the Water system and 75% of planned spend for the Wastewater system. Effective July 1, 2022, GLWA Board of Directors amended a capital spending ratio (SRA) of 100% for the Water system and 100% for the Wastewater system.

The Water System spend for the period ending September 30, 2022, is 90.7% of the FY 2023 board approved CIP, 89.8% of the FY 2023 board approved CIP with project amendments, 113.4% of the FY 2023 Approved Capital Spending Rate Assumption (SRA) and 90.7% of the FY 2023 Amended Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2023 Board Approved CIP was amended from \$194,375,536 to \$196,481,075 is provided in the subsequent Project Amendment Summary appendix of this report.

The Wastewater System spend for the period ending September 30, 2022, is 50.8% of the FY 2023 board approved CIP, 47.8% of the FY 2023 board approved CIP with project amendments, 67.7% of the FY 2023 Approved Capital Spending Rate Assumption (SRA) and 50.8% of the FY 2023 Amended Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2023 Board Approved CIP was amended from \$125,932,245 to \$133,735,233 is provided in the subsequent Project Amendment Summary appendix of this report.

| Water System Projects | FY 2022 | FY 2022 Activity | FY 2022 Percentage | FY 2023 | (Т | FY 2023 Prorated hree Months) | FY 2023 Activity (Unaudited) | FY 2023 Percentage |
|--|---|---|-------------------------|---|----------------|--|--|-----------------------------------|
| FY 2022 Board Approved CIP FY 2022 Board Approved CIP With Project Amendments FY 2022 Capital Spend Rate Assumption (SRA) | \$ 179,210,481 180,250,867 170,249,957 | \$ 158,984,475 158,984,475 158,984,475 | 88.7% 88.2% 93.4% | | | | | |
| FY 2023 Board Approved CIP FY 2023 Board Approved CIP With Project Amendments FY 2023 Capital Spend Rate Assumption (SRA) - Approved FY 2023 Capital Spend Rate Assumption (SRA) - Amended | | | | \$, | \$ \$ \$ | 48,593,884 49,120,269 38,875,107 48,593,884 | \$ 44,092,858 44,092,858 44,092,858 44,092,858 | 90.7% 89.8% 113.4% 90.7% |
| Wastewater System Projects | FY 2022 | FY 2022 Activity | FY 2022 Percentage | FY 2023 | (T | FY 2023 Prorated hree Months) | FY 2023 Activity (Unaudited) | FY 2023 Percentage |
| FY 2022 Board Approved CIP FY 2022 Board Approved CIP With Project Amendments FY 2022 Capital Spend Rate Assumption (SRA) | \$ 106,050,041 100,248,682 74,022,928 | \$ 70,532,064 70,532,064 70,532,064 | 66.5% 70.4% 95.3% | | | | | |
| FY 2023 Board Approved CIP FY 2023 Board Approved CIP With Project Amendments FY 2023 Capital Spend Rate Assumption (SRA) - Approved FY 2023 Capital Spend Rate Assumption (SRA) - Amended | | | | \$ 125,932,245 133,735,233 94,449,184 125,932,245 | \$ \$ \$ | 31,483,061 33,433,808 23,612,296 31,483,061 | \$ 15,988,526 15,988,526 15,988,526 15,988,526 | 50.8% 47.8% 67.7% 50.8% |



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 2023 – 2027 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.

\$317.0 million is in CWIP as of September 30, 2022 as shown for the Water System in A1.

\$208.9 million is in CWIP as of September 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 2023 Rollforward Summary By Jurisdiction
Unaudited Activity For the Fiscal Quarter Ended September 30, 2022

| | | | | FY 2023 Board | | |
|--------------------------------|---------------------------|----------------|----------------|----------------|--------------------|--------------------|
| | Total Project Plan | | FY 2023 | Approved CIP | FY 2023 | |
| | Estimate from | CWIP Balance | Board | With Project | Activity through | CWIP Balance |
| Jurisdiction | FY 2023-2027 CIP | July 1, 2022 | Approved CIP | Amendments | September 30, 2022 | September 30, 2022 |
| | | | | | | |
| City of Detroit | \$ 556,220,042 | \$ 81,436,384 | \$ 63,482,209 | \$ 64,489,409 | \$ 12,488,623 | \$ 93,925,007 |
| | | | | | | |
| Lapeer County | 115,188 | 1,332,496 | 115,188 | 115,188 | 972 | 1,333,468 |
| | | | | | | |
| Mutiple Counties | 583,538,636 | 50,555,675 | 37,374,236 | 37,374,236 | 5,888,513 | 56,444,188 |
| | | | | | | |
| Oakland County | 230,617,369 | 56,921,561 | 46,824,890 | 46,824,890 | 18,359,130 | 75,280,691 |
| | | | | | | |
| Saint Clair County | 201,862,493 | 9,935,379 | 14,840,398 | 14,840,398 | 677,138 | 10,612,517 |
| | | | | | | |
| Wayne County - Outside Detroit | 814,313,380 | 72,772,563 | 31,738,615 | 32,836,954 | 6,678,483 | 79,451,047 |
| | | | | | | |
| Grand Total | \$ 2,386,667,108 | \$ 272,954,060 | \$ 194,375,536 | \$ 196,481,075 | \$ 44,092,858 | \$ 317,046,918 |

Great Lakes Water Authority Wastewater System Construction Work-in-Progress (CWIP) FY 2023 Rollforward Summary By Jurisdiction Unaudited Activity For the Fiscal Quarter Ended September 30, 2022

| | | | | FY 2023 Board | | |
|--------------------------------|---------------------------|---------------------|----------------|----------------|--------------------|---------------------|
| | Total Project Plan | | FY 2023 | Approved CIP | FY 2023 | |
| | Estimate from | CWIP Balance | Board | With Project | Activity through | CWIP Balance |
| Jurisdiction | FY 2023-2027 CIP | July 1, 2022 | Approved CIP | Amendments | September 30, 2022 | September 30, 2022 |
| | | | | | | |
| City of Detroit | \$ 1,157,158,082 | \$ 155,664,232 | \$ 63,607,797 | \$ 65,510,785 | \$ 9,798,445 | \$ 165,462,676 |
| | | | | | | |
| Mutiple Counties | 1,429,049,779 | 36,400,308 | 61,791,748 | 67,691,748 | 5,813,641 | 42,026,676 |
| | | | | | | |
| Wayne County - Outside Detroit | 84,893,787 | 1,035,923 | 532,700 | 532,700 | 376,440 | 1,412,363 |
| | | | | | | |
| Grand Total | \$ 2,671,101,648 | \$ 193,100,463 | \$ 125,932,245 | \$ 133,735,233 | \$ 15,988,526 | \$ 208,901,716 |



