

***Highlights from Navid Mehram, P.E, Chief Operating Officer – Wastewater Operating Services***

**The Wastewater Operating Group pursues various strategic initiatives including:**

❖ **Safeguarding the publics' health and the environment**

Through compliance with the National Pollutant Discharge Elimination System (NPDES) permit and partnership with our co-permittee DWSD, and our member partners, and others.

❖ **Monitoring and improving the reliability of processing equipment**

By focusing on our maintenance program and optimizing our resources in removing defects and stabilizing our maintenance measures.

❖ **Continuing to build a reliable workforce**

In accordance with the Michigan Department of Environment, Great Lakes, and Energy (EGLE) staffing plan through the recruitment and retention of talented individuals and implementation of apprenticeship programs.

❖ **Optimizing the Biosolid Dryer Facility**

To enable the elimination of the Central Offloading process to minimize landfill disposal and maximize beneficial reuse.

❖ **Upgrading Instrumentation and Control Systems**

By establishing a calibration and replacement program for various instruments, including software updates and hardware to the wastewater controls system. The program will increase reliability in the Water Resource Recovery Facility (WRRF) and Combined Sewer Overflow (CSO) real time data to improve response time.

❖ **Continuing the efforts towards optimization of our operations through innovation**

By working with the Energy, Research and Innovation Group to explore opportunities to partner with universities to conduct research at the WRRF.

## Wastewater Operations Contracts

The Wastewater Operations budget contains several contracts for services, commodities, and maintenance to ensure system reliability, safeguard public health and the environment in compliance with our NPDES permit. The contracts presented in the table represent those current for the services listed. Expired contracts are not presented. Budgeted amounts beyond contract date are estimates based on past-experience in addition to future program plans.

These contracts would generally require a separate procurement process. It should be noted that several contracts are shared by multiple areas of GLWA. In the tables below are the key contracts for these services.

Waste Water Operations Group	Facilities Maintenance Services	Landfill Service For Lime Stabilized Dewatered Sludge	Hauling and Disposal of Bar Rack and Grit	Hauling of Biosolids	Scum Disposal and Hauling	Ferric Chloride	Gaseous Oxygen Service	Total
Prime Consultant	Lakeshore Global Corporation	Waste Management Of Michigan Inc	Waste Management Of Michigan Inc	Custom Ecology of Ohio Inc	Rickman Enterprise Group LLC	Kemira Water Solutions	Praxair Inc	
Contract #	CON-1901658	PO 16507	PO 10945	PO 9417	1803456	PO 9172	2920576	
Contract Amount	\$ 10,944,780	\$ 2,000,000	\$ 856,500	\$ 1,060,400	\$ 907,290	\$ 3,999,550	\$ 14,091,663	\$ 33,860,183
Contract End Date	01/19/22	03/31/25	12/13/2021	6/30/2021	6/30/2022	05/01/21	07/31/19	
Cost Center Name	Various	Central Off Loading & Hauling	Central Off Loading & Hauling	Central Off Loading & Hauling	Central Off Loading & Hauling	Wastewater Primary Processing	Wastewater Secondary Processing	
Pre-FY 2020 Spend	\$ -	\$ -	\$ 234,311	\$ 47,620	\$ -	\$ 1,837,980	\$ 10,126,881	\$ 12,246,792
FY 2020 Spend	2,032,948	127,608	514,986	95,329	217,380	2,010,306	2,647,972	7,646,529
FY 2021 Budget	6,927,071	290,000	591,000	88,000	282,000	1,731,400	3,195,400	13,104,871
<b>FY 2022 Requested</b>	<b>7,216,400</b>	<b>450,000</b>	<b>548,400</b>	<b>100,800</b>	<b>248,400</b>	<b>2,107,200</b>	<b>2,943,100</b>	<b>13,614,300</b>
FY 2023 Requested	7,284,000	458,500	554,400	103,200	253,200	2,212,600	2,943,100	13,809,000
FY 2024 Requested	7,352,600	468,000	559,900	105,300	258,300	2,212,600	2,943,100	13,899,800
FY 2025 Requested	7,422,200	477,000	559,900	107,400	263,500	2,212,600	2,943,100	13,985,700
FY 2026 Requested	7,492,800	487,000	565,500	109,500	268,800	2,212,600	2,943,100	14,079,300
<b>Total</b>	<b>\$ 45,728,019</b>	<b>\$ 2,758,108</b>	<b>\$ 4,128,397</b>	<b>\$ 757,149</b>	<b>\$ 1,791,580</b>	<b>\$ 16,537,286</b>	<b>\$ 30,685,753</b>	<b>\$ 102,386,292</b>

Waste Water Operations Group	Sodium Bisulfite	Sulfur Dioxide	Sodium Hypochlorite	Flocculant, Organic Polymer	Maintenance Service contract for Accusonic Flow Meters	Fire -Alarms, Sprinklers, Extinguishers- Maintenance & Repair	HVAC Services	Total
Prime Consultant	Sulco Chemicals Limited	PVS Technologies Inc	PVS Nolwood Chemical Inc	Polydyne Inc	HESCO Group Inc	Johnson Controls Fire Protection LP	TBD	
Contract #	PO 9857	PO 9172	08901	1802179	PO 12613	200284	1902548	
Contract Amount	\$ 1,336,152	\$ 3,003,000	\$ 3,134,080	\$ 7,875,000	\$ 2,204,531	\$ 1,659,587	TBD	\$ 19,212,350
Contract End Date	04/30/22	05/27/21	03/31/21	01/31/24	04/29/24	08/31/23	12/31/23	
Cost Center Name	Wastewater Secondary Processing	Wastewater Secondary Processing	CSO Facilities and Wastewater Secondary Processing	Wastewater Incineration	All CSO Facilities	Wastewater Operations & CSO Facilities	Wastewater Operations & CSO Facilities	
Pre-FY 2020 Spend	\$ 234,838	\$ 525,301	\$ 1,637,177	\$ 291,927	\$ -	\$ -	\$ -	\$ 2,689,243
FY 2020 Spend	169,093	477,671	1,434,770	1,032,273	116,360	-	-	3,230,167
FY 2021 Budget	415,200	465,000	1,484,500	871,700	347,800	65,000	2,206,669	5,855,869
<b>FY 2022 Requested</b>	<b>170,800</b>	<b>479,000</b>	<b>1,536,400</b>	<b>1,033,600</b>	<b>189,700</b>	<b>531,036</b>	<b>2,044,400</b>	<b>5,984,936</b>
FY 2023 Requested	170,800	488,500	1,574,900	1,033,600	197,000	532,336	2,063,400	6,060,536
FY 2024 Requested	211,300	488,500	1,574,900	1,033,600	233,100	535,136	2,101,000	6,177,536
FY 2025 Requested	211,300	488,500	1,574,900	1,085,300	233,300	540,500	2,138,400	6,272,200
FY 2026 Requested	211,300	488,500	1,574,900	1,137,000	233,500	546,000	2,177,100	6,368,300
<b>Total</b>	<b>\$ 1,794,631</b>	<b>\$ 3,900,972</b>	<b>\$ 12,392,447</b>	<b>\$ 7,519,000</b>	<b>\$ 1,550,760</b>	<b>\$ 2,750,008</b>	<b>\$ 12,730,969</b>	<b>\$ 42,638,787</b>

## Task Order Contracts

As a part of the delivery of services for Wastewater Operations three multi-vendor contacts have been executed. These task-oriented contracts are grouped into three key segments: rehabilitation (JOC), engineering (TOE) and control systems (TIC). Each segment contains multiple vendors who have the opportunity to compete for projects within their segment. The expenditure for any project, or task, is controlled by budget for the area for which that task is requested.

Below is a table for each of these three segments.

Task Order Contract Segment	Contract End Date	Number of Participating Vendors	Overall Value of the contract	Total Awarded Contracts	Pre-FY 2020 Spend	FY 2020 Spend
Job Order Maintenance Contract (JOC)	06/30/23	6	\$ 24,000,000	\$ 10,930,206	-	1,142,357
Task Order Engineering (TOE)	02/02/23	6	30,000,000	2,476,016	-	22,785
Task Instrumentation and Control (TIC)	09/30/25	5	7,620,000	-	-	-

## Organization

The GLWA Wastewater Operations Area consists of four teams.

