

CODES	DEPT	2021 Approved	2022 Base Request	Increase - 2021 Approved to 2022 Base Request	Percentage Increase
	Personnel	\$ 61,996,500.00	\$ 65,431,019.56	\$ 3,434,519.56	5.54%
410	Office of the Director	\$ 2,438,574.00	\$ 2,607,330.05	\$ 168,756.05	6.92%
420	Wastewater Engineering	\$ 8,000,537.00	\$ 8,211,744.40	\$ 211,207.40	2.64%
430	Wastewater Administration	\$ 4,714,378.23	\$ 4,947,236.67	\$ 232,858.44	4.94%
431	IT Division	\$ 2,372,664.77	\$ 2,435,301.11	\$ 62,636.34	2.64%
440	Wastewater Treatment	\$ 22,174,453.00	\$ 25,332,414.79	\$ 3,157,961.79	14.24%
450	Wastewater Collection	\$ 12,481,170.00	\$ 13,431,142.50	\$ 949,972.50	7.61%
460	Regulatory Compliance	\$ 5,637,659.00	\$ 7,512,351.91	\$ 1,874,692.91	33.25%
470	Watershed Operation	\$ 3,248,090.00			
480	Sewer Backup Program	\$ 928,974.00	\$ 953,498.13	\$ 24,524.13	2.64%
	Non-Personnel (without SBU)	\$ 60,222,412.08	\$ 69,101,648.00	\$ 8,879,235.92	14.74%
410	Office of the Director	\$ 1,159,726.00	\$ 1,218,739.33	\$ 59,013.33	5.09%
420	Wastewater Engineering	\$ 879,603.60	\$ 864,087.54	\$ (15,516.06)	-1.76%
430	Wastewater Administration	\$ 7,054,916.88	\$ 7,231,156.00	\$ 176,239.12	2.50%
431	IT Division	\$ 4,171,989.27	\$ 4,449,255.00	\$ 277,265.73	6.65%
440	Wastewater Treatment	\$ 27,587,099.33	\$ 35,215,466.44	\$ 7,628,367.11	27.65%
450	Wastewater Collection	\$ 10,414,860.00	\$ 12,281,673.69	\$ 1,866,813.69	17.92%
460	Regulatory Compliance	\$ 2,555,717.00	\$ 7,841,270.00	\$ 5,285,553.00	206.81%
470	Watershed Operation	\$ 6,398,500.00			
	Other Non-Personnel	\$ 5,989,535.00	\$ 6,266,000.00	\$ 276,465.00	4.62%
944	GFOH	\$ 2,657,210.00	\$ 2,600,000.00	\$ (57,210.00)	-2.15%
981	FLEET	\$ 1,777,000.00	\$ 2,016,000.00	\$ 239,000.00	13.45%
982	OTEA	\$ 1,555,325.00	\$ 1,650,000.00	\$ 94,675.00	6.09%
	GRAND TOTAL (w/o SBU & Debt Payments)	\$ 128,208,447.08	\$ 140,798,667.56	\$ 12,590,220.48	9.82%
	SBU	\$ 10,993,396.00	\$ 11,213,263.00	\$ 219,867.00	2.00%
	DEBT PAYMENT	\$ 83,586,000.00	\$ 85,000,000.00	\$ 1,414,000.00	1.69%
	GRAND TOTAL	\$ 222,787,843.08	\$ 237,011,930.56	\$ 14,224,087.48	6.38%

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		Department Code	Object Code	Object Description	Increase Requested	Summary of Justification
3		442	7359	Chemicals - NOC	\$ 1,097,949.00	This increase is due to the massive demand spike for these necessary chemicals due to COVID related restrictions. Actual contract costs have been increased, including polymers, PAA and chlorine.
4		442	7289	Expert Services - NOC	\$ 1,000,000.00	This increase would permit the cleaning of the north wet well to eliminate large quantities of grease and git and for fire prevention. There is a need to be proactive as this is causing a safety risk; currently utilizing enzymes to reduce risk. Causing wear and tear on pumps that can cause damage; will be more costly if damage occurs. Last cleaning was in 2016 and should be done every few years.
5		450	7299	Sundry Contractual Services	\$ 699,502.00	This increase would provide an appropriation for the maintenance required for MSD's SCM assets and Lick Run. 2021 budget was \$518,000; this would be an increase of approx. \$700K due to Lick Run.
6		450	7289	Expert Services - NOC	\$ 500,000.00	This increase would provide operational enhancements to facilitate green infrastructure (GI) projects and other innovative opportunities to help MSD optimize GI and other stormwater control measures (SCMs), Contract Support, Implementation Project Support. Optimization/operational enhancements to GI projects to operational controls associated with stormwater infiltration wells, real time controls on retention and detention basins, and other innovative ideas will help MSD optimize GI and other SCMs.
7		443	7276	Disposal	\$ 408,000.00	This increase represents an expected increase to the Rumpke contract.
8		442	7248	Power	\$ 380,048.00	This increase reflects an anticipated utilities price
9		442	7352	Iron	\$ 313,170.00	This increase is due to the massive demand spike for these necessary chemicals due to COVID related
10		442	7392	Electrical Machinery Parts	\$ 305,876.82	This would provide resources for additional centrifuge motors and parts. One major failure of dewatering is the motors and the lack of stocked spares. All are at the end of their useful life.
11		442	7289	Expert Services - NOC	\$ 300,000.00	This increase is related to the phasing of digester cleaning staggered over multiple years. Two would be cleaned as part of the cover project, and this is primarily related to odor risk mitigation.

