

Monthly Executive Report

Financial & Capital Program Updates

As of April 30, 2023



MONTHLY EXECUTIVE REPORT
April 30, 2023

NOTE TO THE READER:

The following Monthly Executive Report is prepared and used by Louisville MSD for purposes of updating its governing Board of Directors of various operational and financial matters regarding Louisville MSD on a monthly basis. The Report is not prepared to help investors decide whether to purchase or sell financial obligations of Louisville MSD. As such, the Report contains unaudited financial information that may change after the date of the Report. In addition, the Report contains forward-looking statements in the form of financial and operating budgets, performance targets, and other information. These statements are not a guarantee of future performance and actual results may differ. Investors should not consider the enclosed Report a recommendation to purchase or sell financial obligations of Louisville MSD. The Report does not present a complete summary of Louisville MSD's financial or operational position to investors and should not be used in that manner.

MONTHLY EXECUTIVE REPORT

April 30, 2023

Table of Contents

Table of Contents	3
SECTION 1: EXECUTIVE SUMMARY	6
FINANCIAL HEALTH.....	6
CAPITAL PROGRAM HEALTH	7
SECTION 2: FINANCIAL REPORT	8
APRIL FINANCIAL SUMMARY	8
FINANCIAL STATEMENTS – FY23.....	9
Comparative Statement of Net Position	9
Statement of Revenues, Expenses & Change in Net Position	10
Statement of Cash Flows.....	11
Actual vs. Budget Operating and Maintenance Expenses.....	12
SUPPLEMENTAL FINANCIAL REPORTING.....	13
Revenue by Customer Class	13
Wastewater Revenue by County.....	13
Headcount.....	14
Cash Balances.....	15
Current Investment Model	16
Monthly Investment Activity.....	17
Commercial Paper Program Summary	18
ONE WATER REPORT	19
SECTION 3: CAPITAL PROGRAM PERFORMANCE	20
FY23 CAPITAL BUDGET BASIS	20
CIP Priorities for Operations	20
FY23 CIP OVERALL PERFORMANCE	21
Challenges to CIP Execution.....	22
MONTHLY PROJECT ACTIVITIES	23
Emergency Contracts to Repair Infrastructure Damage	23
Projects Removed from Cashflow	25
Major Project Highlights	25
CIP MANAGEMENT TEAM MEETING HIGHLIGHTS	27
CHANGE MANAGEMENT ACTIVITIES	27
Notice of Advisement (NOA).....	27
PROCUREMENT ACTIVITIES	28
Upcoming Construction Bid Openings	28
Bid Openings	29
Construction - Notice to Proceeds (NTP) Issued	29

Acronyms & Abbreviations

B	Billions
BCE	Business Case Evaluation
BOD	Biochemical Oxygen Demand
BMP	Best Management Practice
BRIC	Building Resilient Infrastructure & Communities Grant Program
CCWQTC	Cedar Creek Water Quality Treatment Center
CD	Consent Decree
CIP	Capital Improvement Program
CMF	Centralized Maintenance Facility
CMOM	Capacity, Management, Operations, and Maintenance Program
CP	Commercial Paper
CRRP	Critical Repair and Replacement Plan
CSF	Critical Success Factor
CSO	Combined Sewer Overflow
CSS	Combined Sewer System
DOW	Kentucky Department of Water
DRGWQTC	Derek Guthrie Water Quality Treatment Center
DRI	Drainage Response Initiative
EAC	Estimate-at-Completion
EAP	Early Action Plan
ENV	Environmental
EPA	Environmental Protection Agency
EPM	Enterprise Program Manager
FEMA	Federal Emergency Management Agency
FEPS	Final Effluent Pump Station
FFWQTC	Floyds Fork Water Quality Treatment Center
FM	Force Main
FPS	Flood Pump Station
FY	Fiscal Year
GASB	General Accounting Standards Board
GIS	Geographical Information System
HCWQTC	Hite Creek Water Quality Treatment Center
HSE	Health and Safety Evaluation
HVAC	Heating, Ventilation, and Air Conditioning
ID	Project Budget Identification Number
IOAP	Integrated Overflow Abatement Plan
IT	Information Technology
KPDES	Kentucky Pollutant Discharge Elimination System
LG	Louisville Green Biosolids Processing System
LOJIC	Louisville Jefferson County Information Center
LTCP	Long Term Control Plan
LWC	Louisville Water Company
M	Millions
MBE/WBE	Minority Owned Business Enterprise/Women Owned Business Enterprise
MCC	Motor Control Center
MEB	Morris Forman WQTC Maintenance Equipment Building
MHI	Median Household Income
MFWQTC	Morris Forman Water Quality Treatment Center
MS4	Municipal Separate Storm Sewer System Program
MSD	Metropolitan Sewer District

Acronyms & Abbreviations - Continued

NOA	Notice of Advisement
NOI	Net Operating Income
NTP	Notice to Proceed
OC	Oldham County
OCEA	Oldham County Environmental Agency
PM	Project Manager
PMIS	Project Information Management System
PSC	Property Service Connection
PS	Pump Station
Q	Quarter of Year
RAS	Return Activated Sludge
RFP	Request for Proposals
RR	Repair and Replacement
RTC	Real Time Control
SCADA	Supervisory Control and Data Acquisition
SIFMA	Securities Industry and Financial Markets Association
SRF	State Revolving Loan Fund Program
SSDP	Sanitary Sewer DP
SWPS	Southwestern Pump Station
TBD	To Be Determined
TSS	Total Suspended Solids
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VFD	Variable Frequency Drive
WIFIA	Water Infrastructure Finance and Innovation Act
WQTC	Water Quality Treatment Center
WWTF	Wet Weather Treatment Facility
WWPS	Wastewater Pump Station
YTD	Year-to-Date

