Financial Services



Date: June 22, 2022

To: Great Lakes Water Authority Audit Committee

From: Lisa L. Mancini, Financial Planning & Analysis Manager

Re: FY 2022 Fourth Quarter Budget Amendments through June 30, 2022, and Proposed Budget Amendment Resolution

Background: In accordance with the budget amendment policy, articles, and by-laws for the Great Lakes Water Authority, a quarterly budget amendment report is presented for review by the Audit Committee. When budget amendments are required at the appropriation level as defined by the corresponding fiscal year budget adoption resolution, the Audit Committee generally reviews the proposed budget amendments and forward to the Board of Directors with a recommendation. Given the timing of fourth quarter budget amendments for FY 2022, the matter is being brought to the full Board for consideration.

Analysis: Highlights of the FY 2022 fourth quarter budget amendments include the following.

- A. Net decrease to the Water System revenues of \$3.8 million (Table 1A)
 - \$2.5 million revenue decrease The decrease in water demand usage through the fourth quarter of FY 2022 (combined with the first quarter decrease of \$2.4 million brings the total decrease to \$4.9 million).
 - \$1.2 million revenue decrease Increase to Dearborn bad debt (combined with the amount included in the FY 2022 approved budget of \$1.2 million brings the total FY 2022 bad debt to \$2.4 million). This line item is an offset to revenue.
 - \$97,600 revenue decrease Other revenues adjustment for lead and copper testing fees and lease revenues (radio towers and easements).
 - The total revenue decrease was offset by a corresponding decrease in the Improvement & Extension Fund contribution budgeted for FY 2022.

- B. Net increase to the Sewer System revenues of \$2.3 million (Table 1B)
 - \$1.4 million revenue increase Decrease to Highland Park bad debt. This expense was originally budgeted at zero and was subsequently increased to \$5.4 million with the first and second quarter budget amendments due to nonpayment. Recently, Highland Park began making payments, which has resulted in this fourth quarter budget amendment to reduce the bad debt expense to \$4.0 million for FY 2022. This item is an offset to revenue.
 - ▶ \$0.9 million revenue increase increase to activity for pollutant surcharge.
 - \$25,000 revenue increase Other revenues adjustment for septic tank disposal fees.
 - The total revenue increase was offset by a corresponding increase in the Improvement & Extension Fund contribution budgeted for FY 2022.
- C. Construction Funds Grant Revenues (SRF Loans) (Tables 4A and 4B) The amount budgeted for the State Revolving Fund (SRF) Loans for both the water (\$9.5 million decrease) and sewer (\$4.1 million decrease) construction funds have been adjusted to reflect the timing of project design and construction activity. The result is that the close on the related SRF loans has shifted to FY 2023.
- D. Construction Funds Capital Spend Rate Adjustment (Tables 4A and 4B) The Capital Spending Ratio for the water capital improvement plan is forecasted to decrease from 100.6% to 95.0% which equates to \$10.0 million. The Capital Spending Ratio for the sewer capital improvement plan was decreased from 79.2% to 69.8% which equates to \$10.0 million. These adjustments were based on a review of the actual spend in FY 2022 based on financial records and discussion with project personnel.

The attached budget amendment report is organized in the following manner.

1. Appropriation Level - Revenue Requirement - Water and Sewer Systems

- A. Water System General Operating Fund
- B. Sewer System General Operating Fund
- C. Total Operating Fund Level Water System and Sewer System (Supplemental Information)
- D. Enterprise-wide Core Groups (Supplemental Information)
- E. Enterprise-wide Operations & Maintenance Account Type (Supplemental Information)

F. Unallocated Reserve by Core Group (Supplemental Information)

2. Appropriation Level – Debt Service – Water and Sewer Systems

- A. Water System Debt Service Coverage Calculation
- B. Sewer System Debt Service Coverage Calculation

3. Appropriation Level – Improvement & Extension Fund – Water and Sewer Systems

- A. Water System Improvement & Extension Fund
- B. Sewer System Improvement & Extension Fund

4. Appropriation Level - Construction Fund - Water and Sewer Systems

- A. Water System Construction Fund
- B. Sewer System Construction Fund

A budget amendment resolution reflecting the budget amendments is attached.



Table 1A - Appropriation Level - Revenue Requirement - Water System General Operating

Water System	FY 2022 Board Adopted Budget		Total st Quarter FY 2022 mendments	Total 2nd Quarter FY 2022 Amendments		Total 3rd Quarter FY 2022 Amendments		Total th Quarter FY 2022 nendments	FY 2022 Amended Budget	FY 2022 Activity Thru 04/30/2022
Revenues	Daagot			7 110 110 110					Daagot	
Suburban Wholesale Customer Charges	\$ 322,334,700	\$	(2,400,000)	\$ -	\$	- -	\$	(2.500.000)	\$ 317,434,700	\$ 262,374,300
Less: Bad Debt	(1,223,800)	+	-	-	Ŧ	_	Ŧ	(1,200,000)		-
Retail Service Charges	21,697,300		-	-		-		-	21,697,300	18,081,100
Investment Earnings	1,047,300		500,000	376,500		-		-	1,923,800	1,617,900
Other Revenues	175,000		-	116,000		491,000		(97,600)	684,400	719,700
Total Revenues	\$ 344,030,500	\$	(1,900,000)	\$ 492,500	\$	491,000	\$	(3,797,600)	\$ 339,316,400	\$ 282,793,000
Revenue Requirements										
Operations & Maintenance Expense	\$ 143,933,800	\$	-	\$-	\$; <u> </u>	\$	-	\$ 143,933,800	\$ 105,541,400
General Retirement System Legacy Pension	6,048,000		_	_		_		-	6,048,000	5,040,000
Debt Service	135,481,000		(360,000)	-		-		-	135,121,000	112,803,700
General Retirement System Accelerated Pension	6,268,300		-	-		_		-	6,268,300	5,223,800
Extraordinary Repair & Replacement Deposit	_		-	_		_		-	_	_
Water Residential Assistance Program Contribution	1,705,500		_	_		_		_	1,705,500	1,421,200
Regional System Lease	22,500,000		-	-		-		-	22,500,000	18,750,000
DWSD Budget Shortfall Pending	-		-	-		-		-	-	-
Improvement & Extension Fund Transfer Pending	28,093,900		(1,540,000)	492,500		491,000		(3,797,600)	23,739,800	22,549,900
Total Revenue Requirements	\$ 344,030,500	\$	(1,900,000)		1	491,000	\$	(3,797,600)		\$ 271,330,000
Net Actual to Date	\$ -	\$	-	\$ -	\$		\$	-	\$ -	\$ 11,463,000



Appropriation Level – Revenue Rec	uirement – Water System General Operating Budget Amendment Explanation
Revenues	
Suburban Wholesale Customer	The change to this category is due to the decrease in water demand usage through the
Charges	fourth quarter of FY 2022.
Bad Debt	The change to this category is the result of an adjustment (increase) to the allowance for
	bad debt expense for Dearborn.
Retail Services Charges	No budget amendment is required.
Investment Earnings	No budget amendment is required.
Other Revenues	The budget amendment proposed is based on activity to date for lead and copper testing
	fees and lease payments received (radio towers and easements). This source of revenue
	fluctuates from year to year.
Revenue Requirements (Expenditur	es)
Operations & Maintenance Expense	No budget amendment is required.
General Retirement System Legacy	No budget amendment is required. Budget and funding are on a fixed schedule.
Pension	
Debt Service	No budget amendment is required.
General Retirement System Legacy	No budget amendment is required. Budget and funding are on a fixed schedule.
Pension – Accelerated Payment	
Extraordinary Repair &	No budget amendment is required. This is a formulaic requirement in the Master Bond
Replacement Deposit	Ordinance. Based on adopted and amended budget, no adjustment is required.
Water Residential Assistance	No budget amendment is required. Budget is fixed at time of budget adoption.
Program Contribution	
Regional System Lease	No budget amendment is required. Lease payment is established in accordance with terms
	of the lease.
DWSD Budget Shortfall Pending	No budget amendment is proposed at this time.