- ❖ **Water Resource Recovery Facility (WRRF)**  
Processing plant for the treatment of sewage for the greater metropolitan area
- ❖ **Combined Sewer Overflow (CSO)**  
Facilities utilized to control flow volumes for protecting the system and the receiving waters during increased system demand such as during rainstorms or snow melt
- ❖ **Wastewater Laboratories**  
Monitoring of pollutants entering and exiting the GLWA sewage facilities
- ❖ **All Others (including)**
  - **Wastewater Engineering**  
Provide study, design, and construction administration services for improvements to the WRRF and CSO facilities
  - **Industrial Waste Control**  
Identification and monitoring of industrial users for pollutants
  - **Wastewater Systems Unallocated**  
Funds not apportioned for a specific purpose used for significant unexpected or unbudgeted expenditures

## Expense Categories

There are two major categories for Wastewater Operating Group. The expenses in the Operations and Maintenance Budget are listed below.

- ❖ Personnel Costs
- ❖ Contractual Services

As outlined in the strategic initiatives noted above, the Wastewater Operations Group is tasked with the handling and disposal of solids separated through the treatment process. The disposal of these materials make-up the majority of contractual services expenditures.

The Biosolids Dryer Facility (BDF) operated by the New England Fertilizer Company was commissioned in 2016. This facility has greatly reduced the volume of solid waste incinerated or sent to landfill by processing the product into a renewable resource (fertilizer). Over the past two years an estimated two thirds of the biological waste has been processed by the BDF. For FY 2022 the budget for biosolids hauling and the related landfill was reduced by \$335,500.

Reliability of processing equipment is of primary concern for GLWA. As part of this effort the Administration of the Wastewater Operating Group has continued to focus on reinforcing a proactive maintenance program.

## Biennial Budget Request

The biennial budget reflects a near net zero change in FY 2022 decreasing \$455,523 or 0.4%. Key factors that impact this change include the following.

- ❖ Staffing, as noted in the *Personnel Budget* section below increased by \$0.3 million or 0.6%. This increase is due to a combination of factors. (1) The staffing mix reflects continued focus on equipment maintenance and asset management. (2) Additional positions that have proven more difficult to fill were budgeted as transitional contractors (3) Use of actual salaries and an updated benefits calculation for FY 2022.
- ❖ The chemical budget was increased by \$1.0 million or 12.1% due to the renewal and forecast renewal of several bulk chemical contracts in the Primary and Secondary operational areas.
- ❖ Contract Services was decreased \$2.8 million or 10.5%. Significant contracts impacting this change include the following: A contract for regulatory assistance expired (\$0.9 million). As outlined above, additional skilled labor positions were moved to Transition Services (\$1.6 million). A program to enhance staff training has been added (\$1.0 million). Contract services in Process Control for skilled labor were moved to Information Technology (\$0.5 million) and equipment maintenance contract for instrumentation and controls was taken over by GLWA staff (\$0.5 million).
- ❖ Contribution to the unallocated reserve was increase by \$0.4 million or 9.7%. The unallocated reserve is set aside for unbudgeted expenditures needed in operations. An example of these unknown events would be the potential impact of historically high-water levels in Lake St Clair and the Detroit and Rouge Rivers on the wastewater system.

### Biennial Budget Request by Expense Category

Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2022 Dollar Variance	FY 2022 Percent Variance	FY 2023 Department Requested
2.0 Personnel	\$ 36,296,309	\$ 37,871,716	\$ 8,782,000	\$ 38,179,705	\$ 307,989	0.6%	\$ 39,416,874
3.1 Electric	12,340,881	12,538,000	2,966,200	12,618,400	80,400	0.6%	12,848,200
3.2 Gas	4,160,964	5,491,000	821,200	4,706,200	(784,800)	-14.3%	4,742,500
3.3 Sewage Service	1,539,128	1,417,500	381,100	1,452,393	34,893	2.5%	1,480,000
3.4 Water Service	3,110,431	3,880,100	654,200	3,131,300	(748,800)	-19.3%	3,164,500
4.1 Chemicals	8,672,404	8,365,940	2,258,600	9,381,700	1,015,760	12.1%	9,510,100
4.2 Supplies & Other	15,209,816	13,344,752	3,777,200	15,272,536	1,927,784	14.4%	14,907,776
4.3 Contractual Services	23,732,743	26,663,160	6,070,200	23,865,438	(2,797,722)	-10.5%	23,957,078
5.1 Capital Program Allocation	(1,183,397)	(1,325,784)	(252,400)	(1,260,555)	65,229	-4.9%	(1,279,908)
5.2 Shared Services	(482,422)	(157,400)	(39,400)	(160,400)	(3,000)	1.9%	(163,700)
6.0 Capital Outlay	-	-	67,900	-	-	n/a	-
7.0 Unallocated Reserve	-	4,603,856	-	5,050,600	446,744	9.7%	5,473,966
<b>Grand Total</b>	<b>\$ 103,396,859</b>	<b>\$ 112,692,839</b>	<b>\$ 25,486,800</b>	<b>\$ 112,237,316</b>	<b>\$ (455,523)</b>	<b>-0.4%</b>	<b>\$ 114,057,385</b>

### Biennial Budget Request by Team

Team	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2022 Dollar Variance	FY 2022 Percent Variance	FY 2023 Department Requested
Wastewater Administration	\$ 1,603,207	\$ 2,667,277	\$ 436,800	\$ 2,833,222	\$ 165,945	6.2%	\$ 2,343,443
Water Resource Recovery Facility	81,380,663	86,371,716	20,112,900	84,809,062	(1,562,654)	-1.8%	86,005,921
Wastewater Engineering	1,732,250	2,453,296	592,100	2,635,495	182,199	7.4%	2,701,938
Industrial Waste Control	2,373,773	2,493,776	639,800	2,398,319	(95,457)	-3.8%	2,439,898
Wastewater Laboratories	4,495,916	4,558,691	1,057,300	3,971,237	(587,454)	-12.9%	4,152,319
Combined Sewer Overflow	11,811,050	9,544,226	2,647,900	10,539,380	995,154	10.4%	10,939,900
Wastewater Operations Unallocated	-	4,603,856	-	5,050,600	446,744	-20.1%	5,473,966
<b>Grand Total</b>	<b>\$ 103,396,859</b>	<b>\$ 112,692,839</b>	<b>\$ 25,486,800</b>	<b>\$ 112,237,316</b>	<b>\$ (455,523)</b>	<b>-0.4%</b>	<b>\$ 114,057,385</b>

### Personnel Budget

Wastewater Operations Group personnel expense is largely comprised of wastewater operations and maintenance staffing of 440 positions. The staffing plan target is consistent with the agreed upon level with the Michigan Department of Environment, Great Lakes, and Energy. Included in the staffing plan are 8 workforce development positions for positions that have proven difficult to fill. This is an increase of five from the current fiscal year. These positions demonstrate GLWA's commitment to developing the talent necessary to accomplish its initiatives effectively.

The tables on the following page provide three alternate views of the staffing plan.

*Staffing Plan- Number of Positions* – The table below presents the number of positions in the plan. Each position has a value of one. The position count does not distinguish between a position that is filled 100% (2,080 hours per year), filled for a number of hours less than 2,080 per year, or one that is currently vacant.

### Staffing Plan

Team	Prior Year FY 2020 Staffing Plan	Current Year FY 2021 Staffing Plan	FY 2022 Staffing Plan	FY 2023 Staffing Plan	FY 2024 Staffing Plan	FY 2025 Staffing Plan	FY 2026 Staffing Plan
<b>Wastewater System Operations</b>	<b>440.00</b>	<b>443.00</b>	<b>448.00</b>	<b>448.00</b>	<b>448.00</b>	<b>448.00</b>	<b>448.00</b>
Wastewater Administration	14.00	14.00	15.00	15.00	15.00	15.00	15.00
Water Resource Recovery Facility	299.00	299.00	300.00	300.00	300.00	300.00	300.00
Wastewater Engineering	24.00	24.00	25.00	25.00	25.00	25.00	25.00
Wastewater Laboratories	38.00	40.00	41.00	41.00	41.00	41.00	41.00
Industrial Waste Control	29.00	29.00	29.00	29.00	29.00	29.00	29.00
Combined Sewer Overflow	36.00	37.00	38.00	38.00	38.00	38.00	38.00

*Full Time Equivalents* - The table below presents “full-time equivalent” (FTE) staffing. FTE is based on the number of hours that the position is filled, or budgeted, in a given year based upon a standard of 2,080 hours per year.

