

Financial Services Audit Committee Communication

Date: June 19, 2020

To: Great Lakes Water Authority Audit Committee

From: Andrew Sosnoski, Manager, Construction Accounting & Financial Reporting

Re: FY 2020 Q3 Construction Work-in-Progress Report through March 31, 2020

(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 2020 Q3 CWIP activity 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 March 31, 2020

For questions, please contact:

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June 19, 2020

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 March 31, 2020. The information in this report presents a detailed snapshot and is important as we track the execution of the FY 2021–2025 Capital Improvement Plan (CIP) and look to inform decision makers as we draft the FY 2022–2026 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

This report is divided into two sections: one for the Water System and one for the Wastewater System as identified in the table of contents. Each section includes analysis and reporting of the following:

Executive Summary: Presentation of spend information is necessary to report our progress on CIP projects.

Construction Work-in-Progress Rollforward: This table provides a list of all projects in the CIP along with financial activity. This table may be used to revisit priorities, workload, and phasing.

Project Amendment Summary: 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 March 31, 2020. 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.



WATER SYSTEM

Executive Summary

The rate of spend is a key performance indicator. The development of the FY 2020-2024 and related CIP Plan for FY 2020 were based on anticipation of FY 2020 activity resulting in 75% of planned spend. The Water System spend for the period ending March 31, 2020 is 45.4% of the FY 2020 prorated board approved CIP, 52.1% of the FY 2020 prorated board approved CIP with project amendments, and 60.5% of the FY 2020 Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2020 Board Approved CIP was amended from \$143,247,000 to \$124,739,357 is provided in the subsequent Project Amendment Summary section of this report.

Water System Projects	FY 2019 CIP	FY 2019 Activity	FY 2019 Percentage		FY 2020 Prorated (Nine Months)	FY 2020 Activity (Unaudited)	FY 2020
FY 2019 Board Approved CIP FY 2019 Board Approved CIP With Project Amendments	\$ 66,038,000 72,348,044	\$ 61,583,574 61,583,574	93.3% 85.1%				
FY 2020 Board Approved CIP FY 2020 Board Approved CIP With Project Amendments FY 2020 Capital Spend Rate Assumption (SRA)				\$ 143,247,000 124,739,357 107,435,250	\$ 107,435,250 93,554,518 80,576,438	\$ 48,728,298 48,728,298 48,728,298	45.4% 52.1% 60.5%



Construction Work-in-Progress Rollforward

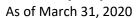
The purpose of the construction work-in-progress (CWIP) rollforward is to analyze the current year activity for each project in relation to the overall capital improvement program as well as the project portfolio overall.

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 2020 3rd quarter for the following projects:

<u>Project</u>	<u>Contract</u>	<u>Description</u>
122012	WS-684	36-inch Water Main in Telegraph Road
171501	1803483	Roof Replacement - Var Facilities Program

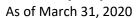
\$188.9 million is in CWIP as of March 31, 2020 as shown in the table beginning on the next page.

The order of the report on the subsequent pages is in ascending order by CIP project number.





