

ADDENDUM 2

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

Expense Categories and Departmental Level Amendments	Total 4th Quarter FY 2023 Amendments	Explanation of Key Items
Capital Program Allocation	1,500,900	
Capital Improvement Planning	191,200	
Chief Operating Officer Wastewater	40,600	
Southwest Water Plant	35,000	
Springwells Water Plant	(10,700)	
Wastewater Engineering	414,800	Actual hours reported by engineers working on capital projects is less than forecasted.
Water Engineering	830,000	Actual hours reported by engineers working on capital projects is less than forecasted.
Chemicals	1,048,900	
7 Mile Combined Sewer Overflow	(1,900)	
Baby Creek Combined Sewer Overflow	(21,800)	
Belle Isle Combined Sewer Overflow	(5,100)	
Conner Creek Combined Sewer Overflow	(808,700)	Reduction in use of hypochlorite due to higher-than-normal temperatures and lower-than-normal precipitation during later half of FY 2023.
Hubble Southfield CSO	(88,200)	
Lake Huron Water Plant	(18,700)	
Leib Combined Sewer Overflow	17,300	
Northeast Water Plant	60,000	
Oakwood Combined Sewer Overflow	(123,500)	
Puritan Fenkell Combined Sewer Overflow	(32,900)	
Southwest Water Plant	4,300	
Springwells Water Plant	340,000	Increases mostly due to increasing prices for chemicals, including a significant increase in Phosphoric acid from November 2022 to March 2023. Also due to increase usage due to turnover season in early spring for Turbidity increases use of Alum and Chlorine
St Aubin Combined Sewer Overflow	5,700	
Wastewater Dewatering Process	52,100	
Wastewater Director	4,100	
Wastewater Incineration Process	(44,700)	
Wastewater Laboratories	22,300	
Wastewater Operations	(5,100)	
Wastewater Primary Process	(400,700)	Average monthly usage has decreased below the forecast.
Wastewater Secondary Process	1,705,900	Unit cost of chemicals increased due to supplier constraints.
Water Quality	73,500	
Water Works Park	315,000	Increases mostly due to increasing prices for chemicals, including a significant increase in Phosphoric acid from November 2022 to March 2023. Also due to increase usage due to turnover season in early spring for Turbidity increases use of Alum and Chlorine
Contractual Services	646,700	
7 Mile Combined Sewer Overflow	(32,200)	
Asset Management	1,255,000	Driven primarily by vendor HDR Michigan with increased activity on 14 mile road main break.
Baby Creek Combined Sewer Overflow	(32,400)	
BDF, COF & Hauling	181,000	
Belle Isle Combined Sewer Overflow	500	
Capital Improvement Planning	885,000	Additional AECOM support needed than was originally anticipated in the FY 2022 budget.
CFO Services	19,200	
Chief Executive Officer	(35,000)	
Chief Financial Officer	(50,500)	
Chief Operating Officer Wastewater	(416,000)	Reduction due to transfer of work force development program to actual training costs under supplies & other
Combined Sewer Overflow	(409,700)	Reduced use of facilities maintenance contract (Lakeshore Global #2102834).
Conner Creek Combined Sewer Overflow	(26,600)	
Enterprise Risk Management and Safety	(400,000)	Less than projected costs for Environmental Health and Safety coverage (NTH Consultants).
Enterprise Risk Mgt. Insurance Fund	1,050,000	Increase in costs for the Risk Management Insurance Coverage policies with Marsh USA Inc.
Facility Operations	(645,000)	Utilization of contract services varies from year to year based on need.
Field Service Operations	124,500	
Financial Management & Planning (formerly Financial Planning & Reporting & Accounting)	(45,000)	
Financial Reporting & Accounting	(221,700)	
Fleet Operations	275,000	
General Counsel	401,500	Tapering litigation and investigation costs from the June 2021 flood event.
Hubble Southfield CSO	(6,800)	
Industrial Waste Control	(59,200)	
Info Tech Business Productivity Systems	110,000	
Info Tech Enterprise Asset Mgmt Systems	(795,000)	Reduced utilization of the Trimble Unity Implementation contract and GIS Professional Service contract with Magnolia Rivers.
Info Technology Infrastructure	(1,550,000)	Actual costs for the AT&T Global Network Services contract have come in under budget.
Lake Huron Water Plant	280,000	Increase due to Chartier - Lagoon A maintenance and Brown & Caldwell - Pilot Plant work
Leib Combined Sewer Overflow	(52,100)	
Logistics and Materials	7,000	
Northeast Water Plant	125,000	
Oakwood Combined Sewer Overflow	17,500	
OD Administration	120,000	
OD Talent Management	(161,000)	
OD Training	(164,000)	
Office of the CIO	(15,000)	
Procurement Director	180,000	