### *Full Time Equivalents*

Team	Prior Year FY 2020 FTEs	Current Year FY 2021 FTEs	FY 2022 FTEs	FY 2023 FTEs	FY 2024 FTEs	FY 2025 FTEs	FY 2026 FTEs
<b>Wastewater System Operations</b>	<b>432.25</b>	<b>436.75</b>	<b>431.25</b>	<b>447.75</b>	<b>447.75</b>	<b>447.75</b>	<b>447.75</b>
Wastewater Administration	14.00	14.00	15.00	15.00	15.00	15.00	15.00
Water Resource Recovery Facility	293.00	294.25	288.00	300.00	300.00	300.00	300.00
Wastewater Engineering	24.00	23.50	24.50	25.00	25.00	25.00	25.00
Wastewater Laboratories	38.00	40.00	39.75	41.00	41.00	41.00	41.00
Industrial Waste Control	29.00	28.50	28.25	29.00	29.00	29.00	29.00
Combined Sewer Overflow	34.25	36.50	35.75	37.75	37.75	37.75	37.75

*Personnel Budget* – The table below presents the Wastewater Operations Group personnel budget which consists of the following expense categories: Salaries & Wages, Salaries & Wages – Workforce Development, Overtime, Employee Benefits and Contractual Transition Services. The values are based on the *Full Time Equivalents* above using current pay levels. Wage and benefit adjustments are based on merit increases and are included in category 7.0 Unallocated Reserve as shown in the Five-Year Financial Plan below.

### *Personnel Budget*

Team	FY 2021 Adopted Budget	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
<b>Wastewater System Operations</b>	<b>\$ 37,871,716</b>	<b>\$ 38,179,705</b>	<b>\$ 39,416,874</b>	<b>\$ 39,575,074</b>	<b>\$ 39,733,274</b>	<b>\$ 39,891,474</b>
Wastewater Administration	1,609,446	1,588,019	1,594,982	1,601,945	1,608,909	1,615,872
Water Resource Recovery Facility	24,585,971	25,263,745	26,091,637	26,190,659	26,289,681	26,388,704
Wastewater Engineering	2,336,448	2,420,083	2,487,622	2,498,675	2,509,727	2,520,780
Industrial Waste Control	2,107,576	2,133,019	2,178,018	2,188,988	2,199,957	2,210,927
Wastewater Laboratories	3,765,038	3,518,287	3,645,919	3,662,860	3,679,802	3,696,744
Combined Sewer Overflow	3,467,236	3,256,551	3,418,696	3,431,947	3,445,198	3,458,449



## Five Year Financial Plan

### Five-Year Financial Plan by Expense Category

Expense Category	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2022 Dollar Variance	FY 2022 Percent Variance	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
2.1 Salaries & Wages	\$ 21,639,836	\$ 4,776,900	\$ 21,246,392	\$ (393,444)	-1.8%	\$ 22,029,455	\$ 22,029,455	\$ 22,029,455	\$ 22,029,455
2.2 Workforce									
Development	85,322	77,400	255,549	170,227	199.5%	255,549	255,549	255,549	255,549
2.3 Overtime	3,405,737	781,600	3,142,220	(263,517)	-7.7%	3,149,000	3,149,000	3,149,000	3,149,000
2.4 Employee Benefits	8,133,193	2,196,700	7,620,888	(512,305)	-6.3%	8,068,213	8,226,414	8,384,614	8,542,814
2.5 Transition Services	4,607,628	949,400	5,914,656	1,307,028	28.4%	5,914,656	5,914,656	5,914,656	5,914,656
3.1 Electric	12,538,000	2,966,200	12,618,400	80,400	0.6%	12,848,200	13,080,700	13,337,200	13,596,700
3.2 Gas	5,491,000	821,200	4,706,200	(784,800)	-14.3%	4,742,500	4,797,800	4,853,300	4,908,300
3.3 Sewage Service	1,417,500	381,100	1,452,393	34,893	2.5%	1,480,000	1,504,000	1,515,700	1,530,500
3.4 Water Service	3,880,100	654,200	3,131,300	(748,800)	-19.3%	3,164,500	3,221,200	3,274,800	3,331,100
4.1 Chemicals	8,365,940	2,258,600	9,381,700	1,015,760	12.1%	9,510,100	9,629,500	9,695,100	9,791,400
4.2 Supplies & Other	13,344,752	3,777,200	15,272,536	1,927,784	14.4%	14,907,776	13,873,716	13,809,510	14,021,350
4.3 Contractual Services	26,663,160	6,070,200	23,865,438	(2,797,722)	-10.5%	23,957,078	23,753,558	24,031,578	24,317,490
5.1 Capital Program									
Allocation	(1,325,784)	(252,400)	(1,260,555)	65,229	-4.9%	(1,279,908)	(1,285,488)	(1,291,067)	(1,296,647)
5.2 Shared Services	(157,400)	(39,400)	(160,400)	(3,000)	1.9%	(163,700)	(167,000)	(170,300)	(173,800)
6.0 Capital Outlay	-	67,900	-	-	n/a	-	-	-	-
7.0 Unallocated Reserve	4,603,856	-	5,050,600	446,744	9.7%	5,473,966	8,407,300	10,898,200	13,333,670
<b>Grand Total</b>	<b>\$ 112,692,839</b>	<b>\$ 25,486,800</b>	<b>\$ 112,237,316</b>	<b>\$ (455,523)</b>	<b>-0.4%</b>	<b>\$ 114,057,385</b>	<b>\$ 116,390,360</b>	<b>\$ 119,687,295</b>	<b>\$ 123,251,538</b>

### Five-Year Financial Plan by Team

Team	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2022 Dollar Variance	FY 2022 Percent Variance	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
Wastewater Administration	\$ 2,667,277	\$ 436,800	\$ 2,833,222	\$ 165,945	6.2%	\$ 2,343,443	\$ 1,852,565	\$ 1,859,486	\$ 1,771,607
Water Resource Recovery									
Facility	86,371,716	20,112,900	84,809,062	(1,562,654)	-1.8%	86,005,921	85,834,123	86,461,759	87,489,324
Industrial Waste Control	2,453,296	592,100	2,635,495	182,199	7.4%	2,701,938	2,721,481	2,741,124	2,761,367
Wastewater Engineering	2,493,776	639,800	2,398,319	(95,457)	-3.8%	2,439,898	2,451,988	2,640,247	2,849,547
Wastewater Laboratories	4,558,691	1,057,300	3,971,237	(587,454)	-12.9%	4,152,319	4,172,460	4,202,402	4,289,844
Combined Sewer Overflow	9,544,226	2,647,900	10,539,380	995,154	10.4%	10,939,900	10,950,443	10,884,077	10,756,180
Wastewater Operations									
Unallocated	4,603,856	-	5,050,600	446,744	9.7%	5,473,966	8,407,300	10,898,200	13,333,670
<b>Grand Total</b>	<b>\$ 112,692,839</b>	<b>\$ 25,486,800</b>	<b>\$ 112,237,316</b>	<b>\$ (455,523)</b>	<b>-0.4%</b>	<b>\$ 114,057,385</b>	<b>\$ 116,390,360</b>	<b>\$ 119,687,295</b>	<b>\$ 123,251,538</b>

## Wastewater Master Plan

As FY 2021 came to a close, the Comprehensive Regional Wastewater Master Plan (WWMP) effort was completed. The 40-year plan, unlike any other in the nation, is the result of unprecedented regional collaboration among 100 stakeholders, including GLWA's member partners, watershed advocacy groups, regulatory agencies and more. The WWMP gives the region a roadmap for the future and a plan that builds on the work already done – with a focus on water quality and a path that manages affordability through partnerships and collaboration. This five-year financial plan takes into consideration the elements of the WWMP that are called for in the first five years, including continuation of condition assessments to ensure our current assets are in good working order and preparation by operations and maintenance for the future capital projects that are identified in Phase 1 of the WWMP.



## Capital Outlay

Wastewater Operations Group capital outlay is funded by the Improvement & Extension (I&E) budget.