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 2023 1st quarter for the following projects:

| <u>Project</u> | <u>Contract</u> | <u>Description</u> |
|----------------|-----------------|---|
| 132015 | 1901767 | Newburgh Road Booster Pumping Station Improvements |
| 232002 | CS-120 | Freud and Connor Creek Pump Station Rehabilitation |
| 260620 | 2100911 | Roof Replacement at Baby Creek CSO Facility |
| 260621 | 1900318-6 | Conner Creek Berm Improvements Task 7T TOE |
| 277001 | 1902908 | Baby Creek CSO Effluent Conduit Access & Sedimentation Mitigation |

\$317.0 million is in CWIP as of September 30, 2022, as shown for the Water System in B1.

\$208.9 million is in CWIP as of September 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 2023 Rollforward Unaudited Activity For the Fiscal Quarter Ended September 30, 2022

| | | Total Project Plan | | FY 2023 | FY 2023 Board Approved CIP | FY 2023 | Life to Date Capitalization / | | Life to Date | Life to Date Activity / |
|------------------|--|--------------------|-------------------|--------------|-------------------------------|--------------------|-------------------------------|--------------------|----------------------|----------------------------|
| | | Estimate from | CWIP Balance | Board | With Project | Activity through | Expense through | CWIP Balance | Activity Through | Total Project |
| Project | Project Name | FY 2023 - 2027 CIP | July 1, 2022 | Approved CIP | Amendments | September 30, 2022 | September 30, 2022 | September 30, 2022 | September 30, 2022 | Plan Estimate |
| Froject | Energy Management: Lake Huron Water Treatment Plant Low Lift Pumping | 11 2023 - 2027 CIF | July 1, 2022 | Approved Cir | Amendments | September 30, 2022 | September 30, 2022 | September 30, 2022 | September 30, 2022 | Fian Estimate |
| 111001 | | \$ 65,910,582 | \$ 2,918,249 \$ | 1,600,000 | \$ 1,600,000 | \$ 104,327 | ¢ . | \$ 3,022,576 | \$ 3,022,576 | 5% |
| 111006 | Replacement of Filter Instrumentation and Raw Water Flow Metering Improvements | 24,600,000 | 1,281,522 | 600,000 | 600,000 | 324 | - | 1,281,846 | 1,281,846 | 5% |
| 111008 | LHWTP Architectural Programming - Lab | 856,479 | - | - | - | - | | - | - | 0% |
| 111009 | Lake Huron WTP-35 MGD HLP, Flow Meters | 19,303,396 | 3,035,092 | 9,021,435 | 9,021,435 | 467,038 | - | 3,502,129 | 3,502,129 | 18% |
| 111010 | Lake Huron Water Treatment Plant -Filtration and Pretreatment Improvements | 58,432,846 | - | - | - | - | | - | - | 0% |
| 111011 | Lake Huron WTP Pilot Plant | 1,617,809 | 2,236,714 | 1,506,378 | 1,506,378 | 102,756 | - | 2,339,470 | 2,339,470 | 145% |
| 111012 | LHWTP-Flocculation Improvements | 31,141,381 | 463,802 | 2,112,585 | 2,112,585 | 2,694 | - | 466,496 | 466,496 | 1% |
| 112003 | NE WTP High Lift Pumping Electrical | 71,748,677 | 536,340 | 1,000,000 | 1,000,000 | 6,358 | - | 542,699 | 542,699 | 1% |
| 112006 | Northeast Water Treatment Plant Flocculator Replacements | 13,800,000 | 333,817 | 2,760,000 | 2,760,000 | 1,260,647 | - | 1,594,464 | 1,594,464 | 12% |
| | Southwest Water Treatment Plant, Sludge Treatment & Waste Wash water Treatment | | | | | | | | | |
| 113001 | Facilit | - | 20,182 | - | - | - | 171,079 | 20,182 | 191,262 | 0% |
| 113003 | Replacement of Butterfly Valves | 21,811,843 | - | - | - | - | - | - | - | 0% |
| 113006 | SW WTP Chloring Scrubber | 4,397,583 | 2,482,713 | 4,397,583 | 4,397,583 | 1,184,789 | - | 3,667,502 | 3,667,502 | 83% |
| 113007 | Architectural and Building Mechanical | 1,000,112 | - | - | - | - | - | - | - | 0% |
| 113008 | Water Supply Pumping Assessment Study | 45,000,001 | - | - | - | - | - | - | - | 0% |
| 114002 | Springwells Water Treatment Plant - Low Lift and High Lift Pump Station | 254,491,128 | 22,467,665 | 12,000,000 | 13,098,339 | 420,109 | - | 22,887,774 | 22,887,774 | 9% |
| 114005 | Springwells WTP Admin Building Improvements | 8,280,000 | 1,211,635 | - | - | 6,350 | - | 1,217,984 | 1,217,984 | 15% |
| 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 | 125 | 11,753,925 | 125 | 125 | 24,340 | • | 11,778,265 | 11,778,265 | 9437712% |