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Expense Categories and Departmental Level Amendments	Total	
	4th Quarter FY 2023 Amendments	Explanation of Key Items
Puritan Fenkell Combined Sewer Overflow	(37,100)	
Security and Integrity	200,000	
Southwest Water Plant	(190,000)	
Springwells Water Plant	(1,030,000)	Decrease due to Mobile Dredging contract. FY 2023 budget was based upon previous years' expenses and the potential for utilization of the contract at this location. It has been determined that these services will not be needed at this location in FY 2023.
St Aubin Combined Sewer Overflow	51,600	
Systems Analytics	(374,500)	Utilization of the Applied Science contract for sewer dye testing is less than anticipated.
Systems Operations Control	1,830,000	Increased utilization of 2004889 - Specialized Services contract and implementation of contracts for remote site work on sewer level sensors that are needed to insure system resiliency that were not budgeted for (projects came into place during FY 2023)
Systems Planning	(210,000)	
Systems Planning & Development	(98,000)	
Treasury	(133,500)	
Wastewater Dewatering Process	101,700	
Wastewater Director	17,200	
Wastewater Engineering	(160,400)	
Wastewater Incineration Process	(22,100)	
Wastewater Laboratories	(20,100)	
Wastewater Operations	(43,500)	
Wastewater Primary Process	(24,800)	
Wastewater Process Control	166,100	
Wastewater Secondary Process	280,100	
Water Director	(15,000)	
Water Engineering	(300,000)	Reduction in the anticipated expenses for PMA Consultants - Capital Improvement project.
Water Quality	(15,000)	
Water Works Park	723,000	Increase due to increased utilization of Weiss Construction screen rehabilitation project and Arcadis Comprehensive corrosion control project.
Woodmere Pumping Station	7,000	
Chief Administrative Officer	30,000	
Personnel	(2,856,900)	
Asset Management	(488,000)	Vacancies being filled at slower pace than planned.
BDF, COF & Hauling	(130,500)	
Board of Directors	2,100	
Capital Improvement Planning	(843,700)	Vacancies being filled at slower pace than planned.
CFO Services	62,900	
Chief Executive Officer	32,100	
Chief Financial Officer	(124,300)	
Chief Operating Officer Wastewater	(120,900)	
Chief Planning Officer	(20,000)	
Combined Sewer Overflow	(171,000)	
COO - Water Operations & Field Services	(20,000)	
Energy, Research & Innovation	(175,000)	
Facility Operations	(150,000)	
Field Service Operations	800,000	Increased utilization of overtime and promotion of several team members within Field Services.
Financial Management & Planning	(395,700)	Vacancies being filled at slower pace than planned.
Financial Reporting & Accounting	(76,100)	
General Counsel	93,000	
Industrial Waste Control	(102,900)	
Info Tech Business Productivity Systems	(112,000)	
Info Tech Enterprise Asset Mgmt Systems	(9,000)	
Info Technology Project Management Office	186,000	
Info Technology Service Delivery	(20,500)	
Lake Huron Water Plant	20,000	
Logistics and Materials	(70,000)	
Northeast Water Plant	14,000	
OD Training	5,000	
Office of the CIO	165,000	
Procurement Director	30,000	
Security and Integrity	268,000	
Southwest Water Plant	(190,000)	
Springwells Water Plant	(10,000)	
System Resiliency	140,000	
Systems Analytics	(622,000)	PCI transitional labor requirements were lower than projected
Systems Operations Control	410,000	Increased utilization of overtime and promotion of several team members within Systems Control.
Systems Planning	(15,500)	
Systems Planning & Development	(267,000)	
Transformation	(55,000)	
Treasury	35,600	
Wastewater Dewatering Process	(258,400)	
Wastewater Director	(390,500)	Reduced use of facilities maintenance contract to fill vacant positions (Lakeshore Global #2102834); positions will be filled at later time.
Wastewater Engineering	(246,200)	