		Total Project Plan Estimate From	CWIP Balance	FY 2020 Board	FY 2020 Board Approved CIP With Project	FY 2020 Activity through	Life to Date Capitalization Through		Life to Date Activity through	Life to Date Activity / Total
Project	Project Name	FY 2021 - 2025 CIP	July 1, 2019	Approved CIP	Amendments	March 31, 2020	March 31, 2020	March 31, 2020	March 31, 2020	Project Plan
	Energy Management: Lake Huron Water									
444004	Treatment Plant Low Lift Pumping	* ==			* 100 E00 *			*	*	00/
111001	Improvements	\$ 55,090,000						, ,,,,,,		0%
111002	LHWTP Backflow Replacement	9,004,000	6,836,980	1,882,000	1,882,000	1,679,335	155,348	8,516,315	8,671,663	96%
111001	Electrical Tunnel Rehabilitation at Lake	4.126.000	2760607	4 20 6 000	1 275 214	1 122 (02		2,002,200	2,002,200	0.407
111004	Huron WTP	4,136,000	2,768,607	4,296,000	1,275,214	1,123,692	-	3,892,299	3,892,299	94%
	Replacement of Filter Instrumentation and									
111006	Raw Water Flow Metering Improvements at	16 626 000	777.060	2 222 000	2 522 460	260 272		1.046.222	1.046.222	60/
111006	Lake	16,626,000	777,960	3,333,000	3,533,468	268,372	-	1,046,332	1,046,332	6%
	Lake Huron WTP-Raw Sludge Clarifier and									
111007	Raw Sludge Pumping System Improvements	8,937,000	639,986	4,660,000	4,230,554	3,288,935		3,928,921	3,928,921	44%
111007	LHWTP Architectural Programming - Lab	1,299,000	039,900	4,000,000	4,230,334	3,200,933	-	3,926,921	3,926,921	0%
111000	LHW IF AICHITECTURAL Programming - Lab	1,299,000	<u> </u>	<u> </u>	-	110	-	110	110	0%
111009	Lake Huron WTP-35 MGD HLP, Flow Meters	29,226,000	35,864	9,030,000	9,030,000	66,023		101,887	101,887	0%
111009	Lake Huron Water Treatment Plant -Filtration	5,632,000	33,004	9,030,000	9,030,000	00,023	-	101,007	101,007	0%
111010	Lake Huron WTP Pilot Plant	1,794,000	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	0%
111011	Low Lift Pumping Plant Caisson	1,794,000	-	-	-	-	-	-	-	0%
112002	Rehabilitation at Northeast WTP	1,345,000	1,134,767	203,000	203,000	35,195	1,169,962	_	1,169,962	87%
112002	NE WTP High Lift Pumping Electrical	57,565,000	1,134,707	203,000	203,000	33,173	1,109,902		1,109,902	0%
112003	Northeast Water Treatment Plant -	37,303,000	-	-	-	-	-	-	-	070
	Replacement of Covers for Process Water									
112005	Conduits	1,393,000	13,356	166,000	310,000	167,787	_	181,143	181,143	13%
112003	Northeast Water Treatment Plant Flocculator	1,373,000	13,330	100,000	310,000	107,707		101,113	101,113	1370
112006	Replacements	7.111.000	2.891	1.356.000	1.356.000	125.595	_	128,486	128.486	2%
113001	Southwest Water Treatment Plant, Sludge Treatment	, ,	2,071	1,330,000	1,330,000	3,876		3,876	3,876	100%
115001	High Lift Pump Discharge Valve Actuators					3,010		3,070	3,070	10070
113002	Replacement at Southwest WTP	5,886,000	2,479,490	2,876,000	3,028,000	2,142,788	_	4,622,279	4,622,279	79%
113003	Replacement of Butterfly Valves	14,314,000	2,17 2,120	2,070,000	5,020,000	110		110	110	0%
110000	Residual Handling Facility's Decant Flow	11,011,000				110		110	110	070
113004	Modifications at Southwest WTP	822,000	_	380,000	380,000	1,822	853,219	1,822	855,041	104%
113006	SW WTP Chloring Scrubber	4,753,000	_	-	-	5,428	-	5,428	5,428	0%
113007	Architectural and Building Mechanical	98.000	-	-	-		-		-	0%
		70,000								3,0
	Springwells Water Treatment Plant 1958									
114001	Filter Rehabilitation and Auxiliary Facilities	101,968,000	73,955,623	_	1,255,609	3,322,302	22,738,455	77,277,925	100,016,380	98%
	Springwells Water Treatment Plant - Low Lift		. 0,. 00,020		-,,,-	5,5 = 2,0 0 =	,,	, , , 2		70
114002	and High Lift Pump Station	174,835,000	2,080,861	5,985,000	6,308,877	1,770,374	_	3,851,236	3,851,236	2%
	Water Production Flow Metering		_,,,,,,,,	0,700,000	0,000,011			0,000,000	0,002,000	= 70
114003	Improvements at NE, SW, and SPW WTP	8,482,000	6,331,921	80,000	713,282	1,496,601	-	7,828,521	7,828,521	92%
111000	Springwells WTP Admin Building	0,102,000	0,001,721	00,000	7 10,202	2)170,001		7,020,021	7,020,021	3270
114005	Improvements	8,696,000	10,555	413,000	527,664	845,337		855,893	855,893	10%
	Replacement of Rapid Mix Units at	3,070,000	10,000	110,000	227,001	0.10,037		000,070	300,070	10,0
114006	Springwells WTP 1958 Process Train	1,031,000	0	61,000	61,000	9,390	1,021,039	9,390	1,030,429	100%
114007	Powder Activated Carbon Systems	4,188,000	-	-	-		-,021,007	-	-,000,127	0%
	1930 Sedimentation Basin Sluice Gates,	1,100,000								370
	Guides & Hoists Improvements at Springwells									
114008	WTP	14,241,000	195,644	4,153,000	2,185,000	1,700,900	_	1,896,544	1,896,544	13%
		_ 1,2 11,000	_,0,0.1	-,-00,000	_,_00,000	2,, 00,, 00		_,0,0,011	_,5,0,0,11	10,0





					FY 2020					
Project	Project Name	Total Project Plan Estimate From FY 2021 - 2025 CIP	CWIP Balance July 1, 2019	FY 2020 Board Approved CIP	Board Approved CIP With Project Amendments	FY 2020 Activity through March 31, 2020	Life to Date Capitalization Through March 31, 2020		Life to Date Activity through March 31, 2020	Life to Date Activity / Total
Troject	Springwells Water Treatment Plant Service	112021 2023 (11	july 1, 2017	Approved cir	Amendments	March 51, 2020	March 31, 2020	March 31, 2020	March 31, 2020	1 Toject I lan
114009	Area Redundancy Study	311,000	_	_	_	_	_		_	0%
114010	Yard Piping Improvements	112,613,000	3,947	_		22,681	_	26,628	26,628	0%
111010	Tara i iping improvements	112,013,000	3,717			22,001		20,020	20,020	0 70
	Steam, Condensate Return, and Compressed									
114011	Air Piping Improvements at Springwells WTP	23,898,000	2,373,087	5,392,000	5,453,373	5,623,057	_	7,996,144	7,996,144	33%
111011	Springwells Water Treatment Plant 1930	23,070,000	2,373,007	3,372,000	3,133,373	5,025,057		7,770,111	7,770,111	3370
114012	Filter Building-Roof Replacement	3,911,000	_	_	_	_	3,911,148	_	3,911,148	100%
111012	Springwells Reservoir Fill Line	3,711,000					5,711,110		5,711,110	10070
114013	Improvements	4,821,000	2,829,864	1,551,000	1,551,000	678,514	_	3,508,378	3,508,378	73%
111015	Emergency Grating Replacement at	1,021,000	2,027,001	1,551,000	1,551,000	070,011		3,300,370	3,300,370	7370
114015	Springwells WTP	3,366,000	_	_	_	_	3,365,903	_	3,365,903	100%
111015	Springwells Water Treatment Plant 1958	3,500,000					3,303,703		3,303,703	10070
	Settled Water Conduits Concrete Pavement									
114016	Replacement	1,764,000	802	206,000	206,000	12,454	_	13,256	13,256	1%
114010	Springwells Water Treatment Plant	1,701,000	002	200,000	200,000	12,131		13,230	13,230	170
114017	Flocculator Drive Replacement	9,296,000	_	_	_	_	_	_	_	0%
114018	Springwells Water Treatment Plant - ServiceBu	1,508,000	_	_	_	_	_	_	_	0%
114010	Yard Piping, Valves and Venturi Meters	1,500,000								0 70
115001	Replacement at Water Works Park	72,019,000	1,758,683	17,333,000	17,464,500	609,622	_	2,368,305	2,368,305	3%
113001	Comprehensive Condition Assessment at	72,017,000	1,730,003	17,555,000	17,101,300	007,022		2,300,303	2,300,303	3 70
115003	Waterworks Park WTP	582,000	513,538	153,000	_	_	_	513,538	513,538	88%
113003	ater Works Park WTP Chlorine System	302,000	313,330	155,000				313,330	313,330	0070
115004	Upgrade	7,440,000	6,685,754	2,047,000	2,068,500	215,345	_	6,901,099	6,901,099	93%
113004	WWP WTP Building Ventilation	7,440,000	0,003,734	2,047,000	2,000,300	213,343		0,701,077	0,701,077	73 70
115005	Improvements	10,141,000	_	507,000	507,000	1,034	_	1,034	1,034	0%
115006	Water Works Park Site/Civil Improvements	5,643,000		507,000	307,000	1,031		1,034	1,03-1	0%
113000	water works rark site/ Givii improvements	3,013,000								0 70
116002	Pennsylvania, Springwells and Northeast Raw Water Supply Tunnel Improvements based on	61,245,000	10,200,085	5,467,000	5,467,000	594,651	-	10,794,736	10,794,736	18%
	Parallel 42-Inch Main in 24 Mile Road from									
122001	Rochester Station to Romeo Plank Road	33,246,000	33,241,721	-	-	-	33,241,721	-	33,241,721	100%
	Replacement of Five (5) PRV Pits of Treated									
122002	Water Transmission System	2,790,000	-	-	-	-	2,785,001	-	2,785,001	100%
	New Waterworks Park to Northeast									
122003	Transmission Main	157,526,000	2,615,193	871,000	658,233	1,503,872	-	4,119,065	4,119,065	3%
	96-inch Main Relocation, Isolation Valves									
122004	Installations, and New Parallel Main	144,871,000	1,787,389	5,000,000	2,314,936	25,440	-	1,812,829	1,812,829	1%
122005	Replacement Schoolcraft Watermain	18,106,000	141,171	8,100,000	2,328,644	777,545	-	918,716	918,716	5%
	Transmission System Water Main Work-Wick									
122006	Road Parallel Water Main	22,338,000	416,882	18,028,000	8,401,361	2,999,729	-	3,416,611	3,416,611	15%
	Design and Construction of a new Newburgh									
	Road 24" Main along Newburgh Road									
122007	between Ch	21,457,000	783	-	-	1,022	-	1,805	1,805	0%
	Water System Improvements in Joy Road									
122009	from Southfield Road to Trinity	149,000	106,881	-	-	-	106,881		106,881	72%
122011	Park-Merriman Water Main-Final Phase	7,625,000	986,024	4,737,000	3,937,000	1,778,346	-	2,764,370	2,764,370	36%