SECTION 1: EXECUTIVE SUMMARY

The Louisville and Jefferson County Metropolitan Sewer District (MSD) provides wastewater, stormwater and flood protection services to a population of nearly 800,000 throughout the service area. The MSD operating budget supports the day-to-day operation and maintenance of all infrastructure, while the capital budget supports the infrastructure investments through its Capital Improvement Program (CIP). The organization continues to complete important projects; comply with Consent Decree and regulatory requirements; and repair/replace critical assets. This report provides a summary of the financial position and the progress made through April 2023, with respect to Fiscal Year 2023 (FY23) program health and regulatory compliance.

FINANCIAL HEALTH

A high-level summary of key financial information is presented in the table below. More detailed information is presented in Section 2 of this report.

Summary of FY23 Financial Information

Description	Status as of April 30, 2023
Operating Revenues	Total Operating Revenues are \$9.8 million favorable to budget year-to-date. Wastewater service charges account for \$7.1 million of this budget variance.
Operating Expenses	Total Operating Expenses are \$10.7 million favorable to budget year-to-date. Salaries and labor-related overhead account for \$5.7 million of the savings to budget. Contract Services and Chemicals make up the majority of the remainder.
Interest Expense	Total Interest Expense is \$2.5 million favorable to budget year-to-date. This savings is being driven by lower swap interest payments.
Statement of Cash Flows	Cash and cash equivalents decreased \$14.0 million in April. Net cash provided by operating activities was \$16.6 million. Net cash used by capital-related financing activities was \$16.3 million, primarily to fund construction in process. Net cash used by investing activities was \$14.3 million as excess cash was re-invested.
Commercial Paper Notes	Commercial paper notes outstanding total \$110 million with an average term of 25 days.

MONTHLY EXECUTIVE REPORT
April 30, 2023

CAPITAL PROGRAM HEALTH

A high-level summary of the status of key programs and initiatives is presented in the table below. More detailed information is presented in Section 3 of this report.

Summary of FY23 Capital Program Performance To-date

Key Programs and Initiatives	Status as of April 30, 2023
Consent Decree and Agreed Order Compliance	All Consent Decree and Agreed Order deadlines have been satisfied through the reporting period.
Emergency Repairs & Reactive Equipment Replacements	One (1) emergency project started in the reporting period. The emergency at HCWQTC will repair a collapsed 8-inch sewer. The estimated cost for the project is \$50k.
Cashflow Performance*	Budget Performance Target is \$191.8M as of April 30, 2023. The FY23 Spending Projection is \$175.0M
Change Management Notice of Advisements (NOAs)	Nineteen (19) NOAs were processed this month in the following advisement categories: eleven (11) new projects, six (6) EAC changes, eleven (11) budget impact, three (3) construction advancements, and one (1) scope changes. Note: A NOA can have more than one advisement category.

*Discussion on Performance Target and Budget Ceiling is found in the Capital Program Performance Section

SECTION 2: FINANCIAL REPORT

The Financial Report is prepared monthly to provide readers with a high-level understanding of MSD's financial position. This report contains information on the following:

- Monthly financial results for April 2023
- Customer Statistics
- Employee Headcount
- Cash Balances
- Investment Summary
- Commercial Paper Program Summary
- One Water Financial Report

APRIL FINANCIAL SUMMARY

Financial Highlights for the month of April 2023

- Total operating revenues were \$1.2 million favorable to budget
- Service and administrative expenses were \$634 thousand favorable to budget

Results of Operations for the month of April 2023

Total operating revenues were \$1.2 million favorable to budget and \$3.6 million more than April 2022. Wastewater service charges were \$1.3 million favorable to budget and \$2.3 million more than April 2022. Drainage service charges were \$197 thousand unfavorable to budget and \$959 thousand more than April 2022. Other operating revenues were \$182 thousand favorable to budget and \$328 thousand more than April 2022. Year to date, total operating revenues were \$9.8 million favorable to budget (wastewater service charges \$7.1 million, drainage service charges \$737 thousand and other operating income \$2.0 million).

Service and administrative expenses were \$634 thousand favorable to budget and \$3.9 million more than April 2022. Year to date, service and administrative expenses were \$10.7 million favorable to budget. Salaries and Labor Related Overhead account for \$5.7 million of the savings to budget. Contract Services and Chemicals make up most of the remaining budget savings.

Depreciation and amortization expenses were \$209 thousand unfavorable to budget and \$476 thousand more than April 2022. Year to date, depreciation and amortization expenses were \$3.1 million unfavorable to budget. Depreciation expense is being driven by the large number of capital projects that were placed in service in June of 2022 including the Waterway Protection Tunnel.

Investment income was \$556 thousand favorable to budget and \$1.1 million more than April 2022. Year to date, investment income was \$5.6 million favorable to budget.

Interest expense was \$270 thousand favorable to budget and \$25 thousand less than April 2022. Year to date, interest expense was \$2.5 million favorable to budget. Interest expense savings are being driven by lower swap payments.