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Wastewater Incineration Process	28,600	
Wastewater Laboratories	(50,000)	
Wastewater Operations	(29,100)	
Wastewater Primary Process	252,500	
Wastewater Process Control	(436,700)	Reduction due to 6 FTE positions not filled during FY 2023
Wastewater Secondary Process	165,800	
Water Director	(50,000)	
Water Engineering	(10,000)	
Water Quality	70,000	
Water Works Park	(80,000)	
Chief Administrative Officer	102,500	
Shared Services	(69,900)	
Belle Isle Combined Sewer Overflow	(14,900)	
Belle Isle Pumping Station	(10,000)	
Fischer Pumping Station	(23,000)	
Treasury	10,000	
Woodmere Pumping Station	(32,000)	
Supplies & Other	1,041,100	
7 Mile Combined Sewer Overflow	157,200	
Adams Road Pumping Station	(60,000)	
Asset Management	(19,000)	
Baby Creek Combined Sewer Overflow	(326,500)	Reductions in repairs at this CSO facility priority repairs at other facilities due to condition and criticality considerations.
Belle Isle Combined Sewer Overflow	2,000	
Belle Isle Pumping Station	10,000	
Board of Directors	(14,900)	
Capital Improvement Planning	(11,300)	
CFO Services	1,700	
Chief Executive Officer	2,900	
Chief Financial Officer	(18,100)	
Chief Operating Officer Wastewater	174,200	
Chief Planning Officer	(13,400)	
Combined Sewer Overflow	(2,400)	
Conner Creek Combined Sewer Overflow	386,100	Increase due to the project for the replacement of stop logs (Ballard Marine); this project was not known at the time that the FY 2023 budget was developed.
Conner Pumping Station	(46,000)	
COO - Water Operations & Field Services	28,000	
Eastside Pumping Station	(6,000)	
Energy, Research & Innovation	(164,900)	
Facility Operations	190,000	
Fairview Pumping Station	480,000	Increase in pump and other equipment repairs due to damage resulting from the June/July 2021 wet weather events.
Field Service Operations	36,900	
Financial Management & Planning (formerly Financial Planning & Reporting & Accounting)	(300)	
Fischer Pumping Station	23,000	
Fleet Operations	143,500	
Franklin Road Pumping Station	(20,000)	
Freud Pumping Station	(45,000)	
General Counsel	(26,500)	
Hubble Southfield CSO	110,600	
Imlay Pumping Station	100,000	
Industrial Waste Control	(65,600)	
Info Tech Business Productivity Systems	106,000	
Info Tech Enterprise Asset Mgmt Systems	(4,000)	
Info Technology Infrastructure	(317,000)	Repair & Maintenance Hardware decrease for Oracle Database Licensing due to declining need for as many licenses.
Info Technology Project Management Office	3,500	
Info Technology Security & Risk	4,000	
Info Technology Service Delivery	(259,000)	
Joy Road Pumping Station	(30,000)	
Lake Huron Water Plant	66,000	
Leib Combined Sewer Overflow	42,900	
Logistics and Materials	75,500	
Michigan Ave Pumping Station	(10,000)	
Northeast Water Plant	69,000	
Northwest Pumping Station	30,000	
Oakwood Combined Sewer Overflow	(51,400)	
Oakwood Pumping Station	60,000	
OD Administration	6,000	
OD Talent Management	49,000	
OD Training	145,000	
Office of the CIO	7,000	