### *Five-Year Capital Outlay by Asset Category*

Asset Type	FY 2021 Adopted Budget	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2025 Department Requested
<b>Improvement &amp; Extension</b>	<b>\$ 10,921,050</b>	<b>\$ 7,215,800</b>	<b>\$ 9,416,700</b>	<b>\$ 4,489,900</b>	<b>\$ 4,210,900</b>	<b>\$ 5,151,540</b>
Building/Structures	1,000,000	357,500	362,800	368,100	373,500	379,000
Leasehold Improvements	250,000	880,000	500,000	500,000	-	-
Machinery & Equipment	5,973,050	5,178,300	8,253,900	3,621,800	3,815,400	4,572,540
Computers & IT	1,300,000	150,000	150,000	100,000	360,500	-
Controls & Communication	90,000	1,960,000	5,307,500	1,924,000	1,146,500	2,855,000
Flow Measuring & Meters	531,000	625,000	145,000	120,000	35,000	20,000
Furniture & Fixtures	-	-	-	-	2,000	7,000
Heavy Equipment & Misc	850,000	-	-	-	-	-
Laboratory	25,000	40,100	61,700	14,200	43,400	101,200
Pipes, Gates & Valves	292,500	261,500	275,000	249,500	281,000	252,500
Process Equipment/Treatment	312,000	441,000	572,000	353,700	572,500	464,840
Pumps & Motors	2,533,550	1,613,900	1,684,600	844,700	1,365,800	854,100
Tools, Shop & Warehouse	39,000	86,800	58,100	15,700	8,700	17,900
Site Improvements	50,000	-	-	-	-	-
Lighting	50,000	-	-	-	-	-
Vehicles	615,000	-	300,000	-	22,000	200,000
Heavy Truck	-	-	-	-	-	200,000
Light Truck	590,000	-	300,000	-	-	-
Utility Vehicle	25,000	-	-	-	22,000	-
Non-Capitalizable Improvement	3,033,000	800,000	-	-	-	-
<b>Grand Total</b>	<b>\$ 10,921,050</b>	<b>\$ 7,215,800</b>	<b>\$ 9,416,700</b>	<b>\$ 4,489,900</b>	<b>\$ 4,210,900</b>	<b>\$ 5,151,540</b>

### *Five-Year Capital Outlay by Funding Source*

Funding Source	FY 2021 Forecasted Budget	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2025 Department Requested
Improvement & Extension	\$ 10,921,050	\$ 7,215,800	\$ 9,416,700	\$ 4,489,900	\$ 4,210,900	\$ 5,151,540
<b>Grand Total</b>	<b>\$ 10,921,050</b>	<b>\$ 7,215,800</b>	<b>\$ 9,416,700</b>	<b>\$ 4,489,900</b>	<b>\$ 4,210,900</b>	<b>\$ 5,151,540</b>



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*Five-Year Capital Outlay by Team*

Team	FY 2021 Forecasted Budget	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
Water Resource Recovery Facility	6,073,000	4,356,300	7,735,400	3,431,400	2,266,500	4,200,900
Wastewater Engineering	-	-	-	-	-	-
Industrial Waste Control	25,000	-	25,000	-	27,500	7,000
Wastewater Laboratories	-	40,100	36,700	14,200	17,900	101,200
Combined Sewer Overflow	4,823,050	2,819,400	1,619,600	1,044,300	1,899,000	842,440
7 Mile CSO	5,250	131,000	35,000	68,000	756,400	8,000
Baby Creek CSO	307,000	302,000	364,800	269,000	274,000	281,100
Belle Isle CSO	-	-	-	-	-	-
Combined Sewer Overflow	3,033,000	800,000	-	-	-	-
Conner Creek CSO	325,000	515,000	440,500	324,700	489,700	397,500
Hubble Southfield CSO	110,000	200,000	260,000	110,000	110,000	90,000
Leib CSO	462,000	382,000	198,800	144,600	45,900	47,300
Oakwood CSO	150,000	95,000	120,000	95,000	95,000	-
Puritan Fenkell CSO	149,800	165,000	155,500	15,000	60,000	-
St Aubin CSO	281,000	229,400	45,000	18,000	68,000	18,540
<b>Grand Total</b>	<b>\$ 10,921,050</b>	<b>\$ 7,215,800</b>	<b>\$ 9,416,700</b>	<b>\$ 4,489,900</b>	<b>\$ 4,210,900</b>	<b>\$ 5,151,540</b>

**Line Item Budget and Financial Plan**

The five-year plan with a line item expense budget starts below. The expenses are listed in report order by cost center. Because many of GLWA's initiatives extend multiple years, this planning document provides the information to smooth out expenses over time and/or plan for annual fluctuations.

Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
892001 - Chief Operating Officer Wastewater	\$ 1,603,207	\$ 2,667,277	\$ 436,800	\$ 2,833,222	\$ 2,343,443	\$ 1,852,565	\$ 1,859,486	\$ 1,771,607
2.1 Salaries & Wages	1,200,545	1,168,128	287,700	1,237,034	1,237,034	1,237,034	1,237,034	1,237,034
2.3 Overtime	1,853	7,476	-	2,820	2,820	2,820	2,820	2,820
2.4 Benefits	328,968	330,882	81,500	348,165	355,128	362,091	369,055	376,018
2.5 Transition Services	64,688	102,960	-	-	-	-	-	-
4.2 Supplies and Other	21,614	61,000	53,100	170,900	171,300	171,600	171,700	172,000
Memberships, Licenses & Subscriptions	1,032	3,000	52,600	54,800	54,900	55,000	55,000	55,100
Mileage and Parking	886	5,000	-	1,600	1,700	1,800	1,800	1,800
Office Supplies	9,992	9,000	500	9,500	9,700	9,800	9,900	10,100
Training and Internal Meetings	4,706	30,000	-	75,000	75,000	75,000	75,000	75,000
Travel	4,998	14,000	-	30,000	30,000	30,000	30,000	30,000
4.3 Contractual Services	28,550	1,000,000	18,800	1,110,000	613,000	115,000	115,000	20,000
5.1 Capital Program allocation	(43,010)	(3,169)	(4,300)	(35,696)	(35,838)	(35,981)	(36,123)	(36,265)