Statement of Cash Flows

Cash and cash equivalents decreased \$14.0 million in April. Net cash provided by operating activities was \$16.6 million. Net cash used by capital-related financing activities was \$16.3 million, primarily to fund construction in process. Net cash used by investing activities was \$14.3 million as excess cash was re-invested.

MONTHLY EXECUTIVE REPORT
April 30, 2023

FINANCIAL STATEMENTS – FY23

Comparative Statement of Net Position

Louisville & Jefferson County Metropolitan Sewer District Monthly Comparative Statement of Net Position Month Ended, April 30, 2023				
	YTD Apr-2023	YTD Apr-2022	Variance	Percent
Current Assets				
Unrestricted Cash & Cash Equivalents	\$109,375,466	\$126,037,634	(\$16,662,168)	-13.22%
Sewer & Drainage Receivable	28,253,650	26,548,055	1,705,595	6.42%
Assessment Warrants Receivable	143,609	178,470	(34,862)	-19.53%
Miscellaneous Receivables	622,780	(4,085,654)	4,708,434	-115.24%
Inventories	5,690,665	5,254,927	435,738	8.29%
Prepaid Expenses	3,675,946	3,648,132	27,813	0.76%
Restricted Funds	178,968,518	184,965,876	(5,997,357)	-3.24%
Accrued Interest Receivable	340,553	231,208	109,345	47.29%
Total Current Assets	327,071,188	342,778,649	(15,707,461)	-4.58%
Non-Current Assets				
Utility Plant in Service	4,730,629,388	4,339,665,711	390,963,676	9.01%
Accumulated Depreciation	(1,647,379,277)	(1,548,323,443)	(99,055,834)	6.40%
Construction in Progress	569,847,260	724,496,196	(154,648,936)	-21.35%
Net Fixed Assets	3,653,097,371	3,515,838,464	137,258,907	3.90%
Non-Current Receivables	20,970,651	24,962,502	(3,991,851)	-15.99%
Total Assets	4,001,139,210	3,883,579,615	117,559,595	3.03%
Total Deferred Outflow of Resources	68,936,665	85,746,716	(16,810,051)	-19.60%
Total Assets & Deferred Outflow of Resources	4,070,075,875	3,969,326,331	100,749,544	2.54%
Current Liabilities				
Miscellaneous Accounts Payable	8,488,578	6,167,330	2,321,248	37.64%
Accounts Payable - Construction	6,448,543	4,512,832	1,935,712	42.89%
Contract Retainage	5,864,436	11,614,651	(5,750,215)	-49.51%
Accrued Interest Payable	46,838,903	45,742,780	1,096,123	2.40%
Current Maturities of Bonds Payable	52,880,000	51,480,000	1,400,000	2.72%
Current Maturities of Subordinate Debt	1,428,690	2,027,100	(598,411)	-29.52%
Deposits Payable	2,118,674	2,397,966	(279,292)	-11.65%
Accrued Salaries & Wages	1,823,389	1,412,522	410,867	29.09%
Accrued Workers' Comp Insurance	1,237,586	1,958,277	(720,692)	-36.80%
Employee Comp Absences Payable	4,939,835	4,668,609	271,225	5.81%
Total Current Liabilities	132,068,633	131,982,068	86,566	0.07%
Non-Current Liabilities				
Long-Term Senior Debt Payable	2,228,405,000	2,281,285,000	(52,880,000)	-2.32%
Long-Term Subordinate Debt Payable	385,020,628	297,440,502	87,580,126	29.44%
Other Long-Term Liability	274,581,936	337,693,064	(63,111,128)	-18.69%
Total Non-Current Liabilities	2,888,007,564	2,916,418,565	(28,411,002)	-0.97%
Total Liabilities	3,020,076,197	3,048,400,633	(28,324,436)	-0.93%
Total Deferred Inflow of Resources	52,222,332	9,883,911	42,338,421	428.36%
Total Liabilities & Deferred Inflow of Resources	3,072,298,529	3,058,284,544	14,013,985	0.46%
Net Position	997,777,345	911,041,786	86,735,559	9.52%
Total Liabilities, Deferred Inflow of Resources and Net Position	4,070,075,875	3,969,326,331	100,749,544	2.54%

