

ADDENDUM 1

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

Departmental and Account Level Amendments	Total 4th Quarter FY 2023 Amendments	Explanation of Key Items
A Water System Operations	4,519,000	
Adams Road Pumping Station	80,000	
Supplies & Other	(60,000)	
Utilities	140,000	
COO - Water Operations & Field Services	8,000	
Personnel	(20,000)	
Supplies & Other	28,000	
Eastside Pumping Station	19,000	
Supplies & Other	(6,000)	
Utilities	25,000	
Electric Ave Pumping Station	8,000	
Utilities	8,000	
Ford Rd Pumping Station	92,000	
Utilities	92,000	
Franklin Road Pumping Station	280,000	
Supplies & Other	(20,000)	
Utilities	300,000	Increased electric usage and an increased demand charge have resulted in higher billing.
Haggerty Road Pumping Station	30,000	
Utilities	30,000	
Imlay Pumping Station	-	
Supplies & Other	100,000	
Utilities	(100,000)	
Joy Road Pumping Station	100,000	
Supplies & Other	(30,000)	
Utilities	130,000	
Lake Huron Water Plant	1,037,300	
Chemicals	(18,700)	
Contractual Services	280,000	Increase due to Chartier - Lagoon A maintenance and Brown & Caldwell - Pilot Plant work
Personnel	20,000	
Supplies & Other	66,000	
Utilities	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
Michigan Ave Pumping Station	60,000	
Supplies & Other	(10,000)	
Utilities	70,000	
Newburgh Pumping Station	80,000	
Utilities	80,000	
North Service Center Pumping Station	295,000	
Utilities	295,000	Electric: Increased electric usage and an increased demand charge have resulted in higher billing. Gas: Increased gas use during heating months
Northeast Water Plant	1,387,000	
Chemicals	60,000	
Contractual Services	125,000	
Personnel	14,000	
Supplies & Other	69,000	
Utilities	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	50,000	
Supplies & Other	30,000	
Utilities	20,000	
Orion Township Pumping Station	120,000	
Supplies & Other	110,000	
Utilities	10,000	
Rochester Pumping Station	29,500	
Supplies & Other	5,000	
Utilities	24,500	
Schoolcraft Pumping Station	65,000	
Supplies & Other	10,000	
Utilities	55,000	
Southwest Water Plant	(105,700)	
Capital Program Allocation	35,000	
Chemicals	4,300	
Contractual Services	(190,000)	
Personnel	(190,000)	
Supplies & Other	(42,000)	
Utilities	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	76,300	
Capital Program Allocation	(10,700)	

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Chemicals	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 in early spring for Turbidity resulting in an increased use of Alum and Chlorine
Contractual Services	(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.
Personnel	(10,000)	
Supplies & Other	80,000	
Utilities	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).
Water Director	(13,000)	
Contractual Services	(15,000)	
Personnel	(50,000)	
Supplies & Other	52,000	
Water Engineering	512,000	
Capital Program Allocation	830,000	Actual hours reported by engineers working on capital projects is less than forecasted.
Contractual Services	(300,000)	Reduction in the anticipated expenses for PMA Consultants - Capital Improvement project.
Personnel	(10,000)	
Supplies & Other	(8,000)	
Water Quality	128,500	
Chemicals	73,500	
Contractual Services	(15,000)	
Personnel	70,000	
Water System Operations Unallocated Reserves	(1,674,900)	
Unallocated Reserve	(1,674,900)	Unallocated Reserve was used for the refinement of various account categories within the Water Operations area, primarily Utilities.
Water Works Park	1,564,000	
Chemicals	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 in early spring for Turbidity resulting in an increased use of Alum and Chlorine
Contractual Services	723,000	Increase due to increased utilization of Weiss Construction screen rehabilitation project and Arcadis Comprehensive corrosion control project.
Personnel	(80,000)	
Supplies & Other	210,000	
Utilities	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	
Utilities	5,000	
West Service Center Pumping Station	155,000	
Supplies & Other	(50,000)	
Utilities	205,000	
Wick Road Pumping Station	33,000	
Supplies & Other	(60,000)	
Utilities	93,000	
Ypsilanti Pumping Station	98,000	
Supplies & Other	(4,000)	
Utilities	102,000	
B Wastewater System Operations	3,981,000	
7 Mile Combined Sewer Overflow	117,900	
Chemicals	(1,900)	
Contractual Services	(32,200)	
Supplies & Other	157,200	
Utilities	(5,200)	
Baby Creek Combined Sewer Overflow	(429,100)	
Chemicals	(21,800)	
Contractual Services	(32,400)	
Supplies & Other	(326,500)	Reductions in repairs at this CSO facility due to priority repairs at other facilities related to condition and criticality considerations.
Utilities	(48,400)	
BDF, COF & Hauling	1,122,500	
Contractual Services	181,000	
Personnel	(130,500)	
Utilities	1,072,000	Increase due to increased cost per MBTU for natural gas.
Belle Isle Combined Sewer Overflow	(17,500)	
Chemicals	(5,100)	
Contractual Services	500	
Shared Services	(14,900)	
Supplies & Other	2,000	
Belle Isle Pumping Station	-	
Shared Services	(10,000)	