Appropriation Level – Revenue Requirement – Water System General Operating Budget Amendment Explanation												
Improvement & Exter	ision Fund	Represents annual funding for pay-as-you-go capital improvement program. Budget										
Transfer Pending		amendments to revenues, bad debt, investment earnings, debt service, and DWSD budget										
		shortfall affect this line item.										



Table 1B - Appropriation Level - Revenue Requirement - Sewer System General Operating

	FY 2022 Board	Total 1st Quarter	Total 2nd Quarter	Total 3rd Quarter	Total 4th Quarter	FY 2022	FY 2022
Sewer System	Adopted Budget	FY 2022 Amendments			FY 2022 Amendments	Amended Budget	Activity Thru 04/30/2022
Revenues							
Suburban Wholesale Customer Charges	\$ 272,130,000	\$ -	\$ -	\$-	\$ -	\$ 272,130,000	\$ 226,968,300
Less: Bad Debt	-	(3,000,000)	(2,400,000)	-	1,400,000	(4,000,000)	-
Retail Service Charges	188,662,200	_	_	-	-	188,662,200	157,218,500
Industrial Waste Control Charges	9,024,800	-	(700,000)	-	-	8,324,800	6,914,600
Pollutant Surcharges	4,188,900	-	-	-	900,000	5,088,900	4,121,000
Investment Earnings	1,023,300	500,000	352,900	-	-	1,876,200	1,350,300
Other Revenues	400,000	-	90,000	23,000	25,000	538,000	398,300
Total Revenues	\$ 475,429,200	\$ (2,500,000)	\$ (2,657,100)	\$ 23,000	\$ 2,325,000	\$ 472,620,100	\$ 396,971,000
Revenue Requirements							
Operations & Maintenance Expense	\$ 181,299,800	\$ -	\$ -	\$ 10,608,800	\$ -	\$ 191,908,600	\$ 155,864,300
General Retirement System Legacy Pension	10,824,000	-	-	-	-	10,824,000	9,020,000
Debt Service	207,209,500	(2,225,000)	-	-	-	204,984,500	171,271,000
General Retirement System Accelerated Pension	11,620,700	-	-	-	_	11,620,700	9,683,900
Extraordinary Repair & Replacement Deposit	_	_	_	_	_	_	_
Water Residential Assistance Program Contribution	2,358,300	_	_	_	_	2,358,300	1,965,200
Regional System Lease	27,500,000	-	-	-	-	27,500,000	22,916,700
DWSD Budget Shortfall Pending	-	-	-	-	-	-	-
Improvement & Extension Fund Transfer Pending	34,616,900	(275,000)	(2,657,100)	(10,585,800)	2,325,000	23,424,000	28,196,600
Total Revenue Requirements	\$ 475,429,200	\$ (2,500,000)	\$ (2,657,100)		\$ 2,325,000	\$ 472,620,100	\$ 398,917,700
Net Actual to Date	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,946,700)



Appropriation Level – Revenue Rec	quirement – Sewer System General Operating Budget Amendment Explanation
Revenues	
Suburban Wholesale Customer	No budget amendment is required.
Charges	
Bad Debt	The change to this category is the result of an adjustment (decrease) to the allowance for
	bad debt expense for Highland Park.
Retail Services Charges	No budget amendment is required.
Industrial Waste Control Charges	No budget amendment is required.
Pollutant Surcharges	The budget amendment proposed is for the increase to FY 2022 activity for pollutant
	surcharges.
Investment Earnings	No budget amendment is required.
Other Revenues	The budget amendment proposed is based on activity to date for septic tank disposal fees.
	This source of revenue fluctuates from year to year.
Revenue Requirements (Expenditur	es)
Operations & Maintenance Expense	No budget amendment is required.
General Retirement System Legacy	No budget amendment is required. Budget and funding are on a fixed schedule.
Pension	
Debt Service	No budget amendment is required.
General Retirement System Legacy	No budget amendment is required. Budget and funding are on a fixed schedule.
Pension – Accelerated Payment	
Extraordinary Repair &	No budget amendment is required. This is a formulaic requirement in the Master Bond
Replacement Deposit	Ordinance. Based on adopted and amended budget, no adjustment is required.
Water Residential Assistance	No budget amendment is required. Budget is fixed at time of budget adoption.
Program Contribution	



Appropriation Level – Revenue Rec	uirement – Sewer System General Operating Budget Amendment Explanation
Regional System Lease	No budget amendment is required. Lease payment is established in accordance with terms
	of the lease.
DWSD Budget Shortfall Pending	No budget amendment is proposed at this time. The 2018 Memorandum of Understanding provides guidance related to repayment to the extent that the shortfall is not cured by other means before June 30 th of the subsequent year. Communication with DWSD Management indicates that plans are cautiously optimistic that the shortfall will be cured by year-end.
Improvement & Extension Fund	Represents annual funding for pay-as-you-go capital improvement program. Budget
Transfer Pending	amendments to revenues, bad debt, investment earnings, debt service, and DWSD budget
	shortfall affect this line item.



	FY 2022		Total		Total		Total	Total		
	Board	1:	st Quarter	2no	d Quarter	3	rd Quarter	4th Quarter	FY 2022	FY 2022
	Adopted		FY 2022	F	Y 2022		FY 2022	FY 2022	Amended	Activity Thru
System	Budget	An	nendments	Am	endments	Ar	nendments	Amendments	Budget	04/30/2022
Water System Operations	\$ 143,933,800	\$	-	\$	-	\$	-	\$-	\$ 143,933,800	\$ 105,541,400
Wastewater System Operations	181,299,800		-		-		10,608,800	-	191,908,600	155,864,300
Total	\$ 325,233,600	\$	-	\$	-	\$	10,608,800	\$-	\$ 335,842,400	\$ 261,405,700

Table 1C - Supplemental Information - Operating Fund Level - Water System and Sewer System

Totals may be off due to rounding.

As shown in the table above, there are no budget amendments for transfers of resources between the water and sewer funds. It is unforeseen that such an amendment would occur as each system is accounted for as a stand-alone entity. The purpose of this table is to transparently report that funds from one system do not provide budget support to the other system.



O&M Major Budget Categories (Core Groups)	FY 2022 Board Adopted Budget	1st (FY	otal Quarter 2022 Idments	Tot 2nd Qu FY 20 Amendr	arter 022	3rd F	Total Quarter Y 2022 endments	Total 4th Quar FY 202 Amendme	ter 2	ŀ	FY 2022 Amended Budget	FY 2022 ctivity Thru 04/30/2022
A Water System Operations	\$ 74,813,000		-	\$	-	\$	1,608,800		-		76,421,800	\$ 61,545,400
B Wastewater System Operations	111,971,400		-		-		9,000,000		-		20,971,400	98,348,100
C Centralized Services	103,845,900		-		-		-		-	1	103,845,900	75,344,300
D Administrative & Other Services	34,603,300		-		-		-		-		34,603,300	26,167,900
Total	\$ 325,233,600	\$	-	\$	-	\$ 1	0,608,800	\$	-	\$ 3	335,842,400	\$ 261,405,700

Table 1D - Supplemental Information - Enterprise-wide Core Groups

Totals may be off due to rounding.

A subset of the operating funds are core groups that account for A) direct cost of water operations, B) direct cost of sewer operations, C) centralized services (E.g., field services, security, information technology, facilities, and fleet), D) administrative services (E.g., finance, public affairs, general counsel, and organizational development). The costs of the latter two categories are allocated to the water and sewer systems based upon an internal cost allocation plan that is performed on an annual basis.