MONTHLY EXECUTIVE REPORT

April 30, 2023

Statement of Revenues, Expenses & Change in Net Position

Louisville & Jefferson County Metropolitan Sewer District							
Monthly Statement of Revenues, Expenses, and Changes in Net Position							
Month Ended, April 30, 2023							
	YTD	YTD	YTD	% YTD	YTD	YTD	% YTD
	Actual	Budget	Variance	Variance	Prior Year	Variance	Variance
Wastewater Charges							
Residential	\$ 139,277,125	\$ 136,491,277	\$ 2,785,849	2.0%	\$ 131,202,572	\$ 8,074,553	6.2%
Commercial	78,809,476	75,020,885	3,788,591	5.1%	71,803,851	7,005,625	9.8%
Industrial	20,680,903	20,401,763	279,140	1.4%	19,582,797	1,098,107	5.6%
Other Wastewater	7,632,714	6,384,797	1,247,917	19.5%	6,440,516	1,192,197	18.5%
Free Wastewater Charges	(4,126,327)	(3,118,387)	(1,007,939)	32.3%	(3,433,200)	(693,127)	20.2%
Total Wastewater Charges	242,273,892	235,180,335	7,093,557	3.0%	225,596,536	16,677,355	7.4%
Drainage							
Residential	28,603,040	27,921,639	681,401	2.4%	26,340,184	2,262,856	8.6%
Commercial	43,670,694	43,897,288	(226,594)	-0.5%	40,486,993	3,183,701	7.9%
Industrial	5,156,022	5,005,181	150,841	3.0%	4,721,691	434,331	9.2%
Other Stormwater	3,556,053	3,253,642	302,411	9.3%	3,135,765	420,288	13.4%
Free Stormwater Charges	(2,417,811)	(2,246,342)	(171,470)	7.6%	(2,233,941)	(183,870)	8.2%
Total Drainage Charges	78,567,997	77,831,408	736,589	0.9%	72,450,691	6,117,306	8.4%
Total Service Charges	320,841,889	313,011,743	7,830,146	2.5%	298,047,227	22,794,661	7.6%
Other Operating Income	5,742,674	3,873,682	1,868,992	48.2%	7,315,945	(1,573,271)	-21.5%
Total Operating Revenue	326,584,563	316,885,425	9,699,138	3.1%	305,363,173	21,221,390	6.9%
Operating Expenses							
Salaries & Wages	47,562,200	51,380,139	(3,817,940)	-7.4%	44,654,477	2,907,723	6.5%
Labor Related Overhead	22,075,592	23,954,568	(1,878,976)	-7.8%	20,998,782	1,076,810	5.1%
Utilities	15,623,647	14,764,889	858,758	5.8%	13,715,422	1,908,225	13.9%
Materials & Supplies	6,912,457	7,351,670	(439,214)	-6.0%	6,384,419	528,038	8.3%
Contractual Services	25,211,109	29,936,507	(4,725,397)	-15.8%	25,692,233	(481,124)	-1.9%
Chemicals	6,063,519	7,712,433	(1,648,914)	-21.4%	5,294,812	768,708	14.5%
Fuel	1,468,765	1,804,373	(335,609)	-18.6%	1,271,387	197,377	15.5%
Insurance Premiums & Claims	6,282,191	5,231,205	1,050,986	20.1%	5,524,529	757,662	13.7%
Bad Debt	3,469,608	2,946,078	523,530	17.8%	3,857,360	(387,752)	-10.1%
Other Operating Expense	1,589,132	1,940,498	(351,366)	-18.1%	1,218,091	371,041	30.5%
Mapping/Insurance Recovery	-	-	-	0.0%	-	0	0.0%
Capitalized Overhead	(32,436,104)	(35,283,166)	2,847,062	-8.1%	(31,877,152)	(558,952)	1.8%
Capital Expenses (over)/under applied							
Net Service and Administrative Costs	103,822,115	111,739,194	(7,917,079)	-7.1%	96,734,360	7,087,755	7.3%
Depreciation	89,436,296	86,216,670	3,219,626	3.7%	82,497,608	6,938,688	8.4%
Amortization	1,302,012	1,424,273	(122,261)	-8.6%	1,220,914	81,098	6.6%
Total Depreciation/Amortization	90,738,308	87,640,943	3,097,365	3.5%	83,718,522	7,019,786	8.4%
Total Operating Expenses	194,560,423	199,380,137	(4,819,714)	-2.4%	180,452,882	14,107,541	7.8%
Net Operating Income	132,024,140	117,505,288	14,518,852	12.4%	124,910,291	7,113,850	5.7%
Non-Operating Revenue (Expenses)							
Gain/Loss Disposal of Assets	(2,759,280)	1,000	(2,760,280)	-276028.0%	125,827	(2,885,107)	-2292.9%
Investment Income	15,216,348	9,604,000	5,612,348	58.4%	6,701,456	8,514,893	127.1%
Interest Expense	(77,321,030)	(86,296,134)	8,975,104	-10.4%	(78,938,211)	1,617,181	-2.0%
Total Non-Operating Revenue (Expenses)	(64,863,963)	(76,691,134)	11,827,171	-15.4%	(72,110,929)	7,246,966	-10.0%
Contributions	1,822,194.48	-	1,822,194	0.0%	327,016	(1,495,179)	457.2%
Change in Net Position Before Swaps	68,982,372	40,814,154	28,168,218	69.0%	53,126,377	(15,855,995)	29.8%
Change in Fair Value of Swaps	3,929,252	-	3,929,252	0.0%	10,149,791	6,220,539	-61.3%
Change in Net Position After Swaps	\$ 72,911,624	\$ 40,814,154	\$ 32,097,470	78.6%	\$ 63,276,168	\$ (9,635,456)	15.2%