| 114010 | Yard Piping Improvements | 194,585,907 | 1,705,045 | - | - | 99,464 | | 1,804,509 | 1,804,509 | 1% |
| | Steam, Condensate Return, and Compressed Air Piping Improvements at Springwells | 007.007 | 22.045.267 | 007.007 | 007.007 | 222.222 | | 24462650 | 24.450.550 | 20020/ |
| 114011 | | 807,907 | 23,945,367 | 807,907 | 807,907 | 223,290 | • | 24,168,658 | 24,168,658 | 2992% |
| 114016 | Springwells Water Treatment Plant 1958 Settled Water Conduits Concrete Pavement | | 15 260 | _ | _ | (15.001) | 1 566 470 | (721) | 1 565 720 | 0% |
| 114016 114017 | Replacement Springwells Water Treatment Plant Flocculator Drive Replacement | 19,940,000 | 15,260 895,893 | 660,000 | 660,000 | (15,991) 76,694 | 1,566,470 | (731) 972,588 | 1,565,739 972,588 | 5% |
| 114017 | Springwells Water Treatment Plant - Service Building Electrical Substation and | 19,940,000 | 693,693 | 660,000 | 660,000 | 70,094 | • | 972,300 | 972,366 | 570 |
| 114018 | Miscellaneous Improvements | 2,305,000 | _ | 55,000 | 55,000 | _ | | | _ | 0% |
| | Yard Piping, Valves and Venturi Meters Replacement at Water Works Park | 37,502,196 | 12,037,016 | 11,790,097 | 11,790,097 | 5,632,071 | | 17,669,087 | 17,669,087 | 47% |
| 115004 | Water Works Park WTP Chlorine System Upgrade | 37,302,130 | 9,563 | - | - | 5,032,071 | 6,957,032 | 9,563 | 6,966,596 | 0% |
| 115005 | WWP WTP Building Ventilation Improvements | 10,600,000 | 764,514 | 5,400,000 | 6,407,200 | 20,857 | - | 785,371 | 785,371 | 7% |
| 115006 | Water Works Park Site/Civil Improvements | 5,881,717 | - | - | - | - | | - | - | 0% |
| 115007 | Water Works Park High Lift Pumping Station Modernization | 96,750,000 | | | - | | | | | 0% |
| 115009 | Water Works Park Sedimentation Basins Structural Upgrades | 18,339,223 | - | - | - | - | | | | 0% |
| | Pennsylvania, Springwells and Northeast Raw Water Supply Tunnel Improvements | .,, | | | | | | | | |
| 116002 | based on | 54,689,961 | 51,427,985 | 13,663,132 | 13,663,132 | 2,551,167 | 4,685,231 | 53,979,152 | 58,664,383 | 107% |
| 116005 | Belle Isle Seawall Rehabilitation | 2,300,000 | 702 | 600,000 | 600,000 | - | - | 702 | 702 | 0% |
| 116006 | Belle Isle Intake System Rehabilitation and Improvements | 3,363,000 | - | - | - | - | - | - | - | 0% |
| 116007 | System Electrical Power Improvements | 4,000,000 | - | 2,229,508 | 2,229,508 | - | - | - | - | 0% |
| 122003 | New Waterworks Park to Northeast Transmission Main | 119,355,002 | 5,165,736 | 23,903,829 | 23,903,829 | 1,373,204 | 29,790,267 | 6,538,940 | 36,329,207 | 30% |
| 122004 | 96-inch Main Relocation, Isolation Valves Installations, and New Parallel Main | 241,635,895 | 16,072,467 | 15,000,000 | 15,000,000 | 2,170,277 | 148,741 | 18,242,744 | 18,391,485 | 8% |
| 122005 | Replacement Schoolcraft Watermain | - | 640,821 | - | - | 1,072,454 | 13,656,834 | 1,713,275 | 15,370,109 | 0% |
| 122006 | Transmission System Water Main Work-Wick Road Parallel Water Main | - | 1,756,084 | - | - | 1,491,940 | 20,751,264 | 3,248,024 | 23,999,287 | 0% |
| | Design and Construction of a new Newburgh Road 24" Main along Newburgh Road | | | | | | | | | |
| 122007 | between Ch | 22,152,553 | - | - | - | - | - | - | - | 0% |
| 122011 | Park-Merriman Water Main-Final Phase | - | 725,309 | - | - | 7,917 | 6,435,948 | 733,226 | 7,169,175 | 0% |
| 122013 | Lyon Township Transmission Main Extension Project | 74,074,537 | 28,177,042 | 29,635,560 | 29,635,560 | 10,731,650 | 357,808 | 38,908,692 | 39,266,500 | 53% |
| 122016 | Downriver Transmission Loop | 59,114,882 | 2,450,853 | 7,500,000 | 7,500,000 | 42,282 | - | 2,493,135 | 2,493,135 | 4% |
| | | | | | | | | | | |
| 122017 | 7 Mile/Nevada Transmission Main Rehab and Carrie/Nevada Flow Control Station | 58,251,433 | 6,046,322 | 1,023,269 | 1,023,269 | 887,348 | - | 6,933,670 | 6,933,670 | 12% |
| 122018 | Garland, Hurlbut, Bewick Water Transmission System Rehabilitation | 51,939,352 | 1,381,474 | 1,998,892 | 1,998,892 | 611,657 | - | 1,993,132 | 1,993,132 | 4% |
| 122019 | Jefferson Main Replacement | 29,045,043 | - | 827,195 | 827,195 | • | - | - | - | 0% |