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Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
<b>892201 - Wastewater Director</b>	<b>\$ 4,314,638</b>	<b>\$ 5,136,274</b>	<b>\$ 1,135,500</b>	<b>\$ 6,396,950</b>	<b>\$ 6,542,164</b>	<b>\$ 6,412,917</b>	<b>\$ 6,484,971</b>	<b>\$ 6,559,325</b>
2.1 Salaries & Wages	1,854,350	2,071,393	460,700	1,939,649	1,997,992	1,997,992	1,997,992	1,997,992
2.2 Salaries & Wages - Workforce Development	13,464	-	9,700	36,525	36,525	36,525	36,525	36,525
2.3 Overtime	462,191	431,139	109,000	463,000	462,250	462,250	462,250	462,250
2.4 Benefits	856,137	788,116	209,000	708,812	747,334	761,987	776,641	791,294
2.5 Transition Services	595,313	1,157,627	143,200	1,993,464	1,993,464	1,993,464	1,993,464	1,993,464
4.2 Supplies and Other	293,238	488,000	146,200	429,000	416,200	209,400	202,800	196,400
Capital Outlay less than \$5,000	49,896	45,000	3,600	236,000	230,000	30,000	30,000	20,000
Car Lease	79,201	185,000	4,500	30,000	20,000	10,000	-	-
Memberships, Licenses & Subscriptions	699	2,000	-	1,500	1,500	1,500	1,500	1,500
Mileage and Parking	18	-	-	-	-	-	-	-
Office Supplies	2,558	5,000	400	3,500	3,600	3,700	3,800	3,900
Repairs & Maintenance-Equipment	149,955	200,000	137,700	155,000	158,000	161,000	164,200	167,600
Training and Internal Meetings	9,771	40,000	-	-	-	-	-	-
Travel	-	8,000	-	-	-	-	-	-
Tuition Refund	1,140	3,000	-	3,000	3,100	3,200	3,300	3,400
<b>4.3 Contractual Services</b>	<b>239,944</b>	<b>200,000</b>	<b>57,700</b>	<b>826,500</b>	<b>888,400</b>	<b>951,300</b>	<b>1,015,300</b>	<b>1,081,400</b>
<b>892211 - Wastewater Engineering</b>	<b>\$ 1,732,250</b>	<b>\$ 2,453,296</b>	<b>\$ 592,100</b>	<b>\$ 2,635,495</b>	<b>\$ 2,701,938</b>	<b>\$ 2,721,481</b>	<b>\$ 2,741,124</b>	<b>\$ 2,761,367</b>
2.1 Salaries & Wages	1,382,754	1,622,999	382,600	1,711,533	1,755,730	1,755,730	1,755,730	1,755,730
2.3 Overtime	168,137	176,310	43,400	168,350	168,220	168,220	168,220	168,220
2.4 Benefits	502,075	537,139	119,100	540,200	563,672	574,725	585,777	596,829
2.5 Transition Services	-	-	17,000	-	-	-	-	-
4.2 Supplies and Other	44,499	61,592	12,000	44,000	43,000	43,600	43,600	44,100
Capital Outlay less than \$5,000	8,073	-	-	-	-	-	-	-
Memberships, Licenses & Subscriptions	3,723	6,482	3,500	5,000	5,000	5,000	5,000	5,000
Mileage and Parking	17,534	12,600	5,000	18,000	18,000	18,400	18,400	18,700
Office Supplies	8,180	18,170	2,400	10,000	9,000	9,200	9,200	9,400
Operating Supplies	5,584	9,000	1,100	9,000	9,000	9,000	9,000	9,000
Repairs & Maintenance-Equipment	-	100	-	-	-	-	-	-
Training and Internal Meetings	590	4,000	-	-	-	-	-	-
Travel	336	9,240	-	-	-	-	-	-
Tuition Refund	478	2,000	-	2,000	2,000	2,000	2,000	2,000
<b>4.3 Contractual Services</b>	<b>731,265</b>	<b>1,323,500</b>	<b>258,100</b>	<b>1,339,200</b>	<b>1,358,400</b>	<b>1,371,500</b>	<b>1,385,300</b>	<b>1,399,200</b>
<b>5.1 Capital Program allocation</b>	<b>(1,096,480)</b>	<b>(1,268,244)</b>	<b>(240,100)</b>	<b>(1,167,788)</b>	<b>(1,187,084)</b>	<b>(1,192,293)</b>	<b>(1,197,503)</b>	<b>(1,202,713)</b>
<b>892221 - Wastewater Operations</b>	<b>\$ 23,601,015</b>	<b>\$ 26,683,488</b>	<b>\$ 5,421,300</b>	<b>\$ 22,126,559</b>	<b>\$ 22,670,632</b>	<b>\$ 23,054,193</b>	<b>\$ 23,452,018</b>	<b>\$ 23,854,649</b>
2.1 Salaries & Wages	660,035	630,818	174,600	713,744	846,070	846,070	846,070	846,070
2.3 Overtime	196,233	186,093	48,800	202,690	202,220	202,220	202,220	202,220
2.4 Benefits	236,520	246,687	64,800	242,416	298,906	304,767	310,628	316,489
2.5 Transition Services	292,618	359,390	30,000	-	-	-	-	-
3.1 Electric	10,389,378	10,498,000	2,423,700	10,543,000	10,753,000	10,968,000	11,187,000	11,411,000
3.2 Gas	2,104,323	3,094,000	418,200	2,500,000	2,513,000	2,526,000	2,539,000	2,552,000
3.3 Sewage	532,691	494,000	104,200	497,593	508,000	518,000	528,000	539,000
3.4 Water	2,565,254	3,331,000	527,300	2,591,000	2,617,000	2,669,000	2,722,000	2,776,000
4.1 Chemicals	5,014	2,500	-	5,000	5,100	5,200	5,300	5,400
4.2 Supplies and Other	3,576,038	4,033,000	771,100	4,281,116	4,366,336	4,442,936	4,528,800	4,611,470
Capital Outlay less than \$5,000	18,898	45,000	4,700	10,000	13,000	10,000	10,000	13,100
Inspection and Permit Fees	227,646	250,000	7,100	250,000	255,000	260,000	266,000	272,000
Memberships, Licenses & Subscriptions	700	2,000	-	1,200	1,200	1,200	1,200	1,200
Mileage and Parking	353	-	100	-	-	-	-	-
Office Supplies	27,410	47,000	6,200	30,000	30,600	31,200	31,800	32,400
Operating Supplies	103,305	125,000	14,700	105,000	107,200	109,400	111,600	113,900
Operating Supplies-Janitorial	56,218	30,000	9,600	55,000	56,000	57,000	58,000	59,000
Repairs & Maintenance-Equipment	70,330	100,000	8,700	75,000	76,400	77,900	79,400	49,670
Repairs & Maintenance-Facilities	2,959,858	3,200,000	670,700	3,636,736	3,706,236	3,772,736	3,844,500	3,941,000
Supplies & Other - Covid19	316	-	2,200	-	-	-	-	-
Training and Internal Meetings	(325)	120,000	16,000	-	-	-	-	-
Travel	8,604	8,000	-	-	-	-	-	-
Tuition Refund	-	3,000	-	3,000	3,100	3,200	3,300	3,400
Uniforms, Laundry, Cleaning	102,726	103,000	21,500	115,180	117,600	120,300	123,000	125,800
Penalties	-	-	9,600	-	-	-	-	-
<b>4.3 Contractual Services</b>	<b>3,042,912</b>	<b>3,808,000</b>	<b>858,600</b>	<b>550,000</b>	<b>561,000</b>	<b>572,000</b>	<b>583,000</b>	<b>595,000</b>



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Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
892222 - Waster Process Control	\$ 3,165,295	\$ 5,229,650	\$ 871,500	\$ 4,540,724	\$ 4,102,104	\$ 4,112,623	\$ 4,015,212	\$ 4,111,452
2.1 Salaries & Wages	1,195,878	1,296,419	324,500	1,610,080	1,610,080	1,610,080	1,610,080	1,610,080
2.2 Salaries & Wages - Workforce Development	49,695	-	-	-	-	-	-	-
2.3 Overtime	110,182	123,038	27,400	110,200	110,200	110,200	110,200	110,200
2.4 Benefits	483,693	440,460	127,500	521,964	532,404	542,843	553,282	563,721
2.5 Transition Services	66,096	422,987	13,600	-	-	-	-	-
4.1 Chemicals	(189)	-	-	-	-	-	-	-
4.2 Supplies and Other	683,982	881,145	135,500	1,292,980	816,820	633,720	602,790	700,410
Capital Outlay less than \$5,000	80,313	4,700	100	60,000	14,000	15,000	17,000	18,000
Operating Supplies	9,547	7,070	200	10,780	10,780	10,990	11,100	11,220
Repairs & Maintenance-Equipment	269,604	134,600	-	636,200	387,640	139,010	140,410	141,810
Repairs & Maintenance-Hardware	213,696	692,575	78,200	414,000	382,000	403,220	389,680	433,580
Training and Internal Meetings	10,150	20,000	-	-	-	-	-	-
Tuition Refund	2,000	-	-	-	-	-	-	-
Repairs & Maintenance-Software	98,672	22,200	57,000	172,000	22,400	65,500	44,600	95,800
4.3 Contractual Services	764,798	2,127,200	258,400	1,068,300	1,096,700	1,281,180	1,205,560	1,195,040
5.2 Shared Services allocation	(188,839)	(61,600)	(15,400)	(62,800)	(64,100)	(65,400)	(66,700)	(68,000)
892223 - Wastewater Primary Processing	\$ 7,825,955	\$ 7,835,995	\$ 2,300,400	\$ 8,154,706	\$ 8,285,629	\$ 8,181,697	\$ 8,178,064	\$ 8,284,432
2.1 Salaries & Wages	1,975,951	2,237,967	462,300	2,120,137	2,171,067	2,171,067	2,171,067	2,171,067
2.2 Salaries & Wages - Workforce Development	85,786	67,642	10,100	-	-	-	-	-
2.3 Overtime	513,473	542,704	101,500	539,220	548,890	548,890	548,890	548,890
2.4 Benefits	1,165,553	972,179	284,200	834,519	870,442	887,510	904,577	921,645
2.5 Transition Services	507,983	449,104	168,800	822,631	822,631	822,631	822,631	822,631
4.1 Chemicals	2,010,665	1,731,400	463,900	2,107,200	2,212,600	2,212,600	2,212,600	2,212,600
4.2 Supplies and Other	1,137,253	1,675,000	823,300	1,300,000	1,220,300	1,090,600	1,061,100	1,141,600
Capital Outlay less than \$5,000	7,294	15,000	17,100	50,000	-	50,000	-	60,000
Operating Supplies	57,153	60,000	19,100	60,000	61,200	62,400	63,600	64,800
Repairs & Maintenance-Equipment	1,072,806	1,600,000	786,500	1,190,000	1,159,100	978,200	997,500	1,016,800
Tuition Refund	-	-	600	-	-	-	-	-
4.3 Contractual Services	429,291	160,000	(13,700)	431,000	439,700	448,400	457,200	466,000
892224 - Wastewater Secondary Processing	\$ 9,725,246	\$ 9,847,680	\$ 2,680,500	\$ 10,338,449	\$ 10,353,701	\$ 10,281,763	\$ 10,335,626	\$ 10,418,889
2.1 Salaries & Wages	2,017,113	2,065,769	545,400	2,119,674	2,119,674	2,119,674	2,119,674	2,119,674
2.2 Salaries & Wages - Workforce Development	36,210	-	19,300	72,925	72,925	72,925	72,925	72,925
2.3 Overtime	291,051	356,343	79,700	292,160	295,680	295,680	295,680	295,680
2.4 Benefits	914,588	785,847	257,100	792,867	808,999	824,862	840,724	856,587
2.5 Transition Services	653,112	673,022	188,500	750,123	750,123	750,123	750,123	750,123
4.1 Chemicals	4,251,530	4,401,700	1,143,700	4,801,700	4,821,600	4,908,100	4,920,200	4,961,700
4.2 Supplies and Other	985,158	1,365,000	310,100	1,315,000	1,285,900	1,106,800	1,127,900	1,149,000
Capital Outlay less than \$5,000	2,947	15,000	27,800	-	-	-	-	-
Operating Supplies	27,557	50,000	7,200	40,000	40,800	41,600	42,500	43,400
Repairs & Maintenance-Equipment	954,654	1,300,000	275,100	1,275,000	1,245,100	1,065,200	1,085,400	1,105,600
4.3 Contractual Services	576,484	200,000	136,700	194,000	198,800	203,600	208,400	213,200
892225 - Wastewater Dewatering Processing	\$ 6,760,483	\$ 6,176,397	\$ 1,558,400	\$ 6,436,966	\$ 6,592,269	\$ 6,427,096	\$ 6,456,622	\$ 6,556,249
2.1 Salaries & Wages	1,781,336	2,167,213	386,100	1,997,449	2,054,973	2,054,973	2,054,973	2,054,973
2.2 Salaries & Wages - Workforce Development	57,901	-	9,500	36,525	36,525	36,525	36,525	36,525
2.3 Overtime	307,782	373,845	79,000	307,800	303,630	303,630	303,630	303,630
2.4 Benefits	1,020,271	876,304	236,200	790,120	827,568	843,795	860,022	876,248
2.5 Transition Services	1,045,101	517,334	227,700	519,473	519,473	519,473	519,473	519,473
4.1 Chemicals	1,032,270	871,700	265,000	1,033,600	1,033,600	1,033,600	1,085,300	1,137,000
4.2 Supplies and Other	1,426,898	1,270,000	294,600	1,660,000	1,722,600	1,539,300	1,499,000	1,528,800
Capital Outlay less than \$5,000	12,480	20,000	600	-	83,000	70,100	-	-
Operating Supplies	50,595	100,000	10,400	60,000	61,200	62,400	63,600	64,800
Repairs & Maintenance-Equipment	1,362,251	1,150,000	283,600	1,600,000	1,578,400	1,406,800	1,435,400	1,464,000
Supplies & Other - Covid19	72	-	-	-	-	-	-	-
Tuition Refund	1,500	-	-	-	-	-	-	-
4.3 Contractual Services	88,925	100,000	60,300	92,000	93,900	95,800	97,700	99,600