MONTHLY EXECUTIVE REPORT

April 30, 2023

Statement of Cash Flows

Louisville and Jefferson County Metropolitan Sewer District		
Statement of Cash Flows		
For the Month Ended, April 30, 2023		
	FY 2023 YTD	FY 2022 YTD
Cash Flows from Operating Activities		
Cash received from customers	\$ 323,968,493	\$ 307,067,633
Cash paid to suppliers	(59,292,979)	(62,587,259)
Cash paid to employees	(49,590,274)	(46,701,501)
Net Cash Provided by Operating Activities	215,085,240	197,778,873
Cash Flows from Capital and Related Financing Activities		
Proceeds from issuance of revenue bonds	1,833,900	248,821,124
Proceeds from issuance of bond anticipation note	229,468,019	232,924,231
Proceeds from issuance of commercial paper	350,000,000	335,000,000
Proceeds from issuance of notes	-	-
Proceeds from issuance of other subordinated debt	-	7,824,445
Payments for retirement of revenue bonds	-	(4,023,022)
Payments for retirement of bond anticipation note	(226,340,000)	(226,340,000)
Payments for retirement of commercial paper	(290,000,000)	(465,000,000)
Payments for retirement of notes	-	-
Payments for retirement of other subordinated debt	(2,665,732)	(1,440,741)
Payments for interest expense	(58,149,447)	(56,405,255)
Payments for interest on swaps	(3,631,026)	(8,255,809)
Build America bond interest subsidy	9,155,125	8,628,039
Proceeds from capital grants	-	-
Proceeds from sale of capital assets	(2,759,280)	125,827
Payments for capital assets	(172,740,268)	(168,854,483)
Proceeds from assessments	766,556	1,082,609
Net Cash Provided (Used) by Capital and Related Financing	(165,062,154)	(95,913,035)
Cash Flows from Investing Activities		
Purchase of investments	(114,231,284)	(117,021,686)
Maturity of investments	127,215,895	46,293,794
Investment income	3,943,227	1,347,788
Net Cash Provided (Used) by Investing Activities	16,927,838	(69,380,104)
Net Increase (Decrease) in Cash and Cash Equivalents	66,950,924	32,485,734
Cash and Cash Equivalents, Beginning of Year	71,854,355	101,985,796
Cash and Cash Equivalents, End of Year	\$ 138,805,279	\$ 134,471,530
Reconciliation of Operating Income to Net Cash provided by Operating Activities		
Income from operations	\$ 132,024,140	\$ 124,910,291
Adjustments to reconcile operating income to net cash provided by operating activities		
Depreciation and amortization	90,738,308	83,718,522
Accounts receivable	(2,814,641)	2,063,112
Inventories	(428,384)	(168,840)
Prepaid expense	(726,874)	2,507,396
Accounts payable	(1,318,643)	(12,178,091)
Customer deposits	198,571	(358,651)
Accrued liabilities	(2,587,237)	(2,714,866)
Pension liability	-	-
OPEB liability	-	-
Net Cash Provided by Operating Activities	\$ 215,085,240	\$ 197,778,873
Non-Cash Capital Financing and Investing Activities		
Contribution of plant, lines and other facilities by developers and property owners	\$ -	\$ -
Construction costs in accounts payable	12,312,979	(16,127,482)
Change in fair value of investments	(2,109,943)	3,549,345
Decrease in interest rate swap deferred revenue	(414,126)	(414,126)
Change in fair value - swap agreements	(3,929,252)	(10,149,791)
Bonds issued for refunding of debt	-	246,555,000

MONTHLY EXECUTIVE REPORT
April 30, 2023

SUPPLEMENTAL FINANCIAL REPORTING

Revenue by Customer Class

	Number of Customers		Revenue by Customer Class		Budget By Customer Class	
	Apr-2023	Apr-2022	Apr-2023	Apr-2022	Apr-2023	Apr-2022
Wastewater						
Residential	236,075	234,296	14,342,605	12,954,891	13,434,218	13,424,441
Commercial	21,963	21,840	6,502,414	5,561,836	6,023,814	5,486,082
Industrial	400	400	2,018,522	1,961,127	2,030,344	2,084,156
Sub-Total	258,438	256,536	22,863,541	20,477,854	21,488,376	20,994,679
Drainage						
Residential	210,715	209,288	3,186,411	2,847,404	3,018,362	2,992,199
Commercial	13,988	14,059	4,402,058	3,808,528	4,745,348	4,045,736
Industrial	280	271	482,850	465,606	493,561	479,425
Sub-Total	224,983	223,618	8,071,319	7,121,539	8,257,271	7,517,360
Grand Total			\$ 30,934,860	\$ 27,599,392	\$ 29,745,647	\$ 28,512,039

Wastewater Revenue by County

	Number of Customers		Revenue by Customer Class		Budget by Customer Class	
	Apr-2023	Apr-2022	Apr-2023	Apr-2022	Apr-2023	Apr-2022
Jefferson County						
Residential	224,602	224,125	13,639,818	12,249,727	12,760,399	12,690,746
Commercial	21,561	21,506	6,342,944	5,411,880	5,869,498	5,407,482
Industrial	398	398	2,015,726	1,958,828	2,027,666	2,084,066
Sub-Total	246,561	246,029	21,998,488	19,620,435	20,657,563	20,182,294
Bullitt County						
Residential	4,567	3,794	274,918	239,492	263,442	231,695
Commercial	163	115	108,861	102,640	104,523	26,000
Industrial	1	1	2,706	2,209	2,588	-
Sub-Total	4,731	3,910	386,484	344,342	370,553	257,695
Oldham County						
Residential	6,906	6,377	427,869	465,672	410,377	502,000
Commercial	239	219	50,609	47,316	49,793	52,600
Industrial	1	1	90	90	90	90
Sub-Total	7,146	6,597	478,569	513,078	460,260	554,690
Grand Total			\$ 22,863,541	\$ 20,477,854	\$ 21,488,376	\$ 20,994,679

MONTHLY EXECUTIVE REPORT

April 30, 2023

Headcount

The approved fiscal year 2023 operating budget fully funded 665 staffed positions, provided full funding for 40 vacant positions and provided partial funding for 92 vacant positions. There were 2 vacant positions that were not funded at all in the budget which brought the total Budget Approved positions to 797.

The Currently Authorized column includes any positions that have been added or moved since the budget was adopted.