Great Lakes Water Authority Water System Construction Work-in-Progress (CWIP) FY 2023 Rollforward Unaudited Activity For the Fiscal Quarter Ended September 30, 2022

| Project | Project Name | Total Project Plan Estimate from FY 2023 - 2027 CIP | CWIP Balance July 1. 2022 | FY 2023 Board Approved CIP | FY 2023 Board Approved CIP With Project Amendments | FY 2023 Activity through September 30, 2022 | Life to Date Capitalization / Expense through September 30, 2022 | CWIP Balance September 30, 2022 | Life to Date Activity Through September 30, 2022 | Life to Date Activity / Total Project Plan Estimate |
|---------|--|---|------------------------------|----------------------------------|---|---|--|------------------------------------|--|---|
| Project | Pressure and Control Improvements at the Electric, Ford Road, Michigan, and West | FT 2023 - 2027 CIP | July 1, 2022 | Approved CIP | Amenuments | September 30, 2022 | September 30, 2022 | September 30, 2022 | September 30, 2022 | Plan Estimate |
| 132006 | Chica | | 1,731 | | | | 3,226,045 | 1,731 | 3,227,776 | 0% |
| 132000 | Cinca | <u> </u> | 1,/31 | | | | 3,220,043 | 1,/31 | 3,227,770 | 078 |
| 132007 | Energy Management: Freeze Protection Pump Installation at Imlay Pumping Station | 115,188 | 1,105,151 | 115,188 | 115,188 | 972 | | 1,106,123 | 1,106,123 | 960% |
| 132010 | West Service Center/Duval Rd Division Valve Upgrades | 17,131,290 | 28,175,975 | 16,689,330 | 16,689,330 | 7,626,965 | | 35,802,940 | 35,802,940 | 209% |
| 132012 | Ypsilanti PS Improvements | 35,980,000 | 659,128 | 200,000 | 200,000 | 1,642,376 | | 2,301,504 | 2,301,504 | 6% |
| 132014 | Adams Road Booster Pumping Improvements | 52,792,189 | 83,262 | - | - | - | | 83,262 | 83,262 | 0% |
| 132015 | Newburgh BPS | 44,096,217 | 493,886 | - | - | 30,000 | - | 523,886 | 523,886 | 1% |
| 132016 | North Service Center BPS Improvements | 81,900,000 | 371,816 | 500,000 | 500,000 | 515 | | 372,331 | 372,331 | 0% |
| 132018 | Schoolcraft BPS | 24,421,349 | 47,317 | - | - | | | 47,317 | 47,317 | 0% |
| 132019 | Wick Road BPS - Switchgear | 24,603,967 | 56,912 | - | - | | | 56,912 | 56,912 | 0% |
| 132020 | Franklin BPS - Isolation Gate Valves | 4,719,353 | 93,160 | - | | | | 93,160 | 93,160 | 2% |
| 132021 | Imlay BPS - Replace VFDs, Pumps & Motors | - | 227,346 | - | - | | | 227,346 | 227,346 | 0% |
| 132022 | Joy Road BPS - Replace Reservoir Pumps | 39,613,215 | 71,380 | - | - | | | 71,380 | 71,380 | 0% |
| 132025 | Northwest Booster Station Yard Piping Improvements | - | 20,306 | - | - | | - | 20,306 | 20,306 | 0% |
| 170102 | Water Production Plant Flow Mettering Improvements at NE, SP & SW WTP | - | 373,640 | - | - | - | | 373,640 | 373,640 | 0% |
| 170109 | Inspection of Raw Water Intakes and Tunnels | 68,000 | - | 68,000 | 68,000 | - | - | - | - | 0% |
| 170300 | Water Treatment Plant Automation Program | 23,248,999 | - | - | - | - | - | - | - | 0% |
| 170301 | Water Plant Automation | - | 1,755,142 | - | - | | | 1,755,142 | 1,755,142 | 0% |
| 170302 | SW WTP SCADA Improvements | 4,000,000 | 1,140,911 | 4,000,000 | 4,000,000 | 372,467 | | 1,513,379 | 1,513,379 | 38% |
| 170303 | WWP WTP Power Monitioring Installation | 876,000 | 1,716,628 | 438,000 | 438,000 | 104,680 | - | 1,821,308 | 1,821,308 | 208% |
| 170304 | WWP WTP SCADA Upgrade | 117,661 | 261,142 | 77,795 | 77,795 | 40,633 | | 301,775 | 301,775 | 256% |
| 170305 | WWP SCADA Network Upgrade | 7,336,000 | - | - | - | - | - | - | - | 0% |
| 170306 | SPW SCADA PLC Network Upgrade | 3,146,000 | - | 1,573,000 | 1,573,000 | | | | | 0% |
| 170307 | NE SCADA Network Upgrade | 2,917,000 | - | - | - | - | | | - | 0% |
| 170400 | Water Transmission Improvement Program | 32,048,610 | - | - | | | | | | 0% |
| | | | | | | | | | | |
| 170500 | Transmission System Valve Assessment and Rehabilitation/Replacement Program | 5,050,585 | - | 276,826 | 276,826 | - | - | - | - | 0% |
| 170503 | Transmission System Valve Assessment and Rehabilitation/Replacement B | 6,574,799 | 3,163,184 | 1,314,960 | 1,314,960 | 1,062,083 | - | 4,225,267 | 4,225,267 | 64% |
| 170504 | Repair of WTM, Valves, & Priority Repair | 6,250,000 | 8,514,195 | 1,250,000 | 1,250,000 | - | - | 8,514,195 | 8,514,195 | 136% |
| 170600 | Water Transmission Main Asset Assessment Program | 242,054 | - | 9,854 | 9,854 | - | - | - | - | 0% |
| 170601 | Linear System Integrity Program | 7,266,454 | - | 1,815,370 | 1,815,370 | - | - | - | - | 0% |
| 170800 | Reservoir Inspection, Design and Rehabilitation Program | 114,613 | - | 12,727 | 12,727 | - | - | | - | 0% |
| 170801 | Reservoir Inspection, Design and Rehabilitation | 7,295,000 | 10,894,420 | 6,830,000 | 6,830,000 | 899,312 | 7,184,856 | 11,793,732 | 18,978,588 | 260% |
| 170802 | Reservoir Inspection, Design | 41,000,000 | - | 8,000,000 | 8,000,000 | 1,344,970 | | 1,344,970 | 1,344,970 | 3% |
| 170803 | Reservoir Inspection, Design, and Construction Mangement Services Phase III | 93,916,000 | - | - | - | - | - | - | - | 0% |
| 170900 | Suburban Water Meter Pit Rehabilitation and Meter Replacement Program | 40,000,000 | - | - | - | - | | - | - | 0% |
| 170901 | Suburban Water Meter Pit Rehabilitation and Meter Replacement | - | 2,312,410 | - | - | 411,497 | 7,703,013 | 2,723,908 | 10,426,920 | 0% |
| 170902 | Brownstown Meter Pit Rehabilitation | 545,000 | 219,873 | 545,000 | 545,000 | - | - | 219,873 | 219,873 | 40% |
| 171500 | Roof Replacement - Var Facilities Program | 15,908,438 | - | - | - | - | - | - | - | 0% |
| 171502 | Lake Huron and Southwest Roof Replacement | 2,703,038 | - | - | - | - | | - | - | 0% |
| 341001 | Security Infrastructure Improvements | - | 9,218,693 | - | - | 373 | 1,138,691 | 9,219,066 | 10,357,757 | 0% |
| 351001 | Water Facility Lighting Renovations | - | 6,667 | - | - | - | | 6,667 | 6,667 | 0% |
| 381000 | Energy Management: Electric Metering Improvement Program | 2,623,926 | - | 566,991 | 566,991 | - | - | - | - | 0% |
| 383300 | Masonry Replacement and Rehabilitation Program | 25,000,001 | - | - | - | - | - | - | - | 0% |
| Grand T | otal | \$ 2,386,667,108 | \$ 272,954,060 | \$ 194,375,536 | \$ 196,481,075 | \$ 44,092,858 | \$ 352,426,302 | \$ 317,046,918 | \$ 669,473,220 | 28% |
| | | | Proje | ect Amendments: | 2,105,539 | | | | | |