					FY 2020 Board		Life to Date			Life to Date
		Total Project Plan Estimate From	CWIP Balance	FY 2020 Board	Approved CIP With Project	FY 2020 Activity through	Capitalization Through	CWIP Balance	Life to Date Activity through	Activity / Total
Project	Project Name	FY 2021 - 2025 CIP	July 1, 2019	Approved CIP	Amendments	March 31, 2020	March 31, 2020	March 31, 2020	March 31, 2020	Project Plan
122012	36-inch Water Main in Telegraph Road	9,959,000	-	-	-	(0)	9,986,284	(0)	9,986,284	100%
	Lyon Township Transmission Main Extension	, ,							, ,	
122013	Project	73,941,000	637,635	751,000	2,628,978	2,482,029	-	3,119,665	3,119,665	4%
122016	Downriver Transmission Loop	37,744,000	24,251	297,000	820,965	13,401	-	37,652	37,652	0%
	7 Mile/Nevada Transmission Main Rehab and			·						
122017	Carrie/Nevada Flow Control Station	60,577,000	-	1,040,000	1,040,000	1,517	-	1,517	1,517	0%
122018	Garland, Hurlbut, Bewick Water Transmission	44,577,000	-	-	-	-	-	-	-	0%
132001	Wick Road Station Rehabilitation	135,000	135,073	-	-	-	-	135,073	135,073	100%
	Isolation Gate Valves for Line Pumps for West									
132003	Service Center Pumping Station	1,979,000	247,754	490,000	1,522,316	1,430,319	-	1,678,073	1,678,073	85%
	Hydraulic Surge Control for North Service	, ,	,	,	, ,	, ,			, ,	
132004	Center Pumping Station	215,000	214,771	-	_	-	-	214,771	214,771	100%
	. 0									
	Pressure and Control Improvements at the									
132006	Electric, Ford Road, Michigan, and West Chica	3,279,000	289,594	2,515,000	2,399,138	847,257	-	1,136,851	1,136,851	35%
	, , , , ,	, ,	,	, ,	,	,		•	, ,	-
	Energy Management: Freeze Protection									
132007	Pump Installation at Imlay Pumping Station	5,199,000	97,185	592,000	472,742	24,020	-	121,206	121,206	2%
	Needs Assessment Study for all Water	-,,	, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	,		,	,	
132008	Booster Pumping Stations	1,838,000	1,838,406	-	_	(162,965)	_	1,675,441	1,675,441	91%
	West Service Center/Duval Rd Division Valve	,,	,,			(- ,,		,,	,,	
132010	Upgrades	37,705,000	607,504	2,620,000	600,000	17,053	_	624,557	624,557	2%
132012	Ypsilanti PS Improvements	31,617,000	20,539	585,000	510,490	122,016	-	142,556	142,556	0%
	For the Francisco	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	,	,	,		,	,	
132014	Adams Road Booster Pumping Improvements	27,536,000	-	-	-	-	-	-	-	0%
132015	Newburgh BPS	30,677,000	2,811	16,000	458,245	104,284	-	107,095	107,095	0%
132016	North Service Center BPS Improvements	45,342,000	-	· -	-	2,213	-	2,213	2,213	0%
132017	North Service Center BPS - On-Site & Off	-	-	6,000	6,000	-	-	-	-	100%
132019	Wick Road BPS - Switchgear	2,940,000	-	-	-	-	-	-	-	0%
132020	Franklin BPS - Isolation Gate Valves	2,442,000			-		-	-	-	0%
		, ,								
132021	Imlay BPS - Replace VFDs, Pumps & Motors	13,000	-	-	-	-	-	-	-	0%
132022	Joy Road BPS - Replace Reservoir Pumps	55.000	-	-	-	-	-	-	-	0%
	Northwest Booster Station Yard Piping	22,300								370
132025	Improvements	1,000	971	_	_	-	_	971	971	97%
132026	Franklin Pumping Station Valve Replacement	1,411,000	-	-	-	_	_	-	-	0%
170100	Allowance: WTP/Pump Station	70,164,000	_	3,000,000	3,000,000	-	-		-	0%
	Water Production Plant Flow Mettering	. 3,20 1,000		2,200,000	2,200,000					270
170102	Improvements at NE, SP & SW WTP		359,259	_	<u>.</u>	9,179	_	368,439	368,439	100%
2,0102	Belle Isle Water Supply Intake and Ice Boom		337,237			7,177		500,157	500,137	10070
170103	Improvements	_	3,278	-	_	_	286,596	3,278	289,874	100%
2.0100	Orion and Newburgh Pumping Stations		5,2,0				200,570	5,270	207,071	10070
170104	Improvements		170,664			7,846	1,907,825	178,510	2,086,335	100%
1/0103	Improvements		170,004			7,010	1,707,023	170,310	2,000,333	10070
170109	Inspection of Raw Water Intakes and Tunnels	_	3,102,765	_	_	43,676	_	3,146,441	3,146,441	100%
170107	Raw Water Sampling Improvements	-	2,926		-	(2,926)		5,110,111	5,110,111	100%
170110	Franklin PS Valve Rehab		38,681	-	-	772,241	-	810,922	810,922	100%
170121	Meter Pit at Brownstown Township	-	133,306		-	71,090		204,396	204,396	100%
1/0122	Meter Fit at Drownstown Township		133,300			/ 1,090	-	207,370	207,370	10070