Through the fourth quarter FY 2022, there are no amendments that cross the core groups. For more activity within these groups, see *Supplemental Information - Enterprise-wide Operations & Maintenance Department and Account Level Amendments (Addendum 1).*



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O&M Expense Categories (Account Type)	FY 2022 Board Adopted Budget	Total 1st Quarter FY 2022 Amendments	Total 2nd Quarter FY 2022 Amendments	Total 3rd Quarter FY 2022 Amendments	Total 4th Quarter FY 2022 Amendments	FY 2022 Amended Budget	FY 2022 Activity Thru 04/30/2022
Personnel Costs	\$ 115,437,400	\$ (1,436,600)	\$ (92,700)	\$ (994,400)	\$ (1,045,100)	\$ 111,868,600	\$ 90,314,700
Utilities	50,398,000	-	42,900	7,803,400	1,138,800	59,383,100	48,480,300
Chemicals	16,044,300	-	1,470,400	1,580,800	746,800	19,842,300	15,992,700
Supplies & Other	38,559,700	1,057,200	(2,534,200)	(1,986,000)	(62,400)	35,034,300	25,354,400
Contractual Services	103,375,700	1,459,000	1,958,600	3,744,700	660,200	111,198,200	85,567,100
Capital Program Allocation	(3,471,000)	-	-	304,300	482,400	(2,684,300)	(2,134,700)
Shared Services	(1,892,500)	(883,200)	(153,300)	(273,200)	-	(3,202,200)	(2,168,800)
Unallocated Reserve	6,782,000	(196,400)	(691,700)	429,200	(1,920,700)	4,402,400	-
Total	\$ 325,233,600	\$-	\$ -	\$ 10,608,800	\$-	\$ 335,842,400	\$ 261,405,700

Table 1E - Supplemental Information - Enterprise-wide Operations & Maintenance Account Type

Totals may be off due to rounding.

The table above presents the Operations & Maintenance budget by the major expense categories (account type).

For additional detail and the explanation of the key changes to the FY 2022 budget within these categories, see *Supplemental Information - Enterprise-wide Operations & Maintenance Department and Account Level Amendments (Addendum 1).*

For an additional view of the Operations & Maintenance budget by expense category (account type) and by departmental level, see *Supplemental Information - Enterprise-wide Operations & Maintenance Account Type and Departmental Level Amendments (Addendum 2).*



O&M Unallocated Reserves	FY 2022 Board Adopted Budget	Total st Quarter FY 2022 nendments	Total nd Quarter FY 2022 mendments	Total rd Quarter FY 2022 nendments	Total th Quarter FY 2022 nendments	Ar	Y 2022 nended Sudget
Water System Operations	\$ 1,798,800	\$ -	\$ -	\$ 1,207,800	\$ (1,397,000)	\$ 1	,609,600
Wastewater System Operations	2,250,900	(1,061,100)	153,300	(1,080,500)	-		262,600
Centralized Services	2,187,600	(227,200)	(61,700)	913,500	(282,000)	2	,530,200
Administrative & Other Services	544,700	1,091,900	(783,300)	(611,600)	(241,700)		-
Total	\$ 6,782,000	\$ (196,400)	\$ (691,700)	\$ 429,200	\$ (1,920,700)	\$4	- ,402,400

Totals may be off due to rounding.

An Unallocated Reserve account is established for each of the four core groups. Budget is assigned to these accounts to cover expenditures not known at the time the budget is developed (merit increases, fluctuations within maintenance contracts and usage of utilities and chemicals, projects and initiatives not planned at the time the initial budget was developed, etc.). It is GLWA's internal budget directive for each area, group, and team to manage their needs to an amount within the initial budget. If required, an amendment is made from the unallocated reserve. If an area does not require as much funding as was established in the original budget, that department's budgeted expenses are reduced, and the unallocated reserve is increased.

For additional information on the FY 2022 changes to the unallocated reserve, see *Supplemental Information - Enterprise-wide Operations & Maintenance Department and Account Level Amendments (Addendum 1).*



Table 2A - Appropriation Level - Debt Service Coverage Calculation - Water System

	FY 2022 Board	1st Quarter FY 2022 Amendments	1st Quarter FY 2022	FY 2022	F` Ame	Quarter Y 2022 ndments	2nd Quarter FY 2022	FY 2022	F Am	d Quarter FY 2022 endments	3rd Quarter FY 2022	FY 2022	4th Quart FY 2022 Amendme	2 nts	4th Quarter FY 2022	FY 2022
Water System - Debt Service Coverage	Adopted	Regional	Amendments	Amended			Amendments	Amended			Amendments Amended		Regional		Amendments	Amended
Calculation Revenues	Budget	System	Local System	Budget	5	ystem	Local System	Budget		System	Local System	Budget	System		Local System	Budget
1 Regional System Wholesale Revenues	\$342,808,200	\$ (2,400,000)	¢	\$340,408,200	s		s -	\$340,408,200	\$		\$-	\$340,408,200	\$ (3,700,0		¢	\$336,708,200
o ,		,			¢	-	ф -		à	-	р -		\$ (3,700,0	JUU)	\$-	
2 Local System Revenues	73,264,300	-	(3,626,300)	69,638,000		-	-	69,638,000		-	-	69,638,000		-	-	69,638,000
3 Miscellaneous Revenue (Local System)	6,428,400	-	(2,614,900)	3,813,500		-	-	3,813,500		-	-	3,813,500	(07.	-	-	3,813,500
4 Non-Operating Revenue (Regional System)	1,222,300	500,000	-	1,722,300		492,500	-	2,214,800		491,000	-	2,705,800	(97,6		-	2,608,200
5 Total Revenues	\$423,723,200	\$ (1,900,000)	\$ (6,241,200)	\$415,582,000	\$	492,500	\$-	\$416,074,500	\$	491,000	ş -	\$416,565,500	\$ (3,797,6	500)	ş -	\$412,767,900
Revenue Requirements Operations & Maintenance Expense																
6 Regional System Wholesale Expenses	\$143,933,800	\$-	\$ -	\$143,933,800	\$	-	\$-	\$143,933,800	\$	-	\$-	\$143,933,800	\$	- :	\$-	\$143,933,800
7 Local System Expenses	34,648,600	-	(4,659,600)	29,989,000		-	-	29,989,000		-	-	29,989,000		-	-	29,989,000
8 GRS Pension allocable to Regional System	6,048,000	-	- 1	6,048,000		-	-	6,048,000		-	-	6,048,000		-	-	6,048,000
9 GRS Pension allocable to Local System	4,272,000	-	-	4,272,000		-	-	4,272,000		-	-	4,272,000		-	-	4,272,000
10 Total Operations & Maintenance																
Expense	188,902,400	-	(4,659,600)	184,242,800		-	-	184,242,800		-	-	184,242,800		-	-	184,242,800
11 Net Revenues after Operations & Maintenance Expense	\$234,820,800	\$ (1,900,000)	\$ (1,581,600)	\$ 231, 339, 200	\$	492,500	\$-	\$231,831,700	\$	491,000	\$-	\$ 232,322,700	\$ (3,797,	600)	\$-	\$228,525,100
Debt Service by Lien																
12 Senior Lien Bonds	\$124,309,700	\$-	\$-	\$124,309,700	\$	-	\$ -	\$124,309,700	\$	-	\$ -	\$124,309,700	\$	-	\$-	\$124,309,700
13 Second Lien Bonds	46,840,400	-	-	46,840,400		-	-	46,840,400		-	-	46,840,400		-	-	46,840,400
14 SRF Junior Lien Bonds	6,695,100	(360,000)	-	6,335,100		-	-	6,335,100		-	-	6,335,100		-	-	6,335,100
15 Total Debt Service	\$177,845,200	\$ (360,000)	\$-	\$177,485,200	\$	-	\$ -	\$177,485,200	\$	-	\$ -	\$177,485,200	\$	- :	\$-	\$177,485,200
Debt Service Coverage																
16 Senior Lien Bonds (11)/(12)	1.89	(0.02)	(0.01)	1.86	1	0.00	0.00	1.86	1	0.00	0.00	1.87	(0	.03)	0.00	1.84
17 Second Lien Bonds (11) / [(12)+(13)]	1.37	(0.01)	(0.01)	1.35		0.00	0.00	1.35		0.00	0.00	1.36	(0	.02)	0.00	1.34
18 SRF Junior Lien Bonds (11) / (15)	1.32	(0.01)	(0.01)	1.30		0.00	0.00	1.31		0.00	0.00	1.31	(0	.02)	0.00	1.29

* Rows highlighted in light grey in the above table are designed to align with the DWSD Budget.