Great Lakes Water Authority Wastewater System Construction Work-in-Progress (CWIP) FY 2023 Rollforward Unaudited Activity For the Fiscal Quarter Ended September 30, 2022

| | | | | | FY 2023 Board | | Life to Date | | | Life to Date |
|------------------|--|---------------------------|-----------------|--------------|---------------|--------------------|--------------------|----------------------|----------------------|---------------|
| | | Total Project Plan | | FY 2023 | Approved CIP | FY 2023 | Capitalization / | | Life to Date | Activity / |
| | | Estimate from | CWIP Balance | Board | With Project | Activity through | Expense Through | CWIP Balance | Activity Through | Total Project |
| Project | Project Name | FY 2023 - 2027 CIP | July 1, 2022 | Approved CIP | Amendments | September 30, 2022 | September 30, 2022 | September 30, 2022 | September 30, 2022 | Plan Estimate |
| 211002 | Pump Station No. 2 Pumping Improvments | \$ - | \$ 2,634,214.71 | \$ - | \$ - | \$ 4,513.15 | \$ - | \$ 2,638,727.86 | \$ 2,638,727.86 | 0% |
| 211005 | Pump Station No. 2 Improvements | 66,999,999 | 14,864 | - | - | 20,864 | - | 35,727 | 35,727 | 0% |
| 211006 | Pump Station No. 1 Improvements | 65,949,998 | 6,014,644 | 8,100,000 | 8,189,860 | (2,319) | - | 6,012,325 | 6,012,325 | 9% |
| 211007 | Replacement of Bar Racks and Grit Collection System at Pump Station No. 2 | 84,261,425 | 5,318,275 | 2,461,426 | 2,461,426 | 298,065 | - | 5,616,340 | 5,616,340 | 7% |
| | Rehabilitation of Ferric Chloride Feed systems at the Pump Station -1 and Complex B | | | | | | | | | |
| 211008 | Sludge Lines | 2,506,271 | 5,488,309 | 2,506,271 | 2,522,271 | 1,388,490 | - | 6,876,799 | 6,876,799 | 274% |
| 211009 | Rehabilitation of the Circular Primary Clarifier Scum Removal System | 21,500,000 | 201,653 | 1,000,000 | 1,000,000 | 312,844 | - | 514,497 | 514,497 | 2% |
| 211010 | Rehabilitation of Sludge Processing Complexes A and B | 19,799,999 | 94,337 | - | - | - | - | 94,337 | 94,337 | 0% |
| 211011 | WRRF PS1 Screening and Grit Improvements | 93,000,001 | - | - | - | - | - | - | - | 0% |
| 212008 | WRRF Rehabilitation of Intermediate Lift | 73,301,001 | 968,407 | - | - | 49,259 | - | 1,017,667 | 1,017,667 | 1% |
| 212009 | WRRF Aeration Improvements 3 and 4 | 66,982,999 | - | - | - | - | - | - | - | 0% |
| | WRRF Conversion of Disinfection of all Flow to Sodium Hypochlorite and Sodium | | | | | | | | | |
| 212010 | Bisulfite | 5,456,001 | - | - | - | - | - | - | - | 0% |
| 213006 | Improvements to Sludge Feed Pumps at Dewatering Facilities | 6,500,001 | 297,000 | 750,000 | 750,000 | 2,967 | - | 299,966 | 299,966 | 5% |
| | | | | | | | | | | |
| 213007 | Construction of the Improved Sludge Conveyance and Lighting System at the WWTP | | 21,788,969 | - | - | 218,685 | - | 22,007,654 | 22,007,654 | 0% |
| 213008 | Rehabilitation of the Wet and Dry Ash Handling Systems | 6,200,000 | 151,058 | - | - | - | - | 151,058 | 151,058 | 2% |
| 213009 | Phosphorous Recovery Facility at the WWRF | 180,000,002 | - | - | - | - | - | - | - | 0% |
| | | | | | | | | | | |
| 216004 | Rehabilitation of Various Sampling Sites and PS# 2 Ferric Chloride System at WWTP | - | 6,338,791 | - | - | 361,005 | - | 6,699,796 | 6,699,796 | 0% |
| | Rehabilitation of the Screened Final Effluent (SFE) Pump Station and Secondary Water | | | | | | | | | |
| 216006 | System | 19,863,200 | 3,761,533 | 2,963,200 | 4,760,328 | 596,422 | - | 4,357,954 | 4,357,954 | 22% |
| 216008 | Rehabilitation of Screened Final Effluent (SFE) Pump Station | 38,463,960 | 1,665,007 | 2,509,960 | 2,509,960 | 444,330 | - | 2,109,337 | 2,109,337 | 5% |
| 216011 | WRRF Structural Improvements | 11,399,998 | 25,011 | 400,000 | 400,000 | 26,431 | - | 51,442 | 51,442 | 0% |
| 222001 | Intercommunity Relief Sewer Modifications in Detroit Oakwood District | 51,808,793 | 1,812,691 | 1,181,929 | 1,181,929 | 410,314 | - | 2,223,005 | 2,223,005 | 4% |
| 222002 | Detroit River Interceptor Evaluation and Rehabilitation | 29,614,223 | 42,278,907 | 9,415,401 | 9,415,401 | 2,972,273 | - | 45,251,180 | 45,251,180 | 153% |
| 222004 | Collection System Valve Remote Operation Structures Improvements | - | 4,246 | - | | - | - | 4,246 | 4,246 | 0% |
| 232001 | Fairview Pumping Station - Replace Four Sanitary Pumps | 38,292 | 38,787,010 | 38,292 | 38,292 | 678,009 | - | 39,465,018 | 39,465,018 | 103063% |
| 232002 | Freud and Connor Creek Pump Station Improvements | 248,458,530 | 9,045,858 | 10,753,379 | 10,753,379 | 310,427 | 6,000,596 | 9,356,286 | 15,356,882 | 6% |
| 233003 | Rouge River In-system Storage Devices | 46,317,487 | - | - | - | - | - | - | - | 0% |
| 260200 | Sewer and Interceptor Evaluation and Rehabilitation Program | 60,934,786 | - | 6,603,863 | 6,603,863 | | - | - | - | 0% |
| 260201 | Conveyance System Interceptor Rehab | 3,050,766 | 16,407,136 | 3,050,766 | 3,050,766 | 2,421,384 | 18,542,127 | 18,828,520 | 37,370,647 | 1225% |
| 260202 | Conveyance System Interceptor Rehab | - | 1,904 | - | - | - | - | 1,904 | 1,904 | 0% |
| 260204 | Energy Services for Rehabilitation of Conveyance Sewer System | 47,833,293 | 1,923,103 | 11,168,334 | 11,168,334 | 34,138 | - | 1,957,241 | 1,957,241 | 4% |
| 260205 | NWI Outfall Rehabilitation | 10,074,425 | 334,750 | 5,044,122 | 5,044,122 | 243,578 | - | 578,328 | 578,328 | 6% |
| 260206 | Conveyence System Rehabilitation - Interceptors | 30,099,091 | 395,678 | 2,149,139 | 2,149,139 | 57,612 | - | 453,290 | 453,290 | 2% |
| 260207 | Rehabilitation of Woodward Sewer System | 14,559,187 | 3,576,770 | 4,848,636 | 4,848,636 | 1,298,694 | - | 4,875,464 | 4,875,464 36.047 | 33% 0% |
| 260208 | Linwood/Lonyo/Ashland/2nd Ave/Shiawassee | | 34,697 | | | 1,350 357 | - | 36,047 | , - | 0% |
| 260209 | Sewer Repair Contract - As Needed | 12,200,000 | 3,836 209 | 4,504,389 | 4,504,389 | 929 | - | 4,193 | 4,193 1,139 | 0% |
| 260210 260500 | Linwood/Lonyo/Ashland/2nd Ave/Shiawassee CSO Outfall Rehab | 9,858,428 | | 1,641,572 | 1,641,572 | 929 | - | 1,139 | 1,139 | 0% |
| 260504 | Rehabilitation of Outfalls - Phase II | 9,030,420 | 22,843 | 1,041,372 | 1,041,572 | - | 4,900,746 | 22,843 | 4,923,589 | 0% |
| 260504 | Pilot Regulator Orifice Expansion | <u> </u> | 78,641 | - | | - | 4,900,746 | 78,641 | 78,641 | 0% |
| 260508 | B-39 Outfall Rehab | 5,391,594 | 873,311 | | 5,391,594 | | | | | 33% |
| 260508 | B-40 Outfall Rehab | 5,391,594 | 82,308 | 5,391,594 | 5,391,594 | 879,227 30,283 | - | 1,752,538 112,591 | 1,752,538 112,591 | 0% |
| 260509 | Conveyence System Rehabilitation - Outfalls | 34,934,963 | 902,646 | 1,340,350 | 1,340,350 | 426,030 | <u> </u> | 1,328,676 | 1,328,676 | 4% |
| 260600 | CSO Facilities Improvements | 1,044,500,000 | 902,646 | 1,500,000 | 1,500,000 | 426,030 | | 1,320,070 | 1,320,070 | 0% |
| 260600 | Conner Creek CSO Basin Rehab | 1,044,500,000 | 65,894 | 1,500,000 | 1,500,000 | 5,826 | 7,675,407 | 71,720 | 7,747,126 | 0% |
| 260603 | CSO Facilities Structural Improvements | 7,952,100 | 6,908,490 | 3,100,700 | 3,100,700 | 1,349,110 | 50,908 | 8,206,692 | 8,257,600 | 104% |
| 260614 | St. Aubin Chemical Disinfection Improvements | 5,774,800 | 6,908,490 | 274,800 | 274,800 | 1,349,110 | 50,908 | 8,200,692 | 8,257,600 | 104% |
| 260617 | Oakwood HVAC Improvements | 498,000 | 4,850,407 | 498,000 | 498,000 | 46,050 | - | 4,896,457 | 4,896,457 | 983% |
| 260619 | Control System Upgrade At St. Aubin, Lieb and 7 Mile | 5,455,958 | 62,766 | 2,116,286 | 2,116,286 | 40,030 | | 62,766 | 62,766 | 1% |
| 200019 | control system opgrade At St. Adom, Lieb and / Wille | 3,433,536 | 02,700 | 2,110,200 | 2,110,200 | · | | 02,700 | 02,700 | 170 |