GLWA

Great Lakes Water Authorit

Project	Project Name	Total Project Plan Estimate From FY 2021 - 2025 CIP	CWIP Balance July 1, 2019	FY 2020 Board Approved CIP	FY 2020 Board Approved CIP With Project Amendments	FY 2020 Activity through March 31, 2020	Life to Date Capitalization Through March 31, 2020		Life to Date Activity through March 31, 2020	Life to Date Activity / Total Project Plan
	As Needed Construction Materials,									
170200	Environmental Media and Special Allowance	1,815,000	-	572,000	572,000	-	-	-	-	0%
170201	Construction & Environmental Testing	-	63,443	-	-	(22,324)	-	41,119	41,119	100%
4=0000	717 ·	40 =00 000		4 = 64 000	4 7 4 000					221
170300	Water Treatment Plant Automation Program	18,728,000	1 (57 (45	1,561,000	1,561,000	97,497	-	1755140	1 755 140	0%
170301	Water Plant Automation	-	1,657,645	-	-	97,497	-	1,755,142	1,755,142	100%
170400	Water Transmission Improvement Program	28,157,000		1,500,000	1,500,000	-	-	-	-	0%
170401	Emergency Bypass Around Ypsilanti Station	-	1,643,165	-	-	15,800	-	1,658,965	1,658,965	100%
170500	Transmission System Valve Assessment and Rehabilitation/Replacement Program	26,469,000	-	4,000,000	4,000,000	-	-	-	-	0%
170502	Transmission System Valve Assessment and Rehabilitation/Replaceme	-	0	_	_	1,957,691	6,029,544	1,957,691	7,987,235	100%
	Water Transmission Main Asset Assessment									
170600	Program	30,753,000	-	3,000,000	3,000,000	-	-	-	-	0%
170800	Reservoir Inspection, Design and Rehabilitation Program	59,076,000	-	5,128,000	632,000	-	-	-	-	0%
170801	Reservoir Inspection, Design and Rehabilitation	-	456,574	-	4,513,500	1,298,340	-	1,754,914	1,754,914	100%
170900	Suburban Water Meter Pit Rehabilitation and Meter Replacement Program	10,301,000	_	4,000,000	925,000	_	_	_	_	0%
1.0500	Suburban Water Meter Pit Rehabilitation and	10,001,000		1,000,000	323,000					070
170901	Meter Replacement	-	1,237,565	-	3,075,000	2,636,770	-	3,874,335	3,874,335	100%
171500	Roof Replacement - Var Facilities Program	23,673,000	-	2,657,000	-	-	-	-	-	0%
171501	Roof Replacements - Var Facilities Program	0	119283.4	0	2948089	1913096.7	360429.59	1671950.51	2032380.1	100%
341001	Security Infrastructure Improvements	10,650,000	962,673	-	1,173,179	2,127,799	-	3,090,472	3,090,472	29%
351001	Water Facility Lighting Renovations	556,000	6,211	250,000	250,000	457	-	6,667	6,667	1%
	Data Center Reliability/Availability									
361002	Improvements	- F. 000	16,080	-	-	•	-	16,080	16,080	100%
380600	General Engineering Services Allowance	56,000	-	-	-	- ((74)	-	-	-	0%
380601	General Engineering Services Allowance As-needed Engineering Services for Concrete	-	674	-	-	(674)	-	-	-	100%
	Testing, Geotechnical Soil Borings, other									
	Testing Services, and Related Services									
380700	Allowance	2,130,000	_	_	_	_	_	_	_	0%
	Energy Management: Electric Metering	_,,,								270
381000	Improvement Program	3,435,000	-	-	-	-	-	-	-	0%
Grand Total		\$ 1,970,283,000		· · · · · · · · · · · · · · · · · · ·		\$ 48,728,298	\$ 120,374,591	\$ 188,880,388	\$ 309,254,979	16%
			Proje	ect Amendments	3 (18,507,643)					





FY 2020 Project Amendment Summary

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 2020 Capital Improvement Plan.