The chart below shows staffing level by division as of April 30, 2023.

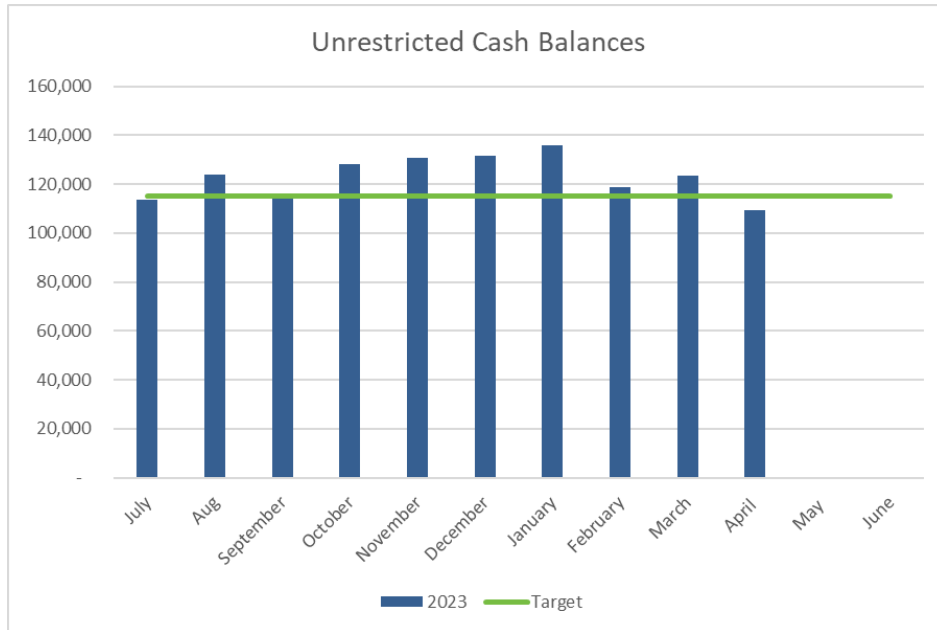
FY23 Headcount by Division			
	Budget Approved	Current Authorized	Filled
Administration			
Community Benefits & Partnerships	5	8	5
Customer Relations	22	21	17
Executive Offices	3	2	2
Government & Public Affairs	6	6	6
Innovation	3	4	3
Internal Audit	4	4	3
Records and Information Governance	9	9	7
Corporate	1	1	1
Engineering	101	99	90
Facilities, Safety & Security	30	36	27
Finance	19	20	18
Human Resources	21	21	19
Information Technology	32	33	26
Legal	12	10	9
Operations	502	501	427
Supply Chain & Economic Inclusion	27	27	23
Total Authorized Positions	797	802	683
*Excludes temporary & seasonal staff			

MONTHLY EXECUTIVE REPORT

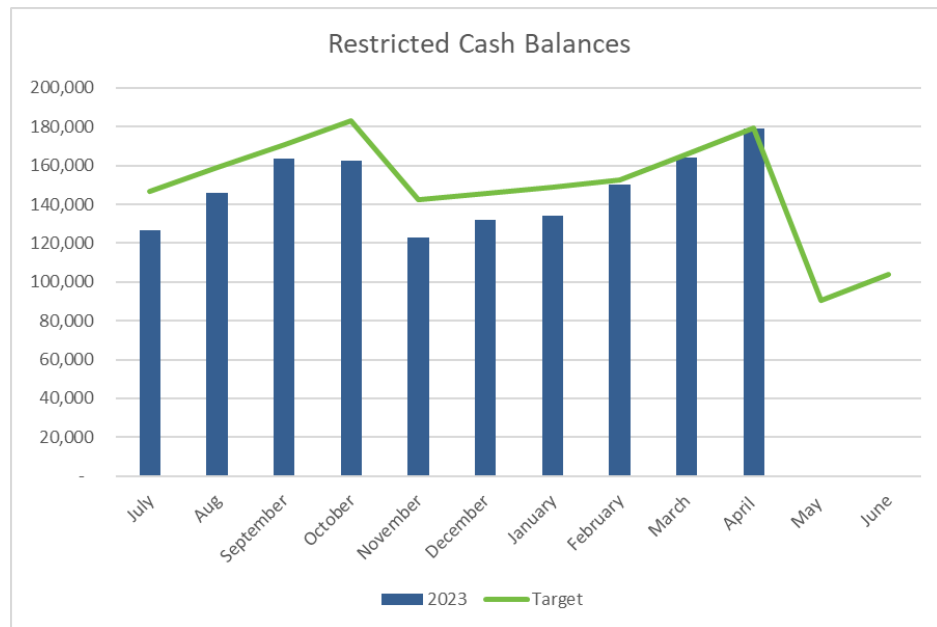
April 30, 2023

Cash Balances

Unrestricted cash & cash equivalents generated from service fees and our operating income are used to pay for operating expenses. Unrestricted cash balance is a measure of financial health and supports the underlying credit rating. Low cash balances indicate poor flexibility and inability to manage contingencies.



Restricted cash & cash equivalents are reserved for the purpose of bond debt service, funding of capital construction, cost of issuance, and debt service reserves. MSD supplements its restricted debt service reserve cash and investments with a \$75 million bond surety policy to meet its required level of annual debt service reserve funding.