Great Lakes Water Authority Wastewater System Construction Work-in-Progress (CWIP) FY 2023 Rollforward Unaudited Activity For the Fiscal Quarter Ended September 30, 2022

| Porject Name | | | Total Drainst Dlan | | FY 2023 | FY 2023 Board | EV 2022 | Life to Date | | Life to Date | Life to Date |
|--|-----------------|--|--------------------|---------------------------------------|---------------|---------------|---------------------------------------|----------------------|---------------------------------------|-------------------------------|-----------------------------|
| Project Name Project Name Prozest Name Pro | | | Total Project Plan | CWID Palanco | | Approved CIP | FY 2023 | Capitalization / | CWID Palance | Life to Date Activity Through | Activity / Total Project |
| 1,000 1,00 | Project | Project Name | | | | • | , , | • | | September 30, 2022 | - |
| \$60522 Connor Creek Rem Improvements | | • | - | • • | | - | | - Jeptember 30, 2022 | | 983,321 | 0% |
| \$606.22 Sab Creal Emergency Generator Improvements \$2,000,000 \$9,455 \$1,200,000 \$1,207,000 \$10,107 \$0.00 \$10,000 \$10 | | • | | · · · · · · · · · · · · · · · · · · · | | | | | | 2,243,507 | 0% |
| \$80000 \$8000 \$70000 \$1,5000 \$2,933 \$1,077,500 \$1,077,500 \$1,075 \$2,000 \$2,0000 \$2,0000 \$2,0000 \$2,0000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,00000 \$2,000000 \$2,000000 \$2,000000 \$2,000000 \$2,000000 \$2,0000000 \$2,000000000000000000000000000000000000 | | | 2 020 000 | | | | | | | 213,481 | 11% |
| | | • • • | ,, | , | , -, | , -, | -,- | | | 33,085 | 2% |
| | | , | | | | | - | | | - | 0% |
| Page Pump Station Assets Updates 2,000,000 1,891,192 1,8 | | · · · · · · · · · · · · · · · · · · · | | | | | 29 068 | - | | 2.270.505 | 5% |
| | | , , | | , , - | -,, | - | - | | , -, | - | 0% |
| 26890 2022 WRBF Facility Optimization Program | | · | | - | 1 891 192 | 1 891 192 | | - | - | | 0% |
| \$2,000 WRRF Facility Optimization Program | | | | | | | 34 009 | | 78 646 | 78,646 | 0% |
| 26991 Rehab Hazmar Facility at WRRF 1273 978 1273 978 173 978 13,071 | | | 428.948 | , | - | - | - | - | | - | 0% |
| 26902 WRRF renoration of 4th Floor | | | | 227.002 | 1.273.978 | 1.273.978 | 13.071 | | 240.072 | 240,072 | 19% |
| \$2,003 WRRF front Entrance Rehab. | | · | | | | | | - | | 286,562 | 11% |
| WRRF 21d Floor Renovation - 2,752 - 1,766 - 4,517 | | | | , | | | | | , | 228,030 | 23% |
| 26905 WRRF Plumbing Shop Rehab 1 | | | | · · · · · · · · · · · · · · · · · · · | | | | - | | 4,517 | 0% |
| A6,827,030 WRRF Rehabilition of Secondary Clarifiers | | | - | | - | - | | - | , | 2,378 | 0% |
| 261001 Rehabilitation of Secondary Clarifiers | | - · · | 46.827.030 | - | - | - | · · · · · · · · · · · · · · · · · · · | - | | -, | 0% |
| Pilot CSO Netting Facility 6,198,950 329 - 362 - 692 270002 Meldrum Sewer Diversion and VR-15 Improvements 5,383,632 | | · | | 2.986 | - | - | 99 | | 3.085 | 3,085 | 0% |
| 270002 Meldrum Sewer Diversion and VR-15 Improvements 5,839,632 - - 2,519,339 123,019 123,019 - 270004 0.08 wood Lide SOF Acility Improvement 17,000,000 69,000 1,250,000 1,250,000 201 - 70,109 - 70,1 | | · | | | - | - | | - | | 692 | 0% |
| Long Term CSO Control Plan 2,957,491 2,519,339 2,519,339 123,019 | | <i>e</i> , | | | - | - | - | | | - | 0% |
| 270004 Oakwood Lieb CSO Facility Improvement 17,000,000 69,908 1,250,000 1,250,000 201 - 70,109 270005 CSO Safety Improvements & Building Rehab 6,481,200 - 122,200 122,200 - - - 270006 Control System Ungrades - Baby Creek/Belle 1,915,600 477,215 93,200 93,200 24,091 - 501,306 270007 Disinfection System Improvements at CSO 8,216,300 285 - - - - 225 270008 Flushing System Improvements at Conner Creek and St. Aubin CSO Facilities 7,006,500 - | | · | | - | 2.519.339 | 2.519.339 | 123.019 | 123.019 | - | 123,019 | 4% |
| 270005 CSO Safety Improvements & Building Rehab 6,481,200 - 122,200 122,200 - - - - - - - - - | | • | | 69.908 | | | | , | 70.109 | 70,109 | 0% |
| 270007 Disinfection System Improvements at CSO 8,216,300 285 285 | | , . | | | | | - | - | · · · · · · · · · · · · · · · · · · · | - | 0% |