** Total Debt Service, highlighted in dark grey (Row 15) in the above table, is adopted by the GLWA Board.



Appropriation Level - Debt Ser	vice - Water System Debt Service Coverage Calculation Budget Amendment
Explanation	
Total Debt Service	For purposes of Debt Service coverage, we look at the combined Regional and Local (DWSD) revenue less operations & maintenance (O&M) expense to determine net revenues to calculate the Debt Service Coverage. The Board adopts the Debt Service amount shown on line 15 of the Water System Debt Service Coverage Calculation table on the previous page. This is the amount necessary to pay the principal of and interest on all Regional Water System bonds and to restore any reserves therefore established in the Master Bond Ordinance.



Table 2B - Appropriation Level - Debt Service Coverage Calculation - Sewer System

	FY 2022 Board	1st Quarter FY 2022 Amendments	1st Quarter FY 2022	FY 2022	2nd Quarter FY 2022 Amendments	2nd Quarter FY 2022	FY 2022	3rd Quarter FY 2022 Amendments	3rd Quarter FY 2022	FY 2022	4th Quarter FY 2022 Amendments	4th Quarter FY 2022	FY 2022
Sewer System - Debt Service Coverage	Adopted	Regional	Amendments	Amended	Regional	Amendments	Amended	Regional	Amendments	Amended	Regional	Amendments	Amended
Calculation	Budget	System	Local System	Budget	System	Local System	Budget	System	Local System	Budget	System	Local System	Budget
Revenues													
1 Regional System Wholesale Revenues	\$474,005,900	\$ (3,000,000)			\$ (3,100,000)	\$-	\$467,905,900	\$-	\$-	\$467,905,900	\$ 2,300,000	\$ -	\$470,205,900
2 Local System Revenues	104,684,700	-	(6,803,300)	97,881,400	-	-	97,881,400	-	-	97,881,400	-	-	97,881,400
3 Miscellaneous Revenue (Local System)	6,810,800	-	364,200	7,175,000		-	7,175,000	-	-	7,175,000	-	-	7,175,000
4 Non-Operating Revenue (Regional System)	1,423,300	500,000	-	1,923,300	442,900	-	2,366,200	23,000	-	2,389,200	25,000	-	2,414,200
5 Total Revenues	\$586,924,700	\$ (2,500,000)	\$ (6,439,100)	\$577,985,600	\$ (2,657,100)	\$-	\$575,328,500	\$ 23,000	\$-	\$575,351,500	\$ 2,325,000	\$-	\$577,676,500
Revenue Requirements Operations & Maintenance Expense													
6 Regional System Wholesale Expenses	\$181,299,800	\$-		\$181,299,800	\$-	\$-		\$ 10,608,800	\$-	\$191,908,600	\$-	\$ -	\$191,908,600
7 Local System Expenses	69,233,000	-	(7,932,000)	61,301,000	-	-	61,301,000	-	-	61,301,000	-	-	61,301,000
8 GRS Pension allocable to Regional System	10,824,000	-	-	10,824,000	-	-	10,824,000	-	-	10,824,000	-	-	10,824,000
9 GRS Pension allocable to Local System	2,856,000	-	-	2,856,000	-	-	2,856,000	-	-	2,856,000	-	-	2,856,000
10 Total Operations & Maintenance													
Expense	264,212,800	-	(7,932,000)	256,280,800	-	-	256,280,800	10,608,800	-	266,889,600	-	-	266,889,600
11 Net Revenues after Operations & Maintenance Expense	\$322,711,900	\$ (2,500,000)	\$ 1,492,900	\$ 321,704,800	\$ (2,657,100)	s -	\$319,047,700	\$ (10,585,800)	s -	\$ 308,461,900	\$ 2,325,000	\$-	\$310,786,900
Debt Service by Lien													
12 Senior Lien Bonds	\$133,195,700	\$ (2,375,000)	\$ -	\$130,820,700	\$ -	\$-	\$130,820,700	\$ -	\$-	\$130,820,700	\$ -	\$ -	\$130,820,700
13 Second Lien Bonds	51,893,000	-	-	51,893,000	-	-	51,893,000	-	-	51,893,000	-	-	51,893,000
14 SRF Junior Lien Bonds	53,921,600	150,000	-	54,071,600	-	-	54,071,600	-	-	54,071,600	-	-	54,071,600
15 Total Debt Service	\$239,010,300	\$ (2,225,000)	\$ -	\$236,785,300	\$-	\$ -	\$236,785,300	\$-	\$-	\$236,785,300	\$ -	\$-	\$236,785,300
Debt Service Coverage													
16 Senior Lien Bonds (11)/(12)	2.42	(0.02)	0.01	2.46	(0.02)	0.00	2.44	(0.08)	0.00	2.36	0.02	0.00	2.38
17 Second Lien Bonds (11) / [(12)+(13)]	1.74	(0.01)	0.01	1.76	(0.01)	0.00	1.75	(0.06)	0.00	1.69	0.01	0.00	1.70
18 SRF Junior Lien Bonds (11) / (15)	1.35	(0.01)	0.01	1.36	(0.01)	0.00	1.35	(0.04)	0.00	1.30	0.01	0.00	1.31

* Rows highlighted in light grey in the above table are designed to align with the DWSD Budget.

** Total Debt Service, highlighted in dark grey (Row 15) in the above table, is adopted by the GLWA Board.



Appropriation Level - Debt Ser	vice – Sewer System Debt Service Coverage Calculation Budget Amendment
Explanation	
Total Debt Service	For purposes of Debt Service coverage, we look at the combined Regional and Local (DWSD) revenue less operations & maintenance (O&M) expense to determine net revenues to calculate the Debt Service Coverage. The Board adopts the Debt Service amount shown on line 15 of the Sewer System Debt Service Coverage Calculation table on the previous page. This is the amount necessary to pay the principal of and interest on all Regional Sewer System bonds and to restore any reserves therefore established in the Master Bond Ordinance.



Table 3A - Appropriation Level - Improvement & Extension Fund - Water System

		FY 2022 Board	1	Total st Quarter	2	Total nd Quarter	3	Total rd Quarter	4	Total th Quarter		FY 2022		FY 2022
Water		Adopted	FY 2022		FY 2022		FY 2022		FY 2022		Amended		Activity Thru	
Improvement & Extension Fund		Budget	Ar	mendments	A	mendments	Ar	nendments	A	nendments		Budget		04/30/2022
Revenues														
Water System Transfers In from General Operating	\$	28,093,900	\$	(1,540,000)	\$	492,500	\$	491,000	\$	(3,797,600)	\$	23,739,800	\$	22,549,900
Earnings on Investments (b)		-		715,000		614,000		-		-		1,329,000		1,280,100
Net Use of Reserves (a)		97,220,700		68,800		(3,523,300)		32,433,400		484,000		126,683,600		-
Total Revenues	\$ ´	125,314,600	\$	(756,200)	\$	(2,416,800)	\$	32,924,400	\$	(3,313,600)	\$	151,752,400	\$	23,830,000
Expenditures														
Water System Revenue Transfers Out (b)	\$	-	\$	715,000	\$	614,000	\$	-	\$	-	\$	1,329,000	\$	1,377,400
Capital Spending - Other		-		567,400		-		-		-		567,400		1,347,000
Capital Outlay		17,006,600		-		(3,030,800)		(3,914,500)		(2,840,600)		7,220,700		4,075,700
Revenue Financed Capital - Operating														
Transfer to Construction Fund		108,308,000		(2,038,600)		-		36,838,900		(473,000)		142,635,300		103,775,400
Total Expenditures	\$ ⁻	125,314,600	\$	(756,200)	\$	(2,416,800)	\$	32,924,400	\$	(3,313,600)	\$	151,752,400	\$	110,575,500
(a) Beginning Net Position											\$	207,475,000		
Net Use of Reserves											\$	(126,683,600)		
Projected Ending Net Position											\$	80,791,400		

(b) Note: As outlined in the Master Bond Ordinance, the investment earnings in the I&E Fund are transferred to the Receiving Fund. The impact is to reduce revenue required from charges when calculating the annual Revenue Requirement budget.