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Orion Township Pumping Station	110,000	
Procurement Director	(100,400)	
Puritan Fenkell Combined Sewer Overflow	200,100	
Rochester Pumping Station	5,000	
Schoolcraft Pumping Station	10,000	
Southwest Water Plant	(42,000)	
Springwells Water Plant	80,000	
St Aubin Combined Sewer Overflow	56,400	
System Resiliency	5,000	
Systems Analytics	(20,500)	
Systems Operations Control	(208,000)	
Systems Planning	(32,400)	
Systems Planning & Development Transformation	(6,600) 1,000	
Treasury	(14,900)	
Wastewater Dewatering Process	(412,700)	Equipment repair costs coming in under budget for gas sensors, bull gear repair & blower unit replacements.
Wastewater Director	(271,300)	
Wastewater Engineering	4,500	
Wastewater Fire Damage	199,000	
Wastewater Incineration Process	(1,147,600)	Reduced equipment repairs under refractory inspection contract 2000917 to 2 incinerators; scope of the repairs for this contract is under review.
Wastewater Laboratories	101,300	
Wastewater Operations	(397,900)	Reduced facilities maintenance expenditures - HVAC costs below forecast.
Wastewater Primary Process	1,624,300	Increase in equipment repairs needed due to reliability and criticality considerations; improving rack & grit system and primary clarification.
Wastewater Process Control	(342,500)	Reduced scheduled equipment replacement that will be covered under new Emerson contract 2101167.
Wastewater Secondary Process	534,300	Emergency replacement of aeration deck Pannels under JOC J2-05.
Water Director	52,000	
Water Engineering	(8,000)	
Water Works Park	210,000	
West Service Center Pumping Station	(50,000)	
Wick Road Pumping Station	(60,000)	
Woodmere Pumping Station	25,000	
Ypsilanti Pumping Station	(4,000)	
Chief Administrative Officer	8,200	
Unallocated Reserve	(1,917,300)	
Administrative Services Unallocated Reserves	(419,400)	Unallocated Reserve was used for the refinement of various account categories within the Administrative & Other Services area, primarily related to the contractual services.
Centralized Services Unallocated Reserves	154,700	
Wastewater System Operations Unallocated Reserves	22,300	
Water System Operations Unallocated Reserves	(1,674,900)	Unallocated Reserve was used for the refinement of various account categories within the Water Operations area, primarily Utilities.
Utilities	9,106,500	
7 Mile Combined Sewer Overflow	(5,200)	
Adams Road Pumping Station	140,000	
Baby Creek Combined Sewer Overflow	(48,400)	
BDF, COF & Hauling	1,072,000	Increase due to increased cost per MBTU for natural gas.
Conner Creek Combined Sewer Overflow	268,200	
Conner Pumping Station	60,000	
Eastside Pumping Station	25,000	
Electric Ave Pumping Station	8,000	
Fairview Pumping Station	81,000	
Ford Rd Pumping Station	92,000	
Franklin Road Pumping Station	300,000	Increased electric usage and an increased demand charge have resulted in higher billing.
Freud Pumping Station	(3,500)	
Haggerty Road Pumping Station	30,000	
Hubble Southfield CSO	(62,200)	
Imlay Pumping Station	(100,000)	
Joy Road Pumping Station	130,000	
Lake Huron Water Plant	690,000	Electric: Lake Huron Water Plant hit higher peak demand factor in August of 2022 which resulted in increased expenses through FY 2023; overall increase in KWH charges and power supply cost recovery charges; and increase of pumping due to dry weather events this spring causing higher cost than prior years. Gas: Commodity cost increased significantly
Leib Combined Sewer Overflow	(23,100)	
Logistics and Materials	67,000	
Michigan Ave Pumping Station	70,000	
Newburgh Pumping Station	80,000	
North Service Center Pumping Station	295,000	Electric: Increased electric usage and an increased demand charge have resulted in higher billing. Gas: Increased gas use during heating months
Northeast Pumping Station	160,000	

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Northeast Water Plant	1,119,000	Electric: Northeast Water Plant primarily, along with Springwells Water Plant, picked up some of the pumping effort during the 102 inch main break in 2022 that was diverted from Lake Huron Water Plant; overall increase in kWh charges and power supply cost recovery charges, and increase of pumping due to dry weather events this spring causing higher cost than prior years. Gas: Commodity cost increased significantly. Sewer: increase is driven by stormwater drainage charges increasing annually.
Northwest Pumping Station	20,000	
Oakwood Combined Sewer Overflow	260,300	
Oakwood Pumping Station	(10,000)	
Orion Township Pumping Station	10,000	
Puritan Fenkell Combined Sewer Overflow	(3,500)	
Rochester Pumping Station	24,500	
Schoolcraft Pumping Station	55,000	
Southwest Water Plant	277,000	Gas: Commodity cost increased significantly. Sewer: increase is driven by stormwater drainage charges increasing annually, also due to actual sewer disposal expenses that are driven by the cleaning of the pit and how much dredging is completed.
Springwells Water Plant	707,000	Electric: Springwells Water Plant, along with Northeast Water Plant, picked up some of the pumping effort during the 102 inch main break in 2022 that was diverted from Lake Huron Water Plant; overall increase in kWh charges and power supply cost recovery charges, and increase of pumping due to dry weather events this spring causing higher cost than prior years. Gas: Commodity cost increased significantly along with increased usage due to a natural gas power air conditioning system (blast chiller).
St Aubin Combined Sewer Overflow	(600)	
Systems Analytics	10,000	
Systems Operations Control	20,000	
Wastewater Operations	2,491,000	Increased cost per MBTU for natural gas and the KWH for electricity.
Water Works Park	396,000	Electric: Increase due to an overall increase in KWH charges and power supply cost recovery charges. Also, increase of pumping due to dry weather events this spring causing higher cost than prior years. Gas: Commodity cost increased significantly. Sewer: increase is driven by stormwater drainage charges increasing annually.
West Chicago Rd Pumping Station	5,000	
West Service Center Pumping Station	205,000	
Wick Road Pumping Station	93,000	
Ypsilanti Pumping Station	102,000	
Grand Total	8,500,000	

Totals may be off due to rounding