\$18.5 million of Capital Reserve project amendments have been prepared as of March 31, 2020 as shown in the table on the next page along with project amendments detailing the assignment of funding within Program and Allowance accounts.

The order of the report on the subsequent page is in ascending order by CIP project number.



Great Lakes Water Authority Water System Project Amendment Summary Unaudited Activity For the Fiscal Year Ended March 31, 2020

			Program /		
Project	Project	1	Allowance	pital Reserve (nd Total
111001	Energy Management: Lake Huron Water Treatment Plant Low Lift Pumping Improvements			\$ 92,500	\$ 92,500
111004	Electrical Tunnel Rehabilitation at Lake Huron WTP			(3,020,786)	(3,020,786)
111006	Replacement of Filter Instrumentation and Raw Water Flow Metering Improvements at Lake			\$ 200,468	\$ 200,468
111007	Lake Huron WTP-Raw Sludge Clarifier and Raw Sludge Pumping System Improvements			(429,446)	(429,446)
112005	Northeast Water Treatment Plant - Replacement of Covers for Process Water Conduits			144,000	144,000
113002	High Lift Pump Discharge Valve Actuators Replacement at Southwest WTP			152,000	152,000
114001	Springwells Water Treatment Plant 1958 Filter Rehabilitation and Auxiliary Facilities			1,255,609	1,255,609
114002	Springwells Water Treatment Plant - Low Lift and High Lift Pump Station			323,877	323,877
114003	Water Production Flow Metering Improvements at NE, SW, and SPW WTP			633,282	633,282
114005	Springwells WTP Admin Building Improvements			114,664	114,664
114008	1930 Sedimentation Basin Sluice Gates, Guides & Hoists Improvements at Springwells WTP			(1,968,000)	(1,968,000)
114011	Steam, Condensate Return, and Compressed Air Piping Improvements at Springwells WTP			61,373	61,373
115001	Yard Piping, Valves and Venturi Meters Replacement at Water Works Park	\$	131,500		\$ 131,500
115003	Comprehensive Condition Assessment at Waterworks Park WTP	\$	(153,000)		\$ (153,000)
115004	Water Works Park WTP Chlorine System Upgrade	\$	21,500		\$ 21,500
122003	New Waterworks Park to Northeast Transmission Main			(212,767)	(212,767)
122004	96-inch Main Relocation, Isolation Valves Installations, and New Parallel Main			\$ (2,685,064)	\$ (2,685,064)
122005	Replacement Schoolcraft Watermain			(5,771,356)	(5,771,356)
122006	Transmission System Water Main Work-Wick Road Parallel Water Main			\$ (9,626,639)	\$ (9,626,639)
122011	Park-Merriman Water Main-Final Phase			(800,000)	(800,000)
122013	Lyon Township Transmission Main Extension Project			1,877,978	1,877,978
122016	Downriver Transmission Loop			523,965	523,965
132003	Isolation Gate Valves for Line Pumps for West Service Center Pumping Station			1,032,316	1,032,316
132006	Pressure and Control Improvements at the Electric, Ford Road, Michigan, and West Chica			(115,862)	(115,862)
132007	Energy Management: Freeze Protection Pump Installation at Imlay Pumping Station			\$ (119,258)	\$ (119,258)
132010	West Service Center/Duval Rd Division Valve Upgrades			\$ (2,020,000)	\$ (2,020,000)
132012	Ypsilanti PS Improvements			\$ (74,510)	\$ (74,510)





Great Lakes Water Authority
Water System Project Amendment Summary
Unaudited Activity For the Fiscal Year Ended March 31, 2020

		Program /		
Project	Project	Allowance	Capital Reserve	Grand Total
132015	Newburgh BPS		442,245	442,245
170800	Reservoir Inspection, Design and Rehabilitation Program	(4,496,000)		(4,496,000)
170801	Reservoir Inspection, Design and Rehabilitation	4,496,000	17,500	4,513,500
170900	Suburban Water Meter Pit Rehabilitation and Meter Replacement Program	(3,075,000)		(3,075,000)
170901	Suburban Water Meter Pit Rehabilitation and Meter Replacement	3,075,000		3,075,000
171500	Roof Replacement - Var Facilities Program		\$ (2,657,000)	\$ (2,657,000)
171501	Roof Replacements - Var Facilities Program		\$ 2,948,089	\$ 2,948,089
341001	Security Infrastructure Improvements		\$ 1,173,179	\$ 1,173,179
Grand Total		\$ -	\$ (18,507,642)	\$ (18,507,642)



WASTEWATER SYSTEM

Executive Summary

The rate of spend is a key performance indicator. The development of the FY 2020-2024 and related CIP Plan for FY 2020 were based on anticipation of FY 2020 activity resulting in 75% of planned spend. The Water System spend for the period ending March 31, 2020 is 44.4% of the FY 2020 prorated board approved CIP, 46% of the FY 2020 prorated board approved CIP with project amendments, and 59.1% of the FY 2020 Capital Spending Rate Assumption (SRA). Detailed analysis of the projects for which FY 2020 Board Approved CIP was amended from \$161,480,000 to \$155,792,005 is provided in the subsequent Project Amendment Summary section of this report.

		FY 2019	FY 2019		FY 2020 Prorated	FY 2020 Activity	FY 2020
Wastewater System Projects	FY 2019 CIP	Activity	Percentage	FY 2020 CIP	(Nine Months)	(Unaudited)	Percentage
FY 2019 Board Approved CIP	\$ 105,183,000	82,133,532	78.1%				
FY 2019 Board Approved CIP With Project Amendments	100,264,934	82,133,532	81.9%				
FY 2020 Board Approved CIP			\$	161,480,000	121,110,000	53,719,104	44.4%
FY 2020 Board Approved CIP With Project Amendments				155,792,005	116,844,004	53,719,104	46.0%
FY 2020 Capital Spend Rate Assumption (SRA)				121,110,000	90,832,500	53,719,104	59.1%



Construction Work-in-Progress Rollforward

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 2020 2nd quarter for the following projects:

<u>Project</u>	<u>Contract</u>	<u>Description</u>
171501	1803483	Roof Replacement - Var Facilities Program
212003	PC-796	Aeration System Improvements
260602	DB-261	CSO Fire Alarm System Improvements
260607	1802475	Lieb SDF Electrical Improvements

\$226.4 million is in CWIP as of March 31, 2020 as shown in the table beginning on the next page.