	A	B	C	D	E	F
12		460	7289	Expert Services - NOC	\$ 285,000.00	This increase would provide wet weather facility performance monitoring tools for existing assets, development for new assets including Wooden Shoe, DUCs 083, 472, Little Miami interceptors/RTC, including post-event data validation and performance evaluations for all facilities.
13		460	7289	Expert Services - NOC	\$ 225,000.00	With these funds, MSD would develop and implement coordinated control logic for Wooden Shoe Wet Weather Facility (Mill Creek Basin) to optimize the facility's performance and tie-in to Smart Sewer System for maximum system-wide overflow reduction and refine control logic for optimal wet weather performance from existing assets and identification of next optimal control points for Mill Creek basin.
14		431	7287	IT Services (combined with 7288)	\$ 220,300.00	This increase is related to increases costs for IT services provided via ETS and CAGIS, reflective of increased demand due to COVID, remote work, and cyber security requirements.
15		460	7289	Expert Services - NOC	\$ 205,000.00	This need reflects continued growth in remote data collection and data QA/QC for 200+ permanent and project-based flow monitoring for model calibration and Phase 2A planning, 300+ outfall level sensors for regulatory reporting, and 50+ stormwater restriction devices for extreme wet weather event mitigation.
16		450	7289	Expert Services - NOC	\$ 200,000.00	This increase would provide resources, for evaluations at all facilities for electric vehicle usage.
17		442	7358	Activated Carbon	\$ 188,000.00	This increase is due to the massive demand spike for these necessary chemicals due to COVID related
18		443	7248	Power	\$ 159,774.00	This increase reflects an anticipated utilities price
19		430	7293	Collection of Sewer Bills	\$ 150,000.00	This increase is requested to add additional assistance with year-end GCWW Billing catchup.
20		460	7289	Expert Services - NOC	\$ 145,550.00	This need represents watershed SCADA maintenance and system support cost increases.
21		442	7241	Gas	\$ 135,000.00	This increase reflects an anticipated utilities price
22		442	7299	Sundry Contractual Services	\$ 132,951.00	This increase is related to the HVAC contract.
23		460	7289	Expert Services - NOC	\$ 130,000.00	Net increase necessary for permit-required evaluations including Mill Creek outfall mixing zone and disinfection compliance
24		450	GENERAL	General Increase	\$ 120,912.00	This represents the cost of a general 2% increase to non-personnel spending for those object codes not otherwise noted. This is straight 2% and is based on pricing changes experienced in the last 12 months.

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25		431	7418	Software and License Fees	\$ 112,329.33	This increase reflects a 3% increase to cover costs plus costs for Leibert.
26		442	GENERAL	General Increase	\$ 103,340.49	This represents the cost of a general 2% increase to non-personnel spending for those object codes not otherwise noted. This is straight 2% and is based on pricing changes experienced in the last 12 months.
27		444	7276	Disposal	\$ 81,600.00	This increase represents an expected increase based on the Rumpke contract.
28		444	7248	Power	\$ 79,726.68	This increase reflects an anticipated utilities price
29		449	7299	Sundry Contractual Services	\$ 68,567.50	This increase would provide resources for property management cot increase due to additional properties / wet weather properties.
30		445	GENERAL	General Increase	\$ 58,579.00	This represents the cost of a general 2% increase to non-personnel spending for those object codes not otherwise noted. This is straight 2% and is based on pricing changes experienced in the last 12 months.
31		446	7276	Disposal	\$ 55,000.00	This increase represents an expected increase based on the Rumpke contract.
32		445	7276	Disposal	\$ 53,000.00	This increase represents an expected increase based on the Rumpke contract.
33		444	7256	Electrical Machinery	\$ 50,150.00	This increase reflects use exceeding amounts that have previously been budgeted for repair of electrical machinery. Westside facilities are using outdated equipment and make comparable other MSD facilities, and are need of an extensive upgrade.
34		442	7289	Expert Services - NOC	\$ 50,000.00	This increase is related to engaging an energy consulting service. Contract for purchase of block energy; for all facilities
35		442	7361	Mechanical and Plan Supplies	\$ 50,000.00	This increase reflects a price spike for skim bags. Contract ended and bidding out. Bags are needed as a high priority odor control issue at Mill Creek.
36		449	7359	Chemicals - NOC	\$ 50,000.00	This increase is due to new MSD facilities making use of chemicals not previously in MSD's inventory.
37		444	7299	Sundry Contractual Services	\$ 43,460.00	This increase is related to additional tank cleaning expenses. Need to be proactive as this is causing a safety risk; Causing wear and tear on pumps that can cause damage; will be more costly if damage occurs.
38		447	7289	Expert Services - NOC	\$ 40,850.00	This expansion of expert services spending would permit additional wet well cleaning as well as crane training.
39		447	7276	Disposal	\$ 40,800.00	This increase represents an expected increase based on the Rumpke contract.