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Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
<b>892226 - Wastewater Incineration Processing</b>	<b>\$ 4,476,441</b>	<b>\$ 5,167,809</b>	<b>\$ 1,282,800</b>	<b>\$ 6,173,836</b>	<b>\$ 6,407,501</b>	<b>\$ 6,220,526</b>	<b>\$ 6,283,252</b>	<b>\$ 6,316,049</b>
2.1 Salaries & Wages	1,738,614	2,191,178	388,600	1,841,147	1,990,767	1,990,767	1,990,767	1,990,767
2.2 Salaries & Wages - Workforce Development	126,134	-	9,600	36,525	36,525	36,525	36,525	36,525
2.3 Overtime	225,903	246,510	80,600	225,830	243,880	243,880	243,880	243,880
2.4 Benefits	962,651	863,346	215,300	724,394	801,990	817,715	833,440	849,166
2.5 Transition Services	545,146	301,475	144,500	1,127,412	1,127,412	1,127,412	1,127,412	1,127,412
4.1 Chemicals	38,896	15,300	20,000	45,000	45,000	45,000	45,000	47,300
4.2 Supplies and Other	756,890	1,150,000	344,300	1,846,160	1,832,760	1,628,260	1,671,460	1,678,800
Capital Outlay less than \$5,000	1,450	25,000	3,400	44,000	65,100	45,000	71,500	46,200
Operating Supplies	23,603	25,000	5,000	25,000	25,400	25,800	26,300	26,800
Repairs & Maintenance-Equipment	730,358	1,100,000	335,900	1,777,160	1,742,260	1,557,460	1,573,660	1,605,800
Tuition Refund	1,480	-	-	-	-	-	-	-
4.3 Contractual Services	82,208	400,000	79,900	327,368	329,168	330,968	334,768	342,200
<b>892227 - Bio-dryer Facility, Central</b>	<b>\$ 19,778,782</b>	<b>\$ 20,297,523</b>	<b>\$ 4,863,900</b>	<b>\$ 20,257,672</b>	<b>\$ 20,664,921</b>	<b>\$ 20,752,507</b>	<b>\$ 20,861,293</b>	<b>\$ 20,989,779</b>
Offload & Hauling	349,408	477,321	67,000	343,932	402,274	402,274	402,274	402,274
2.1 Salaries & Wages	86,709	70,406	13,900	87,440	83,070	83,070	83,070	83,070
2.3 Overtime	168,497	196,296	31,400	135,713	162,489	165,675	168,861	172,047
2.4 Benefits	143,774	-	11,700	203,188	203,188	203,188	203,188	203,188
2.5 Transition Services	1,118,139	1,065,000	284,400	1,120,000	1,131,200	1,142,500	1,176,800	1,212,100
3.1 Electric	1,868,395	2,187,000	398,000	2,000,000	2,020,000	2,060,000	2,101,000	2,143,000
3.2 Gas	345,209	350,000	85,400	350,400	357,600	361,200	361,200	364,800
3.3 Sewage	172,123	179,000	42,900	180,000	182,400	184,200	184,200	186,000
3.4 Water	15,526,529	15,772,500	3,929,200	15,837,000	16,122,700	16,150,400	16,180,700	16,223,300
4.3 Contractual Services	2,373,773	2,496,276	639,800	2,398,319	2,439,898	2,451,988	2,640,247	2,849,547
<b>892231 - Industrial Waste Control</b>	<b>\$ 2,373,773</b>	<b>\$ 2,496,276</b>	<b>\$ 639,800</b>	<b>\$ 2,398,319</b>	<b>\$ 2,439,898</b>	<b>\$ 2,451,988</b>	<b>\$ 2,640,247</b>	<b>\$ 2,849,547</b>
2.1 Salaries & Wages	1,552,520	1,541,885	397,700	1,571,317	1,595,626	1,595,626	1,595,626	1,595,626
2.3 Overtime	29,341	17,114	5,800	24,210	22,940	22,940	22,940	22,940
2.4 Benefits	666,040	530,510	171,400	537,492	559,452	570,422	581,391	592,361
2.5 Transition Services	-	18,068	-	-	-	-	-	-
4.2 Supplies and Other	72,922	205,000	32,500	148,300	139,880	133,200	138,040	147,870
Advertising	27,637	52,000	26,900	56,200	57,400	58,000	58,600	59,200
Capital Outlay less than \$5,000	8,191	48,000	-	18,900	8,680	-	4,040	12,070
Memberships, Licenses & Subscriptions	534	2,500	-	2,900	2,500	2,900	2,500	2,900
Mileage and Parking	-	800	-	1,000	1,000	1,000	1,000	1,000
Office Supplies	7,576	17,500	2,600	14,500	15,000	15,100	15,100	15,200
Operating Supplies	22,071	30,000	900	25,400	25,800	26,300	26,600	27,200
Operating Supplies-Janitorial	41	5,000	300	1,900	2,000	2,100	2,200	2,300
Postage	1,701	22,500	1,000	10,000	10,000	10,200	10,200	10,200
Repairs & Maintenance-Equipment	-	10,000	-	2,000	2,000	2,000	2,000	2,000
Training and Internal Meetings	1,055	9,000	-	7,500	7,500	7,600	7,700	7,700
Travel	984	1,200	-	4,000	4,000	4,000	4,000	4,000
Uniforms, Laundry, Cleaning	3,132	4,000	800	4,000	4,000	4,000	4,100	4,100
Printing	-	2,500	-	-	-	-	-	-
4.3 Contractual Services	52,950	183,700	32,400	117,000	122,000	129,800	302,250	490,750
<b>892235 - Wastewater Laboratories</b>	<b>\$ 4,495,916</b>	<b>\$ 4,558,691</b>	<b>\$ 1,057,300</b>	<b>\$ 3,971,237</b>	<b>\$ 4,152,319</b>	<b>\$ 4,172,460</b>	<b>\$ 4,202,402</b>	<b>\$ 4,289,844</b>
2.1 Salaries & Wages	2,418,090	2,439,658	556,900	2,489,506	2,583,319	2,583,319	2,583,319	2,583,319
2.3 Overtime	208,815	309,930	70,500	208,970	198,570	198,570	198,570	198,570
2.4 Benefits	911,424	847,150	219,500	819,811	864,030	880,971	897,913	914,855
2.5 Transition Services	-	168,300	-	-	-	-	-	-
4.1 Chemicals	135,244	167,340	24,400	131,200	134,200	135,500	137,200	137,900
4.2 Supplies and Other	636,191	433,583	153,700	170,200	155,200	154,700	164,100	239,500
Capital Outlay less than \$5,000	1,474	-	2,400	8,600	300	7,000	7,900	89,000
Car Lease	24,296	9,800	-	10,000	5,500	-	-	-
Memberships, Licenses & Subscriptions	285	1,500	-	6,500	1,500	1,500	7,500	1,500
Office Supplies	6,050	1,000	300	5,900	6,000	1,000	1,000	-
Operating Supplies	125,611	59,850	21,900	127,900	130,400	133,500	135,600	136,700
Rentals-Buildings	442,877	276,283	114,900	-	-	-	-	-
Repairs & Maintenance-Equipment	7,072	17,650	1,200	7,800	8,000	8,200	8,400	8,600
Repairs & Maintenance-Facilities	23,657	60,000	12,100	-	-	-	-	-
Training and Internal Meetings	805	4,000	-	-	-	-	-	-
Tuition Refund	789	-	100	-	-	-	-	-
Uniforms, Laundry, Cleaning	3,275	3,500	800	3,500	3,500	3,500	3,700	3,700
4.3 Contractual Services	186,152	192,730	32,300	151,550	217,000	219,400	221,300	215,700