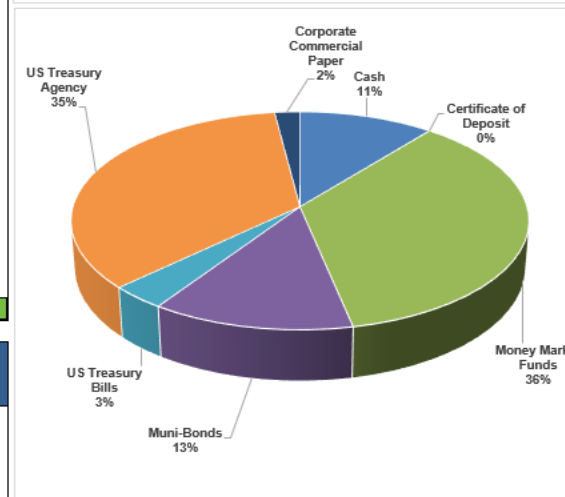
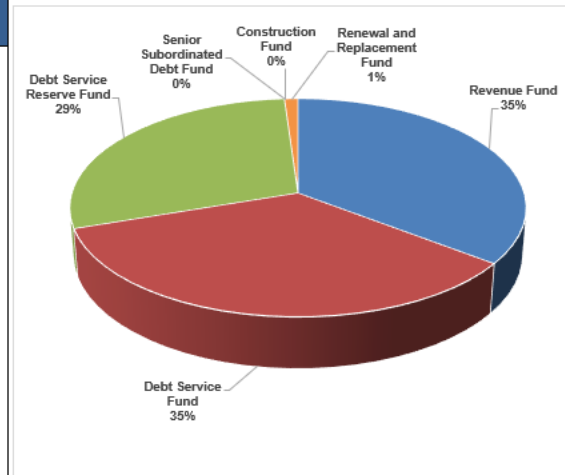
MONTHLY EXECUTIVE REPORT

April 30, 2023

Current Investment Model

MSD's Investment Policy requires distribution of a monthly investment report with an analysis of the status of the portfolio.

Series	Revenue Fund	Debt Service Fund	Debt Service Reserve Fund	Senior Subordinated Debt Fund	Construction Fund	Renewal and Replacement Fund	Total
2008A	-	-	968,596	-	-	-	968,596
2009A	-	-	4,391,835	-	-	-	4,391,835
2009B	-	-	13,793,486	-	-	-	13,793,486
2009C	-	5,111,039	13,303,821	-	-	-	18,414,860
2010A	-	8,760,278	17,668,458	-	-	-	26,428,737
2013A	-	1,997,093	27,838,687	-	-	-	29,835,780
2013B	-	3,610,366	-	-	-	-	3,610,366
2013C	-	118,643	99,041	-	-	-	217,684
2014A	-	1,496,055	-	-	-	-	1,496,055
2015A	-	3,504,465	153,625	-	-	-	3,658,090
2015B	-	3,920,968	-	-	-	-	3,920,968
2016A	-	2,917,212	-	-	-	-	2,917,212
2016B	-	2,298,999	-	-	-	-	2,298,999
2016C	-	12,503,392	-	-	-	-	12,503,392
2017A	-	8,375,092	1,492,299	-	-	-	9,867,391
2017B	-	1,557,068	-	-	-	-	1,557,068
2018A	-	1,046,523	-	-	-	-	1,046,523
2019A	-	8,782,063	-	-	-	-	8,782,063
2020A	-	3,623,365	2,187,647	-	-	-	5,811,011
2020C	-	2,092,708	-	-	-	-	2,092,708
2021A	-	14,120,775	-	-	-	-	14,120,775
2022A	-	4,609,669	-	-	2,381	-	4,612,050
2021 BAN	-	-	-	-	-	-	-
2022 BAN	-	4,788,850	-	-	-	-	4,788,850
2023A	-	1,833,900	-	-	-	-	1,833,900
Renewal & Replacement	-	-	-	-	-	3,045,906	3,045,906
CP 2018 A-1 & A-2	-	-	-	-	9,744	-	9,744
Cash	30,291,726	-	-	-	-	-	30,291,726
Certificate of Deposit	100,000	-	-	-	-	-	100,000
Money Market Funds	657,957	-	-	-	-	11,214	669,171
Muni-Bonds	-	-	-	-	-	-	-
US Treasury Bills	6,864,480	-	-	-	-	-	6,864,480
US Treasury Agency	58,471,290	-	-	-	-	-	58,471,290
Corporate Commercial Paper	3,182,528	-	-	-	-	-	3,182,528
Total	\$ 99,567,981	\$ 97,068,524	\$ 81,897,494	\$ -	\$ 12,125	\$ 3,057,121	\$ 281,603,245



Asset Description	Revenue Fund	Debt Service Fund	Debt Service Reserve Fund	Senior Subordinated Debt Fund	Construction Fund	Renewal and Replacement Fund	Total
Cash	30,291,726	-	-	-	-	-	30,291,726
Certificate of Deposit	100,000	-	-	-	-	-	100,000
Money Market Funds	657,957	97,068,524	3,422,456	-	12,125	11,214	101,172,276
Muni-Bonds	-	-	35,717,885	-	-	-	35,717,885
US Treasury Bills	6,864,480	-	-	-	-	3,045,906	9,910,386
US Treasury Agency	58,471,290	-	40,260,958	-	-	-	98,732,248
Corporate Commercial Paper	3,182,528	-	2,496,196	-	-	-	5,678,724
Total	\$ 99,567,981	\$ 97,068,524	\$ 81,897,494	\$ -	\$ 12,125	\$ 3,057,121	\$ 281,603,245

MONTHLY EXECUTIVE REPORT

April 30, 2023

Monthly Investment Activity

Following is a list of individual investment transactions executed over the last month. Unless otherwise noted, redemptions represent maturities of investments.