The order of the report on the subsequent pages is in ascending order by CIP project number.



Project	Project Name Roof Replacements - Var Facilities	Total Project Plan Estimate From FY 2021 - 2025 CIP	CWIP Balance July 1, 2019	FY 2020 Board Approved CIP	FY 2020 Board Approved CIP With Project Amendments	FY 2020 Activity through March 31, 2020	Life to Date Capitalization Through March 31, 2020	CWIP Balance March 31, 2020	Life to Date Activity through March 31, 2020	Life to Date Activity / Total Project Plan
171501	•	\$ - \$	- \$	- \$	83,000 \$	83,000	\$ 83,000 \$	-	\$ 83,000	100%
211001	Rehabilitation of Primary Clarifiers Rectangular Tanks, Drain Lines, Electrical/Mechanical Building and Pipe Gallery Pump Station No. 2 Pumping	55,069,000	45,368,717	7,982,000	7,982,000	6,947,230		52,315,947	52,315,947	95%
211002	Improvments	3,772,000	1,911,850	1,222,000	1,222,000	91,741	-	2,003,591	2,003,591	53%
244004	Pump Station 1 Rack & Grit and MPI Sampling Station 1	20.050.000	0.5 500 500	0.00.000	0.00.000	4 400 504		07 (44 470	05 (44 450	2004
211004	Improvements	28,273,000	26,502,582	869,000	869,000	1,108,591	-	27,611,173	27,611,173	98%
211005	Pump Station No. 2 Improvements	34,050,000	1,002	-	-	(1,002)	-	-	-	0%
211006	Pump Station No. 1 Improvements	26,776,000	6,307	1,803,000	1,803,000	1,138,676	-	1,144,982	1,144,982	4%
	Replacement of Bar Racks and Grit Collection System at Pump Station									
211007	No. 2	76,596,000	628	269,000	269,000	2,066	-	2,694	2,694	0%
211008	Rehabilitation of Ferric Chloride Feed systems at the Pump Station - 1 and Complex B Sludge Lines Rehabilitation of the Circular Primary Clarifier Scum Removal	10,825,000	200,048	2,950,000	3,950,000	1,276,973		1,477,021	1,477,021	14%
211009	System	13,249,000	30	-	-	175	-	204	204	0%
211010	Rehabilitation of Sludge Processing Complexes A and B	14,039,000	-	-	-	-	-	-	-	0%
211011	WRRF PS1 Screening and Grit Improvements	100,747,000	_	_	_	_	_	_	_	0%
211011	Study, Design, & Construction,Management Services for Modified Detroit River	100,7 17,000								070
212002	Outfall No. 2 - WRRF	-	10,821,153	-	-	(832)	-	10,820,320	10,820,320	100%
212003	Aeration System Improvements ProjectChlorination/Dechlorinatio n Process Equipment	16,492,000	16,356,789	-	•	168,086	16,524,875		16,524,875	100%
212004	Improvements	5,766,000	192,917	2,345,000	2,903,000	1,000,366	-	1,193,283	1,193,283	21%
	PC-797 Rouge River Outfall Disinfection and CS-1781 Oversight Consulting Services									
212006	Contract	44,440,000	41,691,377	4,583,000	4,731,155	2,011,023	-	43,702,401	43,702,401	98%
212007	Rehabilitation of the Secondary Clarifiers	30,141,000	-	-	-	-	-		-	0%
212008	WRRF Rehabilitation of Intermediate Lift WRRF Aeration Improvements 3	81,514,000	-	229,000	229,000	1,047	-	1,047	1,047	0%
212009	and 4	73,763,000	_	_	-	_	-	-	<u>-</u>	0%