Appropriation Level – Improvement & Extension Fund – Water System Budget Amendment Explanation								
Revenues								
Transfers In from General Operating	The proposed budget amendment is to match the amount available for transfer from the FY 2022 revenue requirement based upon general operating fund performance. (see I&E Fund Transfer Pending line on the Appropriation Level-Revenue Requirement-Water System General Operating table).							
Earnings on Investments	Had not been originally budgeted as there is a corresponding transfer of earnings back to the general operating fund as allowed by the Master Bond Ordinance. The net effect on the I&E Fund is zero as the earnings are budgeted and accounted for in the operating fund to lower revenue requirement for charges. No budget amendment is required.							
Net Use (Source) of Reserves	This amount represents the net amount of revenues less expenses. A negative amount represents an increase in reserves from current year activity rather than a use of reserves.							
Expenditures								
Water System Revenue Transfers Out (Earnings on Investments)	Had not been originally budgeted as there is a corresponding transfer of earnings back to the general operating fund as allowed by the Master Bond Ordinance (so the net effect on the I&E Fund is zero). This line offsets Earnings on Investments and represents the transfer of earnings back to the general operating fund as allowed by the Master Bond Ordinance. Any variance between the two lines represents a timing difference. No budget amendment is required.							
Capital Spending - Other	No budget amendment is required. This line represents an adjustment to the projects in the Board adopted capital improvement plan (CIP) that do not meet the criteria for debt financing.							
Capital Outlay	The proposed budget amendment reflects the decrease in spending which is primarily driven by the change in project start dates and project scope.							



Appropriation Level - Improvement & Extension Fund - Water System Budget Amendment Explanation									
Revenue Financed Capital – Transfer	The proposed budget amendment reflects the funding that is anticipated to be needed for								
to Construction Fund	Capital Projects that will be completed in FY 2022 that rely on I&E funds rather than SRF								
	funds.								



Table 3B - Appropriation Level - Improvement & Extension Fund - Sewer System

	FY 2022 Board	1	Total st Quarter	21	Total nd Quarter	2	Total Brd Quarter	4	Total th Quarter		FY 2022		FY 2022
Sewer	Adopted		FY 2022		FY 2022		FY 2022		FY 2022		Amended	A	ctivity Thru
Improvement & Extension Fund	Budget	A	mendments	An	mendments	A	mendments	Ar	nendments		Budget		04/30/2022
Revenues													
Sewer System Transfers In from General Operating	\$ 34,616,900	\$	(275,000)	\$	(2,657,100)	\$	(10,585,800)	\$	2,325,000	\$	23,424,000	\$	28,196,600
Receipt of DWSD Shortfall Loan Interest	406,400		-		(261,500)		-		-		144,900		139,300
Earnings on Investments (b)	-		500,000		504,900		-		-		1,004,900		725,600
Net Use of Reserves (a)	28,487,800		18,182,800		4,299,400		11,517,200		(12,917,000)		49,570,200		-
Total Revenues	\$ 63,511,100	\$	18,407,800	\$	1,885,700	\$	931,400	\$	(10,592,000)	\$	74,144,000	\$	29,061,500
Expenditures													
Sewer System Revenue Transfers Out (b)	\$ -	\$	500,000	\$	504,900	\$	-	\$	-	\$	1,004,900	\$	717,500
Capital Spending - Other	-		722,200		-		-		-		722,200		4,208,100
Capital Outlay	15,965,100		-		1,380,800		(3,467,200)		(4,741,000)		9,137,700		4,288,600
Revenue Financed Capital - Operating Transfer to Construction Fund	47,546,000		17,185,600		-		4,398,600		(5,851,000)		63,279,200		41,725,300
Total Expenditures	\$ 63,511,100	\$	18,407,800	\$	1,885,700	\$	931,400	\$	(10,592,000)	\$	74,144,000	\$	50,939,500
(a) Beginning Net Position										\$	122,385,000		
Net Use of Reserves											(49,570,200)		
Projected Ending Net Position										\$	72,814,800		

(b) Note: As outlined in the Master Bond Ordinance, the investment earnings in the I&E Fund are transferred to the Receiving Fund. The impact is to reduce revenue required from charges when calculating the annual Revenue Requirement budget.



Appropriation Level – Improvement & Extension Fund – Sewer System Budget Amendment Explanations										
Revenues										
Transfers In from General Operating	The proposed budget amendment is to match the amount available for transfer from th									
	FY 2022 revenue requirement based upon general operating fund performance. (see I&E									
	Fund Transfer Pending line on the Appropriation Level-Revenue Requirement-Sewer									
	System General Operating table).									
Receipt of DWSD Shortfall Loan	No budget amendment is required. This represents the interest earnings on the Note									
Interest	Receivable for the FY 2018 DWSD Sewer System Shortfall to the payment schedule. This									
	note is scheduled to be paid off by June 30, 2022.									
Earnings on Investments	Had not been originally budgeted as there is a corresponding transfer of earnings back									
	to the general operating fund as allowed by the Master Bond Ordinance. The net effect									
	on the I&E Fund is zero as the earnings are budgeted and accounted for in the operating									
	fund to lower revenue requirement for charges. No budget amendment is required.									
Net Use (Source) of Reserves	This amount represents the net amount of revenues less expenditures. A negative amount									
	represents an increase in reserves from current year activity rather than a use of reserves.									
Expenditures										
Sewer System Revenue Transfers	Had not been originally budgeted as there is a corresponding transfer of earnings back									
Out (Earnings on Investments)	to the general operating fund as allowed by the Master Bond Ordinance (so the net effect									
	on the I&E Fund is zero). This line offsets Earnings on Investments and represents the									
	transfer of earnings back to the general operating fund as allowed by the Master Bond									
	Ordinance. Any variance between the two lines represents a timing difference. No budget									
	amendment is required.									
Capital Spending – Other	No budget amendment is required. This line represents an adjustment to the projects in									
	the Board adopted capital improvement plan (CIP) that do not meet the criteria for debt									
	financing.									



Appropriation Level – Improvement & Extension Fund – Sewer System Budget Amendment Explanations									
Capital Outlay	The proposed budget amendment reflects the decrease in spending which is primarily								
	driven by the change in project start dates and project scope.								
Revenue Financed Capital – Transfer	The proposed budget amendment reflects the funding that is anticipated to be needed for								
to Construction Fund	Capital Projects that will be completed in FY 2022 that rely on I&E funds rather than SRF								
	funds.								



Table 4A - Appropriation Level - Construction Fund - Water System

	FY 2022		Total	Total		Total		Total		
Water	Board Adopted		t Quarter FY 2022	2nd Quarter FY 2022		3rd Quarter FY 2022	4	th Quarter FY 2022	FY 2022 Amended	FY 2022 Activity Thru
Construction Fund	Budget		endments	Amendments	A	mendments	Ar	nendments	Budget	04/30/2022
Revenues									 	
Transfer from Improvement & Extension Fund	\$ 108,308,000	\$	(2,038,600)	\$-	\$	36,838,900	\$	(473,000)	\$ 142,635,300	\$ 103,775,400
Bond Proceeds	-		-	-		-		-	-	-
Bond Fund Earnings on Investments	-		-	-		-		-	-	-
Grant Revenues (SRF Loans)	26,100,000		10,427,000	-		-		(9,527,000)	27,000,000	23,565,700
Net Use of Reserves (a)	-		772,700	-		(772,700)		-	-	-
Total Revenues	\$ 134,408,000	\$	9,161,100	\$-	\$	36,066,200	\$	(10,000,000)	\$ 169,635,300	\$ 127,341,100
Expenditures										
Capital Improvement Plan (b)	\$ 179,210,000	\$	(567,400)	\$-	\$	992,700	\$	(992,700)	\$ 178,642,600	\$ 131,338,600
Capital Spend Rate Adjustment	(44,802,000))	9,728,500	-		35,073,500		(9,007,300)	(9,007,300)	-
Total Expenditures (b)	\$ 134,408,000	\$	9,161,100	\$-	\$	36,066,200	\$	(10,000,000)	\$ 169,635,300	\$ 131,338,600
(a) Beginning Net Position					-				\$ 12,438,000	
Net Use of Reserves									-	
Projected Ending Net Position									\$ 12,438,000	
(b) Plus Direct I&E Projects	-				-				567,400	
Total CIP Expenditures	134,408,000								170,202,700	
Total Published Capital Improvement Plan	179,210,000								179,210,000	
Capital Spending Ratio	75.0%								95.0%	