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Supplies & Other	10,000	
Chief Operating Officer Wastewater	(322,100)	
Capital Program Allocation	40,600	
Contractual Services	(416,000)	
		Reduction due to transfer of work force development program to actual training costs under supplies & other
Personnel	(120,900)	
Supplies & Other	174,200	
Combined Sewer Overflow	(583,100)	
Contractual Services	(409,700)	Reduced use of facilities maintenance contract (Lakeshore Global #2102834).
Personnel	(171,000)	
Supplies & Other	(2,400)	
Conner Creek Combined Sewer Overflow	(181,000)	
Chemicals	(808,700)	Reduction in use of hypochlorite due to higher-than-normal temperatures and lower-than-normal precipitation during later half of FY 2023.
Contractual Services	(26,600)	
Supplies & Other	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.
Utilities	268,200	
Conner Pumping Station	14,000	
Supplies & Other	(46,000)	
Utilities	60,000	
Fairview Pumping Station	561,000	
Supplies & Other	480,000	Increase in pump and other equipment repairs due to damage resulting from the June/July 2021 wet weather events.
Utilities	81,000	
Fischer Pumping Station	-	
Shared Services	(23,000)	
Supplies & Other	23,000	
Freud Pumping Station	(48,500)	
Supplies & Other	(45,000)	
Utilities	(3,500)	
Hubble Southfield CSO	(46,600)	
Chemicals	(88,200)	
Contractual Services	(6,800)	
Supplies & Other	110,600	
Utilities	(62,200)	
Industrial Waste Control	(227,700)	
Contractual Services	(59,200)	
Personnel	(102,900)	
Supplies & Other	(65,600)	
Leib Combined Sewer Overflow	(15,000)	
Chemicals	17,300	
Contractual Services	(52,100)	
Supplies & Other	42,900	
Utilities	(23,100)	
Northeast Pumping Station	160,000	
Utilities	160,000	
Oakwood Combined Sewer Overflow	102,900	
Chemicals	(123,500)	
Contractual Services	17,500	
Supplies & Other	(51,400)	
Utilities	260,300	
Oakwood Pumping Station	50,000	
Supplies & Other	60,000	
Utilities	(10,000)	
Puritan Fenkell Combined Sewer Overflow	126,600	
Chemicals	(32,900)	
Contractual Services	(37,100)	
Supplies & Other	200,100	
Utilities	(3,500)	
St Aubin Combined Sewer Overflow	113,100	
Chemicals	5,700	
Contractual Services	51,600	
Supplies & Other	56,400	
Utilities	(600)	
Wastewater Dewatering Process	(517,300)	
Chemicals	52,100	
Contractual Services	101,700	
Personnel	(258,400)	
Supplies & Other	(412,700)	Equipment repair costs coming in under budget for gas sensors, bull gear repair & blower unit replacements.
Wastewater Director	(640,500)	
Chemicals	4,100	
Contractual Services	17,200	
Personnel	(390,500)	Reduced use of facilities maintenance contract to fill vacant positions (Lakeshore Global #2102834); positions will be filled at later time.
Supplies & Other	(271,300)	