| 270007 Disinfection System Improvements at CSO 8,216,300 285 - - - - 285 | 270006 | Control System Upgrades - Baby Creek/Belle | 1,915,600 | 477,215 | 93,200 | 93,200 | 24,091 | | 501,306 | 501,306 | 26% |
| 27009 Site Improvements at St. Aubin, Belle Isle, and Baby Creek CSO Facilities 1,377,500 - | 270007 | | 8,216,300 | 285 | - | - | - | | | 285 | 0% |
| 270010 HVAC Improvements at Puritan Fenkell and Seven Mile CSO Facilities 1,508,590 - - - - - - - 270011 HVAC Improvements at Conner Creek and Belle Isle CSO Facilities 383,600 - - - - - - - Control System Upgrades at Conner Creek, Oakwood, and Puritan Fenkell CSO Facilities 5,921,080 - | 270008 | Flushing System Improvements at Conner Creek and St. Aubin CSO Facilities | 7,006,500 | - | - | - | - | | - | - | 0% |
| 270010 HVAC Improvements at Puritan Fenkell and Seven Mile CSO Facilities 1,508,590 - <th< th=""><th>270009</th><td>Site Improvements at St. Aubin, Belle Isle, and Baby Creek CSO Facilities</td><td>1,377,500</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td>-</td><td>-</td><td>0%</td></th<> | 270009 | Site Improvements at St. Aubin, Belle Isle, and Baby Creek CSO Facilities | 1,377,500 | - | - | - | - | | - | - | 0% |
| Control System Upgrades at Conner Creek, Oakwood, and Puritan Fenkell CSO Facilities 5,921,080 - - - - - - - - - | 270010 | | | - | - | - | - | - | - | - | 0% |
| 270012 5,921,080 - | 270011 | HVAC Improvements at Conner Creek and Belle Isle CSO Facilities | 383,600 | - | - | - | - | - | - | - | 0% |
| 270013 Facility Improvements at Puritan Fenkell and Seven Mile CSO Facilities 894,020 - < | | Control System Upgrades at Conner Creek, Oakwood, and Puritan Fenkell CSO Facilities | | | | | | | | | |
| 270014 Convert to Complete Capture Basin CSO Fa 4,44,170 - | 270012 | | 5,921,080 | - | - | - | - | - | - | - | 0% |
| 273001 Hubbell Southfield CSO Facility Improvement 38,576,300 424,992 532,700 532,700 4,050 - 429,042 273002 CSO Hubbell Southfield VR-8 Gate Improvements 1,769,780 - <t< th=""><th>270013</th><td>Facility Improvements at Puritan Fenkell and Seven Mile CSO Facilities</td><td>894,020</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>0%</td></t<> | 270013 | Facility Improvements at Puritan Fenkell and Seven Mile CSO Facilities | 894,020 | - | - | - | - | - | - | - | 0% |
| 273002 CSO Hubbell Southfield VR-8 Gate Improvements 1,769,780 - - | 270014 | Convert to Complete Capture Basin CSO Fa | 4,442,170 | - | - | - | - | - | - | - | 0% |
| 276002 Replacement Make-up Air Unit at CON - 8,172 - - 4,273 - 12,444 277001 Baby Creek Outfall Improvements Project 12,000,000 37,444 1,250,000 1,250,000 23,288 393,646 47,386 277002 Baby Creek CSO Facility Influent Flushing System 738,260 - | 273001 | Hubbell Southfield CSO Facility Improvement | 38,576,300 | 424,992 | 532,700 | 532,700 | 4,050 | - | 429,042 | 429,042 | 1% |
| 277001 Baby Creek Outfall Improvements Project 12,000,000 37,444 1,250,000 1,250,000 23,288 393,646 47,386 277002 Baby Creek CSO Facility Influent Flushing System 738,260 - - - - - - - - 3,200,851 - 3,200,851 341002 Security Infrastructure Improvements 3,197,089 - - 3,762 - 3,200,851 | 273002 | CSO Hubbell Southfield VR-8 Gate Improvements | 1,769,780 | - | - | - | - | - | - | - | 0% |
| 277002 Baby Creek CSO Facility Influent Flushing System 738,260 - - - - 341002 Security Infrastructure Improvements 3,197,089 - 3,762 - 3,200,851 | 276002 | Replacement Make-up Air Unit at CON | - | 8,172 | - | - | 4,273 | | 12,444 | 12,444 | 0% |
| 341002 Security Infrastructure Improvements - 3,197,089 3,762 - 3,200,851 | 277001 | Baby Creek Outfall Improvements Project | 12,000,000 | 37,444 | 1,250,000 | 1,250,000 | 23,288 | 393,646 | 47,386 | 441,032 | 4% |
| | 277002 | Baby Creek CSO Facility Influent Flushing System | 738,260 | - | - | - | - | | • | - | 0% |
| | 341002 | Security Infrastructure Improvements | - | 3,197,089 | - | - | 3,762 | - | 3,200,851 | 3,200,851 | 0% |
| Grand Total 2,671,101,648 193,100,463 125,932,245 133,735,233 15,988,526 \$ 412,112,770 208,901,716 | Grand To | tal | 2,671,101,648 | 193,100,463 | 125,932,245 | 133,735,233 | 15,988,526 \$ | 412,112,770 | 208,901,716 | 621,014,486 | 23% |
| Project Amendments: 7,802,988 | | | | Project | t Amendments: | 7,802,988 | | | | | |