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Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
<b>892270 - Combined Sewer Overflow</b>	\$ 4,469,763	\$ 4,677,415	\$ 950,800	\$ 4,512,160	\$ 4,769,760	\$ 4,743,743	\$ 4,790,557	\$ 4,835,380
2.1 Salaries & Wages	1,572,148	1,729,088	342,800	1,551,191	1,664,850	1,664,850	1,664,850	1,664,850
2.2 Salaries & Wages - Workforce Development	26,621	17,680	19,200	73,050	73,050	73,050	73,050	73,050
2.3 Overtime	509,519	564,829	122,000	509,530	506,630	506,630	506,630	506,630
2.4 Benefits	739,375	718,277	179,700	624,415	675,800	689,051	702,302	715,553
2.5 Transition Services	220,946	437,362	4,400	498,366	498,366	498,366	498,366	498,366
4.2 Supplies and Other	80,932	88,421	12,700	82,000	83,200	84,200	85,000	73,800
Car Lease	48,148	-	6,300	49,800	49,800	49,800	49,800	37,700
Inspection and Permit Fees	500	-	-	700	700	700	700	700
Memberships, Licenses & Subscriptions	361	500	100	500	500	500	500	500
Mileage and Parking	3,255	2,400	-	2,800	2,900	3,000	3,000	3,100
Office Supplies	4,720	-	-	4,100	4,100	4,100	4,100	4,200
Operating Supplies	1,986	71,500	300	2,000	2,100	2,100	2,200	2,200
Training and Internal Meetings	11,898	2,000	3,200	9,600	9,600	9,800	10,000	10,100
Travel	2,070	4,000	-	4,500	5,000	5,500	6,000	6,100
Tuition Refund	1,500	1,000	1,500	1,500	1,500	1,500	1,500	2,000
Uniforms, Laundry, Cleaning	6,494	7,021	1,300	7,000	7,000	7,200	7,200	7,200
4.3 Contractual Services	1,423,531	1,195,530	282,900	1,250,380	1,344,950	1,305,310	1,338,700	1,382,200
5.1 Capital Program allocation	(43,908)	(54,372)	(8,000)	(57,071)	(56,986)	(57,213)	(57,441)	(57,669)
5.2 Shared Services allocation	(59,401)	(19,400)	(4,900)	(19,700)	(20,100)	(20,500)	(20,900)	(21,400)
<b>892271 - Puritan Fenkell Combined Sewer Overflow</b>	\$ 373,686	\$ 301,199	\$ 58,900	\$ 306,500	\$ 313,750	\$ 317,300	\$ 318,800	\$ 322,000
3.1 Electric	51,344	46,000	10,200	52,000	52,200	52,500	52,500	52,500
3.2 Gas	17,196	21,000	900	20,000	21,000	21,000	21,000	21,000
3.3 Sewage	6,812	10,000	7,300	10,000	10,000	10,000	10,000	10,100
3.4 Water	7,501	9,100	4,500	10,000	10,000	10,000	10,000	10,100
4.1 Chemicals	8,846	12,700	-	9,800	9,800	10,000	10,000	10,000
4.2 Supplies and Other	241,386	202,399	30,400	159,800	165,250	168,000	169,100	171,300
Office Supplies	190	200	-	200	200	200	200	200
Operating Supplies	8,894	31,025	1,000	1,800	1,800	1,800	1,900	1,900
Repairs & Maintenance-Equipment	65,528	72,424	7,900	73,000	79,450	81,000	82,000	83,000
Repairs & Maintenance-Facilities	166,774	98,750	21,500	84,800	83,800	85,000	85,000	86,200
4.3 Contractual Services	40,600	-	5,600	44,900	45,500	45,800	46,200	47,000
<b>892272 - Seven Mile Combined Sewer Overflow</b>	\$ 118,050	\$ 152,104	\$ 52,800	\$ 164,170	\$ 168,750	\$ 171,350	\$ 173,360	\$ 175,270
3.1 Electric	776	42,000	9,400	26,000	26,500	27,000	27,000	27,000
3.2 Gas	11,621	12,000	500	12,000	12,000	12,000	12,500	12,500
3.3 Sewage	10,440	8,000	2,100	9,000	9,000	9,000	9,200	9,200
3.4 Water	7,398	42,000	2,000	12,000	13,600	13,600	13,600	14,000
4.1 Chemicals	-	7,800	-	1,900	1,900	2,000	2,000	2,000
4.2 Supplies and Other	73,128	40,304	36,400	59,970	61,650	63,250	63,860	64,870
Operating Supplies	660	11,100	-	1,800	1,800	1,800	1,800	1,800
Repairs & Maintenance-Equipment	20,437	16,704	8,000	42,550	43,900	45,150	45,400	46,050
Repairs & Maintenance-Facilities	52,030	12,500	28,400	15,620	15,950	16,300	16,660	17,020
4.3 Contractual Services	14,687	-	2,400	43,300	44,100	44,500	45,200	45,700
<b>892273 - Hubble Southfield Combined Sewer Overflow</b>	\$ 652,907	\$ 447,817	\$ 130,500	\$ 568,330	\$ 572,130	\$ 582,200	\$ 586,200	\$ 588,840
3.1 Electric	62,815	66,000	22,200	63,000	63,600	64,200	64,200	64,200
3.2 Gas	15,543	21,000	200	18,500	18,700	18,900	18,900	18,900
3.3 Sewage	1,555	2,000	(100)	2,000	2,000	2,000	2,000	2,000
3.4 Water	74,857	108,000	(3,700)	90,800	91,000	91,500	91,500	91,500
4.1 Chemicals	85,871	122,200	44,100	112,000	112,000	114,900	114,900	114,900
4.2 Supplies and Other	348,527	128,617	49,900	219,200	219,600	223,700	226,900	228,840
Capital Outlay less than \$5,000	21,428	-	-	-	-	-	-	-
Office Supplies	887	-	-	600	600	600	600	600
Operating Supplies	15,361	11,100	800	16,000	16,300	16,600	17,000	17,000
Repairs & Maintenance-Equipment	161,956	101,073	42,900	157,700	160,300	163,800	166,500	168,240
Repairs & Maintenance-Facilities	148,896	16,444	6,200	44,900	42,400	42,700	42,800	43,000
4.3 Contractual Services	63,738	-	17,900	62,830	65,230	67,000	67,800	68,500