					FY 2020 Board		Life to Date			Life to Date
Project	Project Name	Total Project Plan Estimate From FY 2021 - 2025 CIP	CWIP Balance July 1, 2019	FY 2020 Board Approved CIP	Approved CIP With Project Amendments	FY 2020 Activity through March 31, 2020	Capitalization Through March 31, 2020	CWIP Balance March 31, 2020	Life to Date Activity through March 31, 2020	Activity / Total Project Plan
	WRRF Conversion of Disinfection of all Flow to Sodium Hypochlorite									
212010	and Sodium Bisulfite Rehabilitation of Central Offload	5,986,000	-	-	-	-	-	-	-	0%
213002	Facility	-	-	7,696,000	7,696,000	-	-	-	-	100%
213005	Complex I Incinerators Decommissioning and Reusability	-	369,648	_	_	22	369,671	-	369,671	100%
040006	Improvements to Sludge Feed	4.654.000	1076			20.4				201
213006	Pumps at Dewatering Facilities Construction of the Improved Sludge Conveyance and Lighting	4,651,000	4,856	-	<u>-</u>	894	<u> </u>	5,750	5,750	0%
213007	System at the WWTP Rehabilitation of the Wet and Dry	19,946,000	10,809,195	8,711,000	9,011,000	6,062,905	-	16,872,100	16,872,100	85%
213008	Ash Handling Systems Phosphorous Recovery Facility at	18,543,000	85	111,000	111,000	43,269	-	43,353	43,353	0%
213009	the WWRF	-	(99)	-	-	99	-	-	-	100%
24.4004	Relocation of Industrial Waste Division and Analytical Laboratory	14.004.000	45.045	7.5.7.000	0.267.000	2.050.404	2 202 262	2.005.440	(255 (50	450/
214001	Operations Rehabilitation of Various Sampling Sites and PS# 2 Ferric Chloride	14,001,000	17,017	7,567,000	8,367,000	3,978,401	2,282,260	3,995,419	6,277,678	45%
216004	System at WWTP	5,729,000	814,368	3,921,000	3,921,000	672,430	-	1,486,798	1,486,798	26%
	Rehabilitation of the Screened Final Effluent (SFE) Pump Station									
216006	and Secondary Water System	24,512,000	17,581	323,000	323,000	17,703	-	35,284	35,284	0%
216007	DTE Primary Electric 3rd Feed Supply Line to the WRRF Rehabilitation of Screened Final	5,823,000	2,194,169	1,381,000	1,381,000	129,827	543,500	2,323,996	2,867,496	49%
216008	Effluent (SFE) Pump Station	24,954,000	-	1,091,000	1,091,000	873	-	873	873	0%
216009	Logistics & Material Facility	2,768,000	-	-	-	114,532	-	114,532	114,532	4%
216010	WRRF Facility Optimization Intercommunity Relief Sewer Modifications in Detroit Oakwood	10,338,000	-	-	<u>-</u>	-	-	<u>-</u>	-	0%
222001	District	53,512,000	-	-	-	-	-	-	-	0%
222002	Detroit River Interceptor Evaluation and Rehabilitation	81,676,000	10,611,644	10,000,000	4,049,445	8,234,248	-	18,845,892	18,845,892	23%
222003	North Interceptor East Arm (NIEA) Evaluation and Rehabilitation Collection System Valve Remote	-	-	15,000,000	15,000,000		-	_	-	100%
222004	Operation Structures Improvements	41,126,000	4,246	3,500,000	3,500,000	223,465		227,710	227,710	1%
232001	Fairview Pumping Station - Replace Four Sanitary Pumps	37,276,000	3,475,448	18,000,000	16,265,405	8,164,882	_	11,640,330	11,640,330	31%



Project	Project Name	Total Project Plan Estimate From FY 2021 - 2025 CIP	CWIP Balance July 1, 2019	FY 2020 Board Approved CIP	FY 2020 Board Approved CIP With Project Amendments	FY 2020 Activity through March 31, 2020	Life to Date Capitalization Through March 31, 2020	CWIP Balance March 31, 2020	Life to Date Activity through March 31, 2020	Life to Date Activity / Total Project Plan
222002	Freud and Connor Creek Pump	222 000 000	E E 72 224	17.020.000	17 220 000	420.012	F7 704	6,002,245	6.061.000	20/
232002	Station Improvements Northeast Pump Station	222,099,000	5,573,334	17,029,000	17,229,000	430,012	57,734	6,003,345	6,061,080	3%
232003	Improvements			7,000,000	7,000,000			_		100%
232003	CONDITION ASSESSMENT AT			7,000,000	7,000,000					10070
232004	BLUE HILL PUMP STATION	286,000	_	_	_	_	-	_	_	0%
	Collection System In System									5,0
	Storage Devices(ISDs)									
233002	Improvements	-	235	-	-	-	-	235	235	100%
	Rouge River In-system Storage									
233003	Devices	46,797,000	-	-	-	-	-	-	-	0%
251002	Wastewater System Wide Instrumentation & Controls Software and Hardware Upgrade Water Resource Recovery Facility		71	-	-			71	71	100%
	(WRRF), Lift Station & Wastewater									
260100	Collection System Allowance	-	-	1,100,000	1,100,000	-	-	-	-	100%
260200	Sewer and Interceptor Evaluation and Rehabilitation Program Conveyance System Interceptor	154,643,000	-	15,000,000	6,550,048			-	-	0%
260201	Rehab	-	4,810,116	-	7,400,000	4,077,255	9,176,553	8,887,371	18,063,924	100%
260202	Conveyance System Interceptor Rehab	_	17,031	-	-	5,344		22,375	22,375	100%
	Conveyance System Interceptor									
260203	Rehab	-	4,642,133	-	-	-	-	4,642,133	4,642,133	100%
260204 260500	Energy Services for Rehabilitation of Conveyance Sewer System CSO Outfall Rehab	64,406,000	133	- 15,102,000	1,049,952 10,302,925	755,870 -	<u>-</u>	756,002 -	756,002 -	100% 0%
0.60=00			7 .00					=	7.0	1000/
260503	Collection System Backwater Gates	-	760	-	-	=	-	760	760	100%
260504	Rehabilitation of Outfalls - Phase II	-	_		3,000,000	1,141,388		1,141,388	1,141,388	100%
260505	Rehabilitation of Outfalls - Phase IV				1,799,075	627,878		627,878	627,878	100%
200505	IV	-	-	-	1,/99,0/5	047,878	-	047,878	047,878	100%
260506	Pilot Regulator Orifice Expansion	_	_	_	_	75,102	_	75,102	75,102	100%
260600	CSO Facilities Improvements	152,943,000	-	5,604,000	2,940,613	7 3,102	-	73,102	73,102	0%
_3000	Oakwood Drain Valve	102,5 10,000		0,001,000	2,7 10,010					370
260601	Improvements	-	539,857	-	33,000	101,842	-	641,699	641,699	100%
	CSO Fire Alarm System		,		,	,			, , , ,	
260602	Improvements	-	812,407	-	-	205,284	997,619	20,072	1,017,691	100%
260603	Conner Creek CSO Basin Rehab	-	4,404,704	-	1,255,387	1,671,917	-	6,076,621	6,076,621	100%
260605	CSO Faciliaties CA	-	16,914	-	-	(16,914)	-	-	-	100%