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40		449	7248	Power	\$ 39,500.00	This increase reflects an anticipated utilities price
41		445	7248	Power	\$ 39,466.08	This increase reflects an anticipated utilities price
42		460	7452	Subscription and Memberships	\$ 36,680.00	This increase would support additional expense related to regulator organization membership projected in CY 2022.
43		445	7383	Technical Equipment	\$ 35,000.00	This request reflects Wastewater Treatment projections on equipment replacements required at this facility in CY 2022.
44		446	7248	Power	\$ 33,493.56	This increase reflects an anticipated utilities price
45		444	7257	Pumping Machinery	\$ 30,960.00	This increase reflects use exceeding amounts that have previously been budgeted.
46		443	GENERAL	General Increase	\$ 30,751.00	This represents the cost of a general 2% increase to non-personnel spending for those object codes not otherwise noted. This is straight 2% and is based on pricing changes experienced in the last 12 months.
47		449	GENERAL	General Increase	\$ 30,119.50	This represents the cost of a general 2% increase to non-personnel spending for those object codes not otherwise noted. This is straight 2% and is based on pricing changes experienced in the last 12 months.
48		410	7281	Legal Services	\$ 26,829.00	This request is an increase related to anticipated costs as a result of Phase 2A
49		446	7212	Telephone	\$ 26,290.00	This increase is due to four new SCADA/Business lines and the need for new mobile device purchases for improved operations in Westside facilities.
50		443	7354	Chlorine	\$ 25,912.00	This increase is due to the massive demand spike for these necessary chemicals due to COVID related
51		431	7316	Computer Peripherals	\$ 25,000.00	This increase is requested based on IT reported usage trends.
52		443	7241	Gas	\$ 24,750.00	This increase reflects an anticipated utilities price
53		442	7276	Waste Disposal	\$ 24,000.00	This increase represents an expected increase based on the Rumpke contract.
54		445	7391	Plumbing Machinery Parts	\$ 21,000.00	This increase reflects use exceeding amounts that have previously been budgeted for repair of plumbing machinery parts
55		447	7258	Building Repairs- Equipment	\$ 21,000.00	This increase would permit greater generator repairs and service.
56		446	7359	Chemicals - NOC	\$ 20,490.00	This increase would add grease blocks/PACL for Ft. Scott.
57		410	7452	Subscriptions and Memberships	\$ 20,482.00	Professional memberships maintained by MSD for compliance purposes are expected in increase in cost for FY 2022.
58		446	7256	Electrical Machinery	\$ 20,195.00	This amount is requested for Ft. Scott repairs and to replace aging equipment.