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Cost Center & Expense Category	FY 2020 Actual	FY 2021 Adopted Budget	FY 2021 Activity as of 09.30.2020	FY 2022 Department Requested	FY 2023 Department Requested	FY 2024 Department Requested	FY 2025 Department Requested	FY 2026 Department Requested
<b>892274 - Leib Combined Sewer Overflow</b>	<b>\$ 535,420</b>	<b>\$ 152,089</b>	<b>\$ 166,700</b>	<b>\$ 305,800</b>	<b>\$ 310,800</b>	<b>\$ 356,900</b>	<b>\$ 359,500</b>	<b>\$ 362,200</b>
3.1 Electric	778	45,000	10,700	27,000	27,300	27,500	27,800	28,000
3.2 Gas	8,977	16,000	200	16,000	16,200	16,500	16,600	16,600
3.3 Sewage	9,461	3,000	2,000	9,000	9,000	9,200	9,200	9,200
3.4 Water	5,326	2,000	1,200	5,000	5,000	5,100	5,100	5,100
4.1 Chemicals	15,005	17,900	8,900	17,800	17,800	18,300	18,300	18,300
4.2 Supplies and Other	424,117	68,189	142,500	164,200	167,400	211,300	212,400	214,000
Capital Outlay less than \$5,000	2,946	-	-	-	-	-	-	-
Office Supplies	540	-	-	500	500	600	600	600
Operating Supplies	5,206	5,250	1,200	5,500	5,500	5,600	5,600	5,700
Repairs & Maintenance-Equipment	383,992	54,616	128,000	131,100	134,400	177,600	178,500	179,600
Repairs & Maintenance-Facilities	31,433	8,323	13,300	27,100	27,000	27,500	27,700	28,100
4.3 Contractual Services	71,758	-	1,200	66,800	68,100	69,000	70,100	71,000
<b>892275 - St Aubin Combined Sewer Overflow</b>	<b>\$ 295,142</b>	<b>\$ 140,303</b>	<b>\$ 67,900</b>	<b>\$ 278,950</b>	<b>\$ 201,050</b>	<b>\$ 204,700</b>	<b>\$ 206,900</b>	<b>\$ 209,400</b>
3.1 Electric	(3,001)	26,000	6,400	26,000	26,000	26,000	26,000	26,000
3.2 Gas	7,579	8,000	-	8,000	8,000	8,000	8,000	8,000
3.3 Sewage	1,537	2,500	300	2,300	2,400	2,500	2,500	2,600
3.4 Water	2,892	4,000	700	3,000	3,100	3,200	3,300	3,300
4.1 Chemicals	15,672	24,300	-	21,600	21,600	22,100	22,100	22,100
4.2 Supplies and Other	281,641	75,503	49,900	173,500	94,600	96,800	98,300	99,900
Capital Outlay less than \$5,000	3,668	-	-	-	-	-	-	-
Office Supplies	1,095	-	-	1,000	1,000	1,100	1,100	1,100
Operating Supplies	7,031	11,200	800	8,400	8,600	8,700	8,900	9,000
Repairs & Maintenance-Equipment	67,393	54,101	24,600	69,100	70,600	72,300	73,400	74,600
Repairs & Maintenance-Facilities	202,455	10,202	24,500	95,000	14,400	14,700	14,900	15,200
4.3 Contractual Services	(11,178)	-	10,600	44,550	45,350	46,100	46,700	47,500
<b>892276 - Conner Creek Combined Sewer Overflow</b>	<b>\$ 2,996,901</b>	<b>\$ 1,268,243</b>	<b>\$ 547,300</b>	<b>\$ 2,102,760</b>	<b>\$ 2,112,310</b>	<b>\$ 2,148,400</b>	<b>\$ 2,313,400</b>	<b>\$ 2,203,300</b>
3.1 Electric	300,647	244,000	72,000	280,400	283,200	286,000	288,900	288,900
3.2 Gas	87,021	73,000	2,600	83,800	85,200	86,100	87,000	87,000
3.3 Sewage	209,770	83,000	80,900	150,100	151,200	152,700	154,200	154,200
3.4 Water	88,691	30,000	34,900	53,100	54,000	54,500	55,000	55,000
4.1 Chemicals	864,204	575,400	175,500	771,200	771,200	790,500	790,500	790,500
4.2 Supplies and Other	1,279,046	262,843	154,700	586,800	590,550	600,000	756,400	643,400
Capital Outlay less than \$5,000	48,245	-	(1,600)	-	-	-	-	-
Office Supplies	6,086	5,202	1,600	6,600	7,200	7,400	7,500	7,600
Operating Supplies	39,213	15,750	6,100	35,000	35,700	36,400	36,800	37,200
Repairs & Maintenance-Equipment	555,281	171,285	117,900	427,800	433,750	440,200	594,400	478,100
Repairs & Maintenance-Facilities	630,221	70,606	30,700	117,400	113,900	116,000	117,700	120,500
4.3 Contractual Services	167,523	-	26,700	177,360	176,960	178,600	181,400	184,300
<b>892277 - Baby Creek Combined Sewer Overflow</b>	<b>\$ 1,012,683</b>	<b>\$ 1,119,830</b>	<b>\$ 280,400</b>	<b>\$ 972,910</b>	<b>\$ 1,027,160</b>	<b>\$ 1,115,400</b>	<b>\$ 793,100</b>	<b>\$ 745,800</b>
3.1 Electric	127,390	157,000	22,600	132,000	133,200	135,000	135,000	135,000
3.2 Gas	40,067	53,000	500	45,400	45,800	46,300	46,300	46,300
4.1 Chemicals	117,853	289,300	62,000	212,600	212,600	218,000	218,000	218,000
4.2 Supplies and Other	600,076	620,530	187,400	497,290	548,740	628,800	305,700	257,700
Office Supplies	360	-	-	500	500	600	600	600
Operating Supplies	11,342	11,025	1,200	12,350	12,540	12,700	13,000	13,300
Repairs & Maintenance-Equipment	342,479	79,505	65,800	129,340	129,700	133,000	133,400	133,600
Repairs & Maintenance-Facilities	245,895	530,000	120,400	355,100	406,000	482,500	158,700	110,200
4.3 Contractual Services	127,297	-	7,900	85,620	86,820	87,300	88,100	88,800
<b>892278 - Oakwood Combined Sewer Overflow</b>	<b>\$ 1,434,770</b>	<b>\$ 1,280,037</b>	<b>\$ 333,400</b>	<b>\$ 1,290,740</b>	<b>\$ 1,453,570</b>	<b>\$ 1,300,340</b>	<b>\$ 1,333,050</b>	<b>1,305,770</b>
3.1 Electric	292,615	349,000	104,600	349,000	352,000	352,000	352,000	352,000
3.2 Gas	242	6,000	100	2,500	2,600	3,000	3,000	3,000
3.3 Sewage	421,655	465,000	99,000	422,000	430,800	439,400	439,400	439,400
3.4 Water	186,390	175,000	44,400	186,400	188,400	190,100	190,100	190,100
4.1 Chemicals	82,141	121,100	51,100	99,200	99,200	101,700	101,700	101,700
4.2 Supplies and Other	385,716	163,937	28,000	197,650	353,080	185,540	218,050	190,570
Capital Outlay less than \$5,000	2,136	-	-	-	-	-	-	-
Office Supplies	1,035	-	100	1,000	1,000	1,000	1,000	1,000
Operating Supplies	13,513	11,200	1,500	13,500	13,700	13,900	14,200	14,500
Repairs & Maintenance-Equipment	217,247	97,737	1,100	97,750	130,380	102,240	134,050	105,870
Repairs & Maintenance-Facilities	151,786	55,000	25,300	85,400	208,000	68,400	68,800	69,200
4.3 Contractual Services	66,009	-	6,200	33,990	27,490	28,600	28,800	29,000



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892279 - Belle Isle Combined Sewer Overflow	\$ (95,464)	\$ (411)	\$ 57,800	\$ 31,360	\$ 4,820	\$ 4,210	\$ 3,210	\$ 2,020
4.1 Chemicals	9,384	5,300	-	11,900	11,900	12,000	12,000	12,000
4.2 Supplies and Other	110,564	70,689	76,800	85,570	60,610	61,310	61,810	62,320
Capital Outlay over \$5k(O&M-Capitalized)			67,900					
Office Supplies	3,461	-	-	-	-	-	-	-
Operating Supplies	361	4,400	-	1,860	1,900	1,950	2,000	2,050
Repairs & Maintenance-Equipment	26,407	36,289	4,200	28,710	28,710	29,160	29,610	30,070
Repairs & Maintenance-Facilities	80,335	30,000	4,700	55,000	30,000	30,200	30,200	30,200
4.3 Contractual Services	18,769	-	100	11,790	11,810	12,000	12,100	12,100
5.2 Shared Services allocation	(234,181)	(76,400)	(19,100)	(77,900)	(79,500)	(81,100)	(82,700)	(84,400)
892269 - Suburban Only Green Infrastructure Allocation	\$ 1,750,000	\$ -	\$ -	\$ 388,900	\$ 392,800	\$ 396,700	\$ 400,700	\$ 404,700
897600 - Wastewater Operations Unallocated	\$ -	\$ 4,603,856	\$ -	\$ 5,050,600	\$ 5,473,966	\$ 8,407,300	\$ 10,898,200	\$ 13,333,670
Grand Total	\$ 103,396,859	\$ 112,692,839	\$ 25,486,800	\$ 112,237,316	\$ 114,057,385	\$ 116,390,360	\$ 119,687,295	\$ 123,251,538