Construction Work-in-Progress Quarterly Report



As of September 30, 2022

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 2023 Capital Improvement Plan.

\$2,105,539 of Capital Reserve project amendments have been prepared as of September 30, 2022, as shown for the Water System in C1 with project amendments detailing the assignment of funding within Program and Allowance accounts.

\$7,802,988 of Capital Reserve project amendments have been prepared as of September 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 September 30, 2022

| Project | Project Name | Capital Reserve | Grand Total |
|--------------------|---|-----------------|--------------------|
| | | | |
| 115005 | WWP WTP Building Ventilation Improvements | 1,007,200 | 1,007,200 |
| | | | |
| 114002 | Springwells Water Treatment Plant - Low Lift and High Lift Pump Station | 1,098,339 | 1,098,339 |
| | | | |
| Grand Total | \$ | 2,105,539 | \$ 2,105,539 |

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

| Project | Project Name | Capital Reserve | Grand Total |
|--------------------|---|------------------------|--------------------|
| | | | |
| 211008 | Rehabilitation of Ferric Chloride Feed systems at the Pump Station -1 and Complex B Sludge Lines \$ | 16,000 | \$ 16,000 |
| | | | |
| 216006 | Rehabilitation of the Screened Final Effluent (SFE) Pump Station and Secondary Water System | 1,797,128 | 1,797,128 |
| | | | |
| 211006 | Pump Station No. 1 Improvements | 89,860 | 89,860 |
| | | | |
| 260701 | Conveyance System Infrastructure Improvements | 5,900,000 | 5,900,000 |
| | | | |
| Grand Total | \$ | 7,802,988 | \$ 7,802,988 |