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59		449	7212	Telephone	\$ 20,000.00	These increased resources are required for the Telemetry upgrades project.
60		445	7258	Building Repairs and Equipment	\$ 19,700.00	This increase is due to the plant having inherited the responsibility to care for the on-site generators.
61		444	GENERAL	General Increase	\$ 18,640.32	This represents the cost of a general 2% increase to non-personnel spending for those object codes not otherwise noted. This is straight 2% and is based on pricing changes experienced in the last 12 months.
62		460	7398	Building Equipment Parts	\$ 18,000.00	Requested increase based on historical spend and spent to date.
63		447	7248	Power	\$ 17,994.24	This increase reflects an anticipated utilities price
64		446	7381	Household and Office Furniture	\$ 15,000.00	This increase would provide for additional office furniture and tool organization.
65		447	GENERAL	General Increase	\$ 14,591.76	This represents the cost of a general 2% increase to non-personnel spending for those object codes no This is straight 2% and is based on pricing changes experienced in the last 12 months. t otherwise noted.
66		420	7215	Training	\$ 14,500.00	These resources would provide BIM training for employees on 3D models.
67		460	7253	Technical Repairs	\$ 14,400.00	This request would provide resources for Sampling equipment maintenance.
68		460	7212	Telephone	\$ 14,018.00	This increase would compensate for the increased Telcom costs from ETS.
69		446	7278	Grounds Maintenance	\$ 12,000.00	This represents an increase to provide an appropriation for an expense that is not presently budgeted regarding lawn care. Need to contract out lawn care to use employees to do mission critical maintenance of facilities.
70		460	7434	Tuition Reimbursement	\$ 12,000.00	This expense was not previously budgeted, but is now required due to policy change mid-year.
71		450	7266	Water	\$ 12,000.00	This increase is requested to maintain water at the Lick Run Greenway.
72		430	7211	Postage	\$ 11,500.00	This increase would provide resources for an ongoing expense that is presently unbudgeted.
73		446	7258	Building Repairs and Equipment	\$ 10,452.00	This amount is requested for AC upgrades from window units and new locks.
74		446	7259	Equipment Repair NOC	\$ 10,091.00	This amount is requested for Ft. Scott repairs and to replace aging equipment.
75		431	7212	Telephone	\$ 10,000.00	These increased costs are due to increases to Duo access fees for remote work linked to COVID-19.
76		431	7367	Software	\$ 10,000.00	These increased costs are due to IT reports on usage trends.

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77		444	7259	Equipment Repair NOC	\$ 10,000.00	This increase reflects use exceeding amounts that have previously been budgeted.
78		444	7278	Grounds Maintenance	\$ 10,000.00	This request would fulfill a request for dike maintenance.
79		460	7279	Cleaning - Waste Removal	\$ 9,824.00	This increase reflects use exceeding amounts that have previously been budgeted.
80		449	7213	Travel Expense Local	\$ 8,980.00	The division has identified additional training opportunities for employees in this facility, and this increase would provide resources to pursue those opportunities.
81		430	7215	Training	\$ 8,900.00	The division has identified additional training opportunities for employees in this facility, and this increase would provide resources to pursue those opportunities.
82		449	7215	Training	\$ 8,500.00	The division has identified additional training opportunities for employees in this facility, and this increase would provide resources to pursue those opportunities.
83		442	7354	Chlorine	\$ 8,200.00	This increase is due to the massive demand spike for these necessary chemicals due to COVID related
84		449	7214	Travel Expense Non-Local	\$ 8,000.00	This increase would provide for technical conference training.
85		460	7258	Building Repairs and Equipment	\$ 7,574.00	This increase reflects use exceeding amounts that have previously been budgeted.
86		410	7289	Expert Services - NOC	\$ 7,500.00	The division has projected a generalized price increase for these services in CY 2022.
87		430	7212	Telephone	\$ 6,899.00	These increased costs are due to increases to Duo access fees.
88		430	7214	Travel Expense Non-Local	\$ 5,500.00	The division has identified additional training opportunities for employees in this facility, and this increase would provide resources to pursue those opportunities.
89		442	7366	Training Aids	\$ 5,500.00	This increase represents additional costs for motor starter trainers.
90		444	7241	Gas	\$ 5,250.00	This increase reflects an anticipated utilities price
91		460	7241	Gas	\$ 5,131.00	This increase reflects an anticipated utilities price
92		446	7362	Tools and Testing Instruments	\$ 5,108.00	This increase is request for additional required tools.
93		446	7411	Rent - Building Office	\$ 5,000.00	This increase would permit the rental of a trailer.
94		450	7248	Electric	\$ 5,000.00	This increase is requested to maintain power at the Lick Run Greenway.
95		460	7254	Automotive by Municipal Garage	\$ 4,715.00	Based on 2021 costs to date, need to increase for 2022
96		450	7214	Travel Expenses - Non-Local	\$ 3,400.00	This increase would permit attendance at the Ohio Stormwater Conference.

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97		442	7289	Expert Services - NOC	\$ 3,000.00	This amount was a required increase for boiler, elevator and hoist inspections.
98		445	7241	Gas	\$ 3,000.00	This increase reflects an anticipated utilities price
99		441	GENERAL	General Increase	\$ 2,023.00	This represents the cost of a general 2% increase to non-personnel spending for those object codes not otherwise noted.
100		450	7452	Subscriptions and Memberships	\$ 1,900.00	Professional memberships maintained by MSD for compliance purposes are expected to increase in cost for FY 2022.
101		450	7215	Training	\$ 1,100.00	This increase would permit attendance at the Ohio Stormwater Conference.