Appropriation Level – Construction Fund – Water System Budget Amendment Explanations							
Revenues							
Transfers from Improvement	The proposed budget amendment is to match the amount available for transfer from the FY 2022						
& Extension Fund	Improvement & Extension Fund (see Revenue Financed Capital-Operating Transfer to						
	Construction Fund line on the Appropriation Level-Improvement & Extension Fund-Water						
	System table). The amount is primarily based on the increase in the Capital spend rate.						
Bond Proceeds	No budget amendment is required.						
Earnings on Investments	No budget amendment is required.						
Grant Revenues	State Revolving Fund (SRF) loan disbursements are on a reimbursement basis. The amount and						
(State Revolving Fund Loans)	timing of revenues fluctuates with project expenditures incurred. The proposed amendment						
	reflects the timing of project design and construction activity that shifts SRF loan closings into						
	FY 2023. Details related to the SRF projects are presented in the quarterly debt report. The most						
	recent quarterly debt report is presented in the March 2022 Audit Committee binder which						
	provides details related to the SRF funding and associated projects.						
Net Use (Source) of Reserves	No budget amendment is required. This amount represents the net amount of revenues less						
	expenditures. A "use of reserves" indicates a spend down of prior year reserves. For FY 2022						
	there are no reserves as all bond proceeds were expended during the previous year. All Capital						
	Projects are being funded either through SRF loans or I&E funds.						
Expenditures							
Capital Improvement Plan	This line represents an adjustment to the projects in the Board adopted capital improvement						
	plan (CIP) that do not meet the criteria for debt financing. This amount is reflected on the						
	'Capital Spending – Other' line on the Water Improvement & Extension Fund table.						



Appropriation Level – Construction Fund – Water System Budget Amendment Explanations										
Capital Spend Rate	The proposed budget amendment represents the decrease in the projected Capital Spend Rate									
Assumption Adjustment	for the Water CIP from 100.6% (third quarter budget amendment projection) to 95.0% (based									
	on review of actual spend for FY 2022). 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. Amendments									
	to the spend rate assumption are made to align the projected financial use of resources with									
	revised capital improvement plan spending forecasts. The Capital Spend Rate for the Water CIP									
	was amended for the first quarter from 75.0% (projection at time of the FY 2022 budget									
	adoption) to 80.4%. No amendment was made for the second quarter. The third quarter									
	amendment increased the Capital Spend Rate to 100.6%. The most recent quarterly construction									
	work-in-progress (CWIP) report is presented in the <u>April 2022 Audit Committee binder</u> .									



Table 4B - Appropriation Level – Construction Fund – Sewer System

Sewer	FY 2022 Board Adopted	Total 1st Quarter FY 2022	Total 2nd Quarter FY 2022	Total 3rd Quarter FY 2022	Total 4th Quarter FY 2022	FY 2022 Amended	FY 2022 Activity Thru
Construction Fund	Budget	Amendments	Amendments	Amendments	Amendments	Budget	04/30/2022
Revenues							
Transfer from Improvement & Extension Fund	\$ 47,546,000	\$ 17,185,600	\$ -	\$ 4,398,600	\$ (5,851,000)	\$ 63,279,200	\$ 41,725,300
Bond Proceeds	-	-	-	-	-	-	-
Bond Fund Earnings on Investments	-	-	-	-	-	-	-
Grant Revenues (SRF Loans)	31,992,000	(17,843,000)	-	-	(4,149,000)	10,000,000	8,076,100
Net Use of Reserves (a)	-	2,008,200	1,100,000	(3,108,200)	-	-	-
Total Revenues	\$ 79,538,000	\$ 1,350,800	\$ 1,100,000	\$ 1,290,400	\$ (10,000,000)	\$ 73,279,200	\$ 49,801,400
Expenditures							
Capital Improvement Plan (b)	\$ 106,050,000	\$ (722,200)	\$ -	\$-	\$ -	\$ 105,327,800	\$ 50,227,500
Capital Spend Rate Adjustment	(26,512,000)	2,073,000	1,100,000	1,290,400	(10,000,000)	(32,048,600)	-
Total Expenditures (b)	\$ 79,538,000	\$ 1,350,800	\$ 1,100,000	\$ 1,290,400	\$ (10,000,000)	\$ 73,279,200	\$ 50,227,500
(a) Beginning Net Position						\$ 11,473,000	
Net Use of Reserves						-	
Projected Ending Net Position						\$ 11,473,000	
(b) Plus Direct I&E Projects	-					722,200	
Total CIP Expenditures	79,538,000					74,001,400	
Total Published Capital Improvement Plan	106,050,000					106,050,000	
Capital Spending Ratio	75.0%					69.8%	



Appropriation Level – Construction Fund – Sewer System Budget Amendment Explanations			
Revenues			
Transfers from Improvement &	The proposed budget amendment is to match the amount available for transfer from the		
Extension Fund	FY 2022 Improvement & Extension Fund (see Revenue Financed Capital-Operating		
	Transfer to Construction Fund line on the Appropriation Level-Improvement & Extension		
	Fund-Water System table). The amount is primarily based on the increase in the Capital		
	spend rate.		
Bond Proceeds	No budget amendment is required.		
Earnings on Investments	No budget amendment is required.		
Grant Revenues	State Revolving Fund (SRF) loan disbursements are on a reimbursement basis. The		
(State Revolving Fund Loans)	amount and timing of funds fluctuates with project expenditures incurred. The proposed		
	amendment reflects the timing of project design and construction activity that shifts SRF		
	loan closings into FY 2023. Details related to the SRF projects are presented in the		
	quarterly debt report. The most recent quarterly debt report is presented in the <u>March</u>		
	2022 Audit Committee binder which provides details related to the SRF funding and		
	associated projects.		
Net Use (Source) of Reserves	No budget amendment is required. This amount represents the net amount of revenues		
	less expenditures. A "use of reserves" indicates a spend down of prior year reserves. For		
	FY 2022 there are no reserves as all bond proceeds were expended during the previous		
	year. All Capital Projects are being funded either through SRF loans or I&E funds.		
Expenditures			
Capital Improvement Plan	No budget amendment is required. This line represents an adjustment to the projects in		
	the Board adopted capital improvement plan (CIP) that do not meet the criteria for debt		
	financing. This amount is reflected on the 'Capital Spending – Other' line on the Water		
	Improvement & Extension Fund table.		



Appropriation Level – Constructio	n Fund – Sewer System Budget Amendment Explanations
Capital Spend Rate Adjustment	The proposed budget amendment represents the decrease in the projected Capital Spend
	Rate for the Sewer CIP from 79.2% (third quarter budget amendment projection) to
	69.8% (based on review of actual spend for FY 2022). 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. Amendments to the spend rate
	assumption are made to align the projected financial use of resources with revised capital
	improvement plan spending forecasts. The Capital Spend Rate for the Sewer CIP was
	amended for the first quarter from 75.0% (projection at time of the FY 2022 budget
	adoption) to 77.0%. The Capital Spend Rate was further adjusted to 78.0% for the second
	quarter and 79.2% for the third quarter. The most recent quarterly construction work-
	in-progress (CWIP) report is presented in the <u>April 2022 Audit Committee binder</u> .



Supplemental Information -

Enterprise-wide Operations & Maintenance Department and Account Level Amendments

The summary of budget amendments for operations & maintenance (department and account level amendments) are organized by the four core groups. The FY 2022 fourth quarter budget amendments result in a net zero change to all categories: A - Water System Operations, B - Sewer System Operations, C – Centralized Services, and D – Administrative & Other Services.

GLWA's internal budget directive is for each area, group, and team to manage their needs to an amount within the initial budget. To the extent that is not possible, an amendment is made from the unallocated reserve. If savings are incurred, or an area appears to not require as much funding as established in the original budget, that department's budgeted expenses are reduced, and the unallocated reserve is increased. In administering the budget, there are several refinements to departments and account categories. An explanation of key items is included in the table in Addendum 1.