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Wastewater Engineering	12,700	
Capital Program Allocation	414,800	Actual hours reported by engineers working on capital projects is less than forecasted.
Contractual Services	(160,400)	
Personnel	(246,200)	
Supplies & Other	4,500	
Wastewater Fire Damage	199,000	
Supplies & Other	199,000	
Wastewater Incineration Process	(1,185,800)	
Chemicals	(44,700)	Reduced equipment repairs under refractory inspection contract 2000917 to 2 incinerators; scope of the repairs for this contract is under review.
Contractual Services	(22,100)	
Personnel	28,600	
Supplies & Other	(1,147,600)	
Wastewater Laboratories	53,500	
Chemicals	22,300	
Contractual Services	(20,100)	
Personnel	(50,000)	
Supplies & Other	101,300	
Wastewater Operations	2,015,400	
Chemicals	(5,100)	Reduced facilities maintenance expenditures - HVAC costs below forecast.
Contractual Services	(43,500)	
Personnel	(29,100)	Increased cost per MBTU for natural gas and the KWH for electricity.
Supplies & Other	(397,900)	
Utilities	2,491,000	
Wastewater Primary Process	1,451,300	
Chemicals	(400,700)	Average monthly usage has decreased below the forecast.
Contractual Services	(24,800)	
Personnel	252,500	
Supplies & Other	1,624,300	Increase in equipment repairs needed due to reliability and criticality considerations; improving rack & grit system and primary clarification.
Wastewater Process Control	(613,100)	
Contractual Services	166,100	
Personnel	(436,700)	Reduction due to 6 FTE positions not filled during FY 2023
Supplies & Other	(342,500)	Reduced scheduled equipment replacement that will be covered under new Emerson contract 2101167.
Wastewater Secondary Process	2,686,100	
Chemicals	1,705,900	Unit cost of Chlorine based chemicals increased due to supplier constraints.
Contractual Services	280,100	
Personnel	165,800	
Supplies & Other	534,300	Emergency replacement of aeration deck Pannels under JOC J2-05.
Wastewater System Operations Unallocated Reserves	22,300	
Unallocated Reserve	22,300	
Woodmere Pumping Station	-	
Contractual Services	7,000	
Shared Services	(32,000)	
Supplies & Other	25,000	
C Centralized Services	-	
Asset Management	748,000	
Contractual Services	1,255,000	Driven primarily by vendor HDR Michigan with increased activity on 14 mile road main break.
Personnel	(488,000)	Vacancies being filled at slower pace than planned.
Supplies & Other	(19,000)	
Capital Improvement Planning	221,200	
Capital Program Allocation	191,200	
Contractual Services	885,000	Additional AECOM support needed than was originally anticipated in the FY 2022 budget.
Personnel	(843,700)	Vacancies being filled at slower pace than planned.
Supplies & Other	(11,300)	
Centralized Services Unallocated Reserves	154,700	
Unallocated Reserve	154,700	
Chief Planning Officer	(33,400)	
Personnel	(20,000)	
Supplies & Other	(13,400)	
Energy, Research & Innovation	(339,900)	
Personnel	(175,000)	
Supplies & Other	(164,900)	
Facility Operations	(605,000)	
Contractual Services	(645,000)	Utilization of contract services varies from year to year based on need.
Personnel	(150,000)	
Supplies & Other	190,000	
Field Service Operations	961,400	
Contractual Services	124,500	
Personnel	800,000	Increased utilization of overtime and promotion of several team members within Field Services.
Supplies & Other	36,900	
Fleet Operations	418,500	
Contractual Services	275,000	
Supplies & Other	143,500	
Info Tech Business Productivity Systems	104,000	
Contractual Services	110,000	