Project	Project Name	Total Project Plan Estimate From FY 2021 - 2025 CIP	CWIP Balance July 1, 2019	FY 2020 Board Approved CIP	FY 2020 Board Approved CIP With Project Amendments	FY 2020 Activity through March 31, 2020	Life to Date Capitalization Through March 31, 2020	CWIP Balance March 31, 2020	Life to Date Activity through March 31, 2020	Life to Date Activity / Total Project Plan
260606	Puritan Fenkell Roof Replacement	-	1,944	-	-	344,596	346,540	-	346,540	100%
260607	Lieb SDF Electrical Improvements Seven Mile RTB - Roof	-	241,513	-	450,000	791,141	1,032,508	146	1,032,655	100%
260608	Replacement Seven Mile RTB - Parking Lot /		12,451		300,000	484,248	496,699	-	496,699	100%
260609	Sitework	-	23,197	-	400,000	87,508	-	110,705	110,705	100%
260610	Baby Creek MAU Replacement	-	1,773	-	-	273,378	-	275,151	275,151	100%
260611	HVAC Improvements At Lieb SDF	-	5,283	-	225,000	19,937	-	25,221	25,221	100%
260613	Baby Creek HVAC Improvements CSO Facilities Structural		76	-	_	7,377	-	7,453	7,453	100%
260614	Improvements PF & Lieb CSO Facilities Site &	-	335,143	-	-	(63,069)	-	272,074	272,074	100%
260615	Drainage Improvements Baby Creek SCO Anchor & Wedge	-	_	-	-	7,320	-	7,320	7,320	100%
260616	Improvements St. Aubin Chemical Disinfection	-	-	-	-	648,275	-	648,275	648,275	100%
260617	Improvements	-	-	-	-	131,693	-	131,693	131,693	100%
260618	Oakwood HVAC Improvements	-	-	-	-	17,284	-	17,284	17,284	100%
270001	Pilot CSO Netting Facility Meldrum Sewer Diversion and VR-	7,769,000	-	-	-	-	-	-	-	0%
270002	15 Improvements	6,079,000	-	-	-		-	-	-	0%
270003	Long Term CSO Control Plan	5,794,000	-	-	-	94,268	-	94,268	94,268	2%
277001	Baby Creek Outfall Improvements Project	2,237,000	-	-	-	3,686	-	3,686	3,686	0%
	Roofing Systems Replacement at GLWA Wastewater Treatment Plant, CSO Retention Treatment Basins (RTB) and Screening									
331002	Disinfection Facilities (SDF) Security Infrastructure	9,745,000	802,470	1,092,000	1,092,000	320,586	1,123,056	-	1,123,056	12%
341001	Improvements Security Infrastructure	-	102,924	-	-	5,211	-	108,134	108,134	100%
341002	Improvements General Engineering Services	2,630,000	-	-				-	-	0%
380600	Allowance General Engineering Services	(51,000)	-	_	-	-	-			0%
380601	Allowance		632	-	-		_	632	632	100%
381000	Energy Management: Electric Metering Improvement Program	3,435,000		_			_		_	0%
Grand Total		\$ 1,645,165,000		5 161,480,000 \$ ect Amendments \$	156,884,005 \$ (4,595,995)	53,719,104	\$ 208,650,621 \$	226,461,795	\$ 435,112,416	26%





FY 2020 Project Amendment Summary

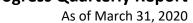
The purpose of the Project Amendment Summary is to illustrate the amendments to the current fiscal year board approved CIP for each project with an amendment resulting from the use of allowance and program funding for a specific amount necessitated by contract award.

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 2020 Capital Improvement Plan.

\$4.6 million of Capital Reserve project amendments have been prepared as of March 31, 2020 as shown in the table on the next page along with project amendments detailing the assignment of funding within Program and Allowance accounts.

The order of the report on the subsequent page is in ascending order by CIP project number.







Great Lakes Water Authority Wastewater System Project Amendment Summary Unaudited Activity For the Fiscal Year Ended March 31, 2020

		Due sweet /				
Developet	Develope	Program /	Cam	ital Dagawya	C	. 1
Project	Project Project			ital Reserve		
171501	Roof Replacements - Var Facilities Program		\$	83,000	\$	83,000
211008	Rehabilitation of Ferric Chloride Feed systems at the Pump Station -1 and Complex B Sludge Lines			1,000,000		1,000,000
212004	Chlorination/Dechlorination Process Equipment Improvements			558,000		558,000
212006	PC-797 Rouge River Outfall Disinfection and CS-1781 Oversight Consulting Services Contract		\$	148,155	\$	148,155
213007	Construction of the Improved Sludge Conveyance and Lighting System at the WWTP		\$	300,000	\$	300,000
214001	Relocation of Industrial Waste Division and Analytical Laboratory Operations		\$	800,000	\$	800,000
222002	Detroit River Interceptor Evaluation and Rehabilitation		\$	(5,950,555)	\$	(5,950,555)
232001	Fairview Pumping Station - Replace Four Sanitary Pumps		\$	(1,734,595)	\$	(1,734,595)
232002	Freud and Connor Creek Pump Station Improvements		\$	200,000	\$	200,000
260200	Sewer and Interceptor Evaluation and Rehabilitation Program	(8,449,952)				(8,449,952)
260201	Conveyance System Interceptor Rehab	7,400,000				7,400,000
260204	Energy Services for Rehabilitation of Conveyance Sewer System	1,049,952				1,049,952
260500	CSO Outfall Rehab	(4,799,075)				(4,799,075)
260504	Rehabilitation of Outfalls - Phase II	3,000,000				3,000,000
260505	Rehabilitation of Outfalls - Phase IV	\$ 1,799,075			\$	1,799,075
260600	CSO Facilities Improvements	\$ (2,663,387)			\$	(2,663,387)
260601	Oakwood Drain Valve Improvements	\$ 33,000			\$	33,000
260603	Conner Creek CSO Basin Rehab	\$ 1,255,387			\$	1,255,387
260607	Lieb SDF Electrical Improvements	\$ 450,000			\$	450,000
260608	Seven Mile RTB - Roof Replacement	\$ 300,000			\$	300,000
260609	Seven Mile RTB - Parking Lot / Sitework	\$ 400,000			\$	400,000
260611	HVAC Improvements At Lieb SDF	\$ 225,000			\$	225,000
Grand Total		\$ -	\$	(4,595,995)	\$	(4,595,995)