Items greater than \$500,000 include the following (see the table on the following page).

- A Water System Operations
 - Chemicals Increase of \$0.7 million Adjustment for increase in chemical costs and estimated usage in FY 2022.
 - Personnel Decrease of \$0.5 million Adjustment of salaries & wages due to timing of filling positions.
 - Utilities Increase of \$1.2 million Adjustment of electrical and gas usage based on review of historical spend and projected FY 2022 utilization.
 - Unallocated Reserve Decrease of \$1.4 million Utilized to offset the increases primarily in chemicals and utilities.
- C Centralized Services Contractual Services Increase of \$0.7 million
 - Asset Master Plan (increase of \$0.3 million) is due to work performed in FY 2022, by CH2M Hill Engineers, which was budgeted in FY 2023. The change is due to project timing, not an increase to the scope or amount of the contract.
 - Linear System Integrity Project (LSIP) (increase of \$0.4 million) is due to further refinement of the budget based on the project timeline and scope (an adjustment was initially made during the 3rd quarter of FY 2022). This project was finalized after the FY 2022 budget had been developed.

Supplemental Information –

Enterprise-wide Operations & Maintenance Department and Account Level Amendments

The table below shows the adjustment per Expense Category for the four core groups.

Major Budget Categories and Expense Categories	Total 4th Quarter FY 2022 Amendments
A Water System Operations	-
Capital Program Allocation	482,400
Chemicals	746,800
Contractual Services	(430,800)
Personnel	(538,200)
Supplies & Other	(18,500)
Unallocated Reserve	(1,397,000)
Utilities	1,155,300
B Wastewater System Operations	-
Contractual Services	1,500
Supplies & Other	15,000
Utilities	(16,500)
C Centralized Services	-
Contractual Services	745,800
Personnel	(465,500)
Supplies & Other	1,700
Unallocated Reserve	(282,000)
D Administrative & Other Services	-
Contractual Services	343,700
Personnel	(41,400)
Supplies & Other	(60,600)
Unallocated Reserve	(241,700)
Grand Total	-

Supplemental Information Enterprise-wide Operations & Maintenance Department and Account Level Amendments

	Total	
	4th Quarter FY 2022	
Departmental and Account Level Amendments		Explanation of Key Items
A Water System Operations	-	
Adams Road Pumping Station Supplies & Other	4,000 4,000	
COO - Water Operations & Field Services	342,800	
Contractual Services	(5,000)	
Personnel	132,400	
Supplies & Other Haggerty Road Pumping Station	215,400 12,000	
Supplies & Other	10,000	
Utilities	2,000	
Imlay Pumping Station	(20,000)	
Supplies & Other	(20,000) 142,000	
Joy Road Pumping Station Utilities	142,000	
Lake Huron Water Plant	438,800	
Chemicals	558,200	Adjustment for increase in chemical costs and estimated usage in FY 2022.
Contractual Services	(182,500)	
Personnel Supplies & Other	(73,900) 98,700	
Utilities	38,300	
Michigan Ave Pumping Station	(5,000)	
Supplies & Other	(5,000)	
North Service Center Pumping Station	(10,000)	
Supplies & Other	(10,000)	
Northeast Water Plant Capital Program Allocation	352,200 7,000	
Chemicals	(283,300)	
Contractual Services		The expected timeline (start and end dates) and work locations can change for contracts such as GDI Janitorial
		Services, Motor City Electric (switchgear maintenance), Mobile Dredging (alum sludge hauling & removal), and
		Arcadis of Michigan, LLC (Comprehensive Corrosion Control Optimization Study). Budget amendments are
Personnel	240,500	created to adjust for these changes.
Supplies & Other	51,800	
Utilities	(263,400)	
Northwest Pumping Station	4,000	
Supplies & Other	4,000	
Rochester Pumping Station Utilities	4,000	
Schoolcraft Pumping Station	4,000 4,000	
Utilities	4,000	
Southwest Water Plant	(160,300)	
Capital Program Allocation	21,500	
Chemicals	114,600	The sum that the cline (at strend and data a) and used be at increase the sum for sum to such as CDI be the stat
Contractual Services	(486,800)	The expected timeline (start and end dates) and work locations can change for contracts such as GDI Janitorial Services, Motor City Electric (switchgear maintenance), Mobile Dredging (alum sludge hauling & removal), and
		Arcadis of Michigan, LLC (Comprehensive Corrosion Control Optimization Study). Budget amendments are
		created to adjust for these changes.
Personnel	(27,600)	
Supplies & Other	(144,900)	
Utilities Springwells Water Plant	362,900 1,192,700	
Chemicals	307,400	
Contractual Services	192,100	
Personnel	(82,900)	
Supplies & Other	(33,800)	
Utilities	809,900	Budget added for electrical and gas usage based on review of historical spend and projected FY 2022 utilization.
Water Director	(71,400)	
Contractual Services	50,000	
Personnel	(95,900)	
Supplies & Other	(25,500)	
Water Engineering Capital Program Allocation	(63,700) 453,900	Actual hours reported by engineers working on capital projects is less than forecasted.
Contractual Services	(155,000)	איז
Personnel	(375,000)	
Supplies & Other	12,400	
Water Quality Chamicals	(9,900)	
Chemicals Contractual Services	19,500 (10,000)	
Personnel	(10,000)	
Supplies & Other	(19,400)	
Water System Operations Unallocated Reserves	(1,397,000)	
Unallocated Reserve	(1,397,000)	Unallocated Reserve was used for the refinement of various account categories within the Water Operations
Water Works Park	(724,200)	area, primarily Chemicals and Utilities.
Chemicals	(724,200) 30,400	
Contractual Services		The expected timeline (start and end dates) and work locations can change for contracts such as GDI Janitorial
		Services, Motor City Electric (switchgear maintenance), Mobile Dredging (alum sludge hauling & removal), and
		Arcadis of Michigan, LLC (Comprehensive Corrosion Control Optimization Study). Budget amendments are
		created to adjust for these changes.
Demonster		
Personnel Supplies & Other	(255,800) (116,200)	

Supplemental Information Enterprise-wide Operations & Maintenance Department and Account Level Amendments

	Total	
	4th Quarter	
Departmental and Account Level Amendments	FY 2022 Amendments	Explanation of Key Items
West Service Center Pumping Station	(29,000)	
Supplies & Other	(30,000)	
Utilities	1,000	
Wick Road Pumping Station	(8,000)	
Supplies & Other	(10,000)	
Utilities Ypsilanti Pumping Station	2,000 2,000	
Utilities	2,000	
3 Wastewater System Operations	-	
BDF, COF & Hauling	(40,000)	
Contractual Services	(40,000)	
Combined Sewer Overflow	(130,000)	
Contractual Services	(90,000)	
Personnel	(40,000)	
Conner Creek Combined Sewer Overflow	(375,000)	
Chemicals	(300,000)	
Contractual Services	40,000	
Supplies & Other	(115,000)	
Conner Pumping Station	(83,500)	
Utilities Fairview Pumping Station	(83,500) 3,000	
Utilities	3,000	
Freud Pumping Station	65,500	
Contractual Services	1,500	
Utilities	64,000	
Hubble Southfield CSO	140,000	
Contractual Services	90,000	
Supplies & Other	50,000	
Leib Combined Sewer Overflow	(65,000)	
Supplies & Other	(65,000)	
Northeast Pumping Station	3,000	
Supplies & Other	3,000	
Oakwood Pumping Station	12,000	
Supplies & Other	12,000	
Puritan Fenkell Combined Sewer Overflow	(10,000)	
Supplies & Other	(10,000) (35,000)	
Wastewater Dewatering Process Supplies & Other	(35,000)	
Wastewater Director	(50,000)	
Personnel	(50,000)	
Wastewater Incineration Process	(35,000)	
Supplies & Other	(35,000)	
Wastewater Primary Process	410,000	
Chemicals	100,000	
Personnel	90,000	
Supplies & Other	220,000	
Wastewater Process Control	(10,000)	
Supplies & Other	(10,000)	
Wastewater Secondary Process	200,000	
Chemicals	200,000	
Centralized Services Asset Management	- 644,000	
Contractual Services		Asset Master Plan (increase \$300,000) - Work performed by CH2M Hill Engineers in FY 2022 (budgeted in FY
contractual scivices	710,000	2023). This is project timing, not an increase in scope.
		LSIP (increase \$400,000) - Adjustment of budget for work performed in FY 2022. Change to project timing and
		scope, but not the cost of the overall project.
Personnel	(66,000)	
Capital Improvement Planning	84,000	
Contractual Services	150,000	
Personnel	(66,000)	
Centralized Services Unallocated Reserves	(282,000)	
Unallocated Reserve	(282,000)	
Chief Planning Officer	13,200	
Personnel	13,200	
Energy, Research & Innovation	8,000	
Supplies & Other	8,000 108,000	
Facility Operations Contractual Services	100,000	
Personnel	2,000	
Supplies & Other	6,000	
Field Service Operations	(198,000)	
Contractual Services	(200,000)	
Supplies & Other	2,000	
Fleet Operations	2,000	
Supplies & Other	2,000	
Info Tech Business Productivity Systems	(200,000)	
Contractual Services	(200,700)	
Supplies & Other	700	
Info Tech Enterprise Asset Mgmt Systems	(600,000)	
Contractual Services	(400,000)	
Supplies & Other	(200,000)	