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Personnel	(112,000)	
Supplies & Other	106,000	
Info Tech Enterprise Asset Mgmt Systems	(808,000)	
Contractual Services	(795,000)	Reduced utilization of the Trimble Unity Implementation contract and GIS Professional Service contract with Magnolia Rivers.
Personnel	(9,000)	
Supplies & Other	(4,000)	
Info Technology Infrastructure	(1,867,000)	
Contractual Services	(1,550,000)	Actual costs for the AT&T Global Network Services contract have come in under budget.
Supplies & Other	(317,000)	Repair & Maintenance Hardware decrease for Oracle Database Licensing due to declining need for as many licenses.
Info Technology Project Management Office	189,500	
Personnel	186,000	
Supplies & Other	3,500	
Info Technology Security & Risk	4,000	
Supplies & Other	4,000	
Info Technology Service Delivery	(279,500)	
Personnel	(20,500)	
Supplies & Other	(259,000)	
Office of the CIO	157,000	
Contractual Services	(15,000)	
Personnel	165,000	
Supplies & Other	7,000	
Security and Integrity	468,000	
Contractual Services	200,000	
Personnel	268,000	
Supplies & Other	-	
System Resiliency	145,000	
Personnel	140,000	
Supplies & Other	5,000	
Systems Analytics	(1,007,000)	
Contractual Services	(374,500)	Utilization of the Applied Science contract for sewer dye testing is less than anticipated.
Personnel	(622,000)	PCI transitional labor requirements were lower than projected
Supplies & Other	(20,500)	
Utilities	10,000	
Systems Operations Control	2,052,000	
Contractual Services	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)
Personnel	410,000	Increased utilization of overtime and promotion of several team members within Systems Control.
Supplies & Other	(208,000)	
Utilities	20,000	
Systems Planning	(257,900)	
Contractual Services	(210,000)	
Personnel	(15,500)	
Supplies & Other	(32,400)	
Systems Planning & Development	(371,600)	
Contractual Services	(98,000)	
Personnel	(267,000)	
Supplies & Other	(6,600)	
Transformation	(54,000)	
Personnel	(55,000)	
Supplies & Other	1,000	
D Administrative & Other Services	-	
Administrative Services Unallocated Reserves	(419,400)	
Unallocated Reserve	(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.
Board of Directors	(12,800)	
Personnel	2,100	
Supplies & Other	(14,900)	
CFO Services	83,800	
Contractual Services	19,200	
Personnel	62,900	
Supplies & Other	1,700	
Chief Executive Officer	-	
Contractual Services	(35,000)	
Personnel	32,100	
Supplies & Other	2,900	
Chief Financial Officer	(192,900)	
Contractual Services	(50,500)	
Personnel	(124,300)	
Supplies & Other	(18,100)	
Enterprise Risk Management and Safety	(400,000)	
Contractual Services	(400,000)	Less than projected costs for Environmental Health and Safety coverage (NTH Consultants).
Enterprise Risk Mgt. Insurance Fund	1,050,000	
Contractual Services	1,050,000	Increase in costs for the Risk Management Insurance Coverage policies with Marsh USA Inc.

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Financial Management & Planning	(441,000)	
Contractual Services	(45,000)	
Personnel	(395,700)	Vacancies being filled at slower pace than planned.
Supplies & Other	(300)	
Financial Reporting & Accounting	(362,700)	
Contractual Services	(221,700)	
Personnel	(76,100)	
Supplies & Other	(64,900)	
General Counsel	468,000	
Contractual Services	401,500	Tapering litigation and investigation costs from the June 2021 flood event.
Personnel	93,000	
Supplies & Other	(26,500)	
Logistics and Materials	79,500	
Contractual Services	7,000	
Personnel	(70,000)	
Supplies & Other	75,500	
Utilities	67,000	
OD Administration	126,000	
Contractual Services	120,000	
Supplies & Other	6,000	
OD Talent Management	(112,000)	
Contractual Services	(161,000)	
Supplies & Other	49,000	
OD Training	(14,000)	
Contractual Services	(164,000)	
Personnel	5,000	
Supplies & Other	145,000	
Procurement Director	109,600	
Contractual Services	180,000	
Personnel	30,000	
Supplies & Other	(100,400)	
Treasury	(102,800)	
Contractual Services	(133,500)	
Personnel	35,600	
Shared Services	10,000	
Supplies & Other	(14,900)	
Chief Administrative Officer	140,700	
Contractual Services	30,000	
Personnel	102,500	
Supplies & Other	8,200	
Grand Total	8,500,000	

Totals may be off due to rounding