Supplemental Information Enterprise-wide Operations & Maintenance Department and Account Level Amendments

	Total 4th Quarter FY 2022	
Departmental and Account Level Amendments		Explanation of Key Items
Info Technology Infrastructure	800,000	
Contractual Services	800,000	Timing of Data Modernization project. Project costs higher in FY 2022 than budgeted (project scope has not changed). The majority of this increase is due to the VCDR (VMware Cloud Disaster Recovery) subscription which started in FY 2022 instead of FY 2023.
Info Technology Security & Risk	-	
Personnel	(75,000)	
Supplies & Other	75,000	
Office of the CIO	-	
Contractual Services	(33,500)	
Supplies & Other	33,500	
Systems Analytics	(246,000)	
Contractual Services	(80,000)	
Personnel	(166,000)	
Systems Operations Control	80,000	
Contractual Services	100,000	
Personnel	(94,500)	
Supplies & Other	74,500	
Systems Planning	(213,200)	
Contractual Services	(200,000)	
Personnel	(13,200)	
Administrative & Other Services	-	
Administrative Services Unallocated Reserves	(241,700)	
Unallocated Reserve	(241,700)	
Board of Directors	195,000	
Contractual Services	195,000	
CFO Services	14,100	
Contractual Services	17,100	
Supplies & Other	(3,000)	
Chief Administrative Officer	(100,000)	
Contractual Services	(100,000)	
Chief Financial Officer	35,600	
Contractual Services	35,600	
General Counsel	210,000	
Contractual Services	210,000	
OD Administration	125,000	
Contractual Services	125,000	
OD Talent Management	(175,000)	
Contractual Services	(176,000)	
Supplies & Other	1,000	
Procurement Director	-	
Contractual Services	40,000	
Personnel	(41,400)	
Supplies & Other	1,400	
Public Affairs	(60,000)	
Supplies & Other	(60,000)	
Treasury	(3,000)	
Contractual Services	(3,000)	
irand Total	(3,000)	

Totals may be off due to rounding



Supplemental Information -

Enterprise-wide Operations & Maintenance Account Type and Department Level Amendments

The table in Addendum 2 summarizes the FY 2022 fourth quarter budget amendments for operations & maintenance by the major expense categories (account type). An explanation of key items is included in the table in Addendum 2.

Supplemental Information Enterprise-wide Operations & Maintenance Account Type and Department Level Amendments

Advances Advances Construct Composition of Logistic Construction of Key James Expansion of Key James Construct Mark Plant 7,200 Construct Construct Construct (10,200 Construct Mark Plant 2,200 Construct Construct Construct (10,200 Schement Mark Plant 2,200 Construct Construct Construct (10,200 Schement Mark Plant 2,200 Variable Mark Plant 1,200 Constre Construct Plant			
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Labe Hour Water Flort For Hour Water Part For Hour	Conner Creek Combined Sewer Overflow	(300.000)	
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bord of Directors Capital Improvement Planning 15,000 CrOservices CrOservices 17,100 Crohef Administrative Offer 10,000 Comment Sever Overflow 10,000 Comment Convertions & Heid Services 10,000 Info Tech Interget Controls 10,000 Info Tech Interget Controls 10,000 Info Tech Interget Setten 20,000 Info Tech Subject	BDF, COF & Hauling	(40,000)	
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Southwest Water Plant(27,600)Springwells Water Plant(82,900)			
Springwells Water Plant (82,900)			
Systems Analytics (166,000)			
System Subgrations Control (94,500)			
Systems Planning (13,200)			
Wastewater Director (50,000)			
Wastewater Primary Process 90,000			

Supplemental Information Enterprise-wide Operations & Maintenance Account Type and Department Level Amendments

Expanse Categories and Departmental Level	Total 4th Quarter	
Expense Categories and Departmental Level Amendments	FY 2022	Explanation of Key Items
Water Director	(95,900)	
Water Engineering	(375,000)	
Water Works Park	(255,800)	
Supplies & Other	(62,400)	
Adams Road Pumping Station	4,000	
CFO Services	(3,000)	
Conner Creek Combined Sewer Overflow	(115,000)	
COO - Water Operations & Field Services	215,400	
Energy, Research & Innovation	8,000	
Facility Operations	6,000	
Field Service Operations	2,000	
Fleet Operations	2,000	
Haggerty Road Pumping Station	10,000	
Hubble Southfield CSO	50,000	
Imlay Pumping Station	(20,000)	
Info Tech Business Productivity Systems	700	
Info Tech Enterprise Asset Mgmt Systems	(200,000)	
Info Technology Security & Risk	75,000	
Lake Huron Water Plant	98,700	
Leib Combined Sewer Overflow	(65,000)	
Michigan Ave Pumping Station	(5,000)	
North Service Center Pumping Station Northeast Pumping Station	(10,000) 3,000	
Northeast Water Plant	51,800	
Northwest Pumping Station	4,000	
Oakwood Pumping Station	12,000	
OD Talent Management	1,000	
Office of the CIO	33,500	
Procurement Director	1,400	
Public Affairs	(60,000)	
Puritan Fenkell Combined Sewer Overflow	(10,000)	
Southwest Water Plant	(144,900)	
Springwells Water Plant	(33,800)	
Systems Operations Control	74,500	
Wastewater Dewatering Process	(35,000)	
Wastewater Incineration Process	(35,000)	
Wastewater Primary Process	220,000	
Wastewater Process Control	(10,000)	
Water Director	(25,500)	
Water Engineering	12,400	
Water Quality	(19,400)	
Water Works Park	(116,200)	
West Service Center Pumping Station	(30,000)	
Wick Road Pumping Station	(10,000)	
Unallocated Reserve	(1,920,700)	
Administrative Services Unallocated Reserves Centralized Services Unallocated Reserves	(241,700) (282,000)	
Water System Operations Unallocated Reserves		Unallocated Reserve was used for the refinement of various account categories within the Water Operations
water system Operations Unallocated Reserves	(1,397,000)	area, primarily Chemicals and Utilities.
Utilities	1,138,800	
Conner Pumping Station	(83,500)	
Fairview Pumping Station	3,000	
Freud Pumping Station	64,000	
Haggerty Road Pumping Station	2,000	
Joy Road Pumping Station	142,000	
Lake Huron Water Plant	38,300	
Northeast Water Plant	(263,400)	
Rochester Pumping Station	4,000	
Schoolcraft Pumping Station Southwest Water Plant	4,000 362,900	
	809,900	
Springwells Water Plant	809,900	Budget added for electrical and gas usage based on review of historical spend and projected FY 2022 utilization.
Water Works Park	50,600	
West Service Center Pumping Station	1,000	
Wick Road Pumping Station	2,000	
Ypsilanti Pumping Station	2,000	
Grand Total Totals may be off due to rounding	-	

Totals may be off due to rounding