Account	Transaction Type	Category	Amount
Fifth Third Securities	Purchase	United States Treasury Bill	2,951,285.67
Fifth Third Securities	Purchase	United States Treasury Bill	3,904,411.89
Fifth Third Securities	Purchase	Federal Home Loan Bank	3,848,927.22
Fifth Third Securities	Purchase	Federal Farm Credit Bank Bond	4,005,400.00

MONTHLY EXECUTIVE REPORT

April 30, 2023

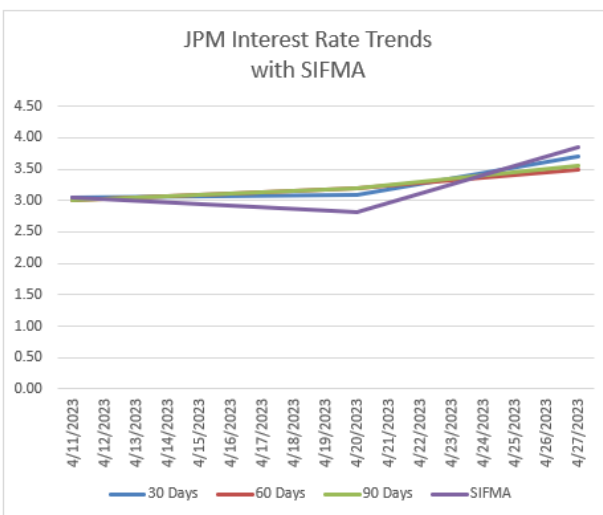
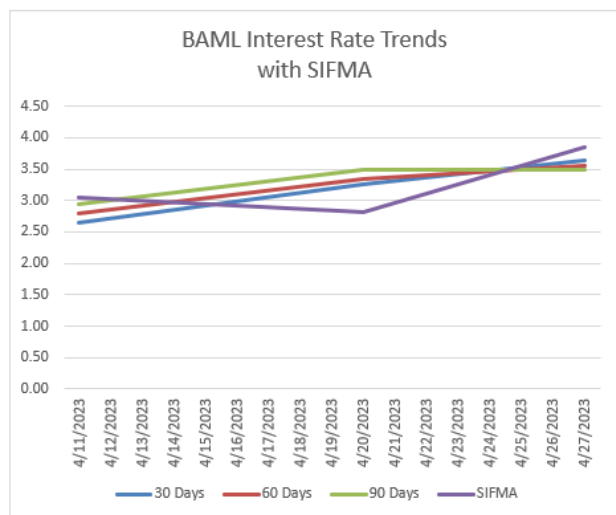
Commercial Paper Program Summary

MSD operates a \$500 million Commercial Paper (CP) program to provide interim financing for its capital program. Liquidity support is provided by JP Morgan Chase and Bank of America, NA. Merrill Lynch, Pierce, Fenner & Smith Inc and JP Morgan Securities are dealers for the program. In April, we had four notes mature that were replaced with new notes with an average rate of 3.31% and average terms of 60 days. In May, we have six notes maturing totaling \$60M.

The CP Construction Fund balance as of April 30th, was \$9,743.69. Outstanding CP notes are currently split 54.5% with JP Morgan and 45.5% with Bank of America.

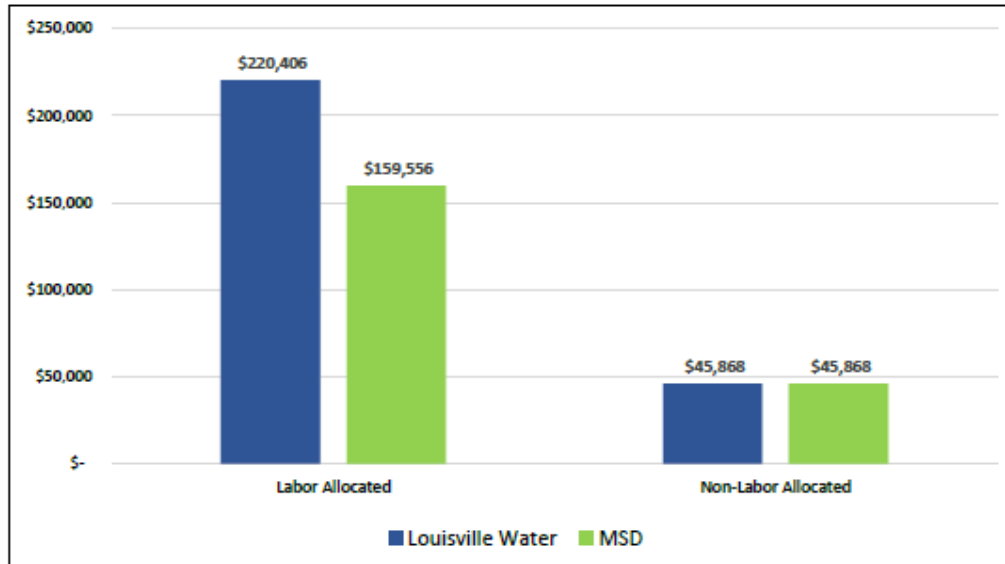
CP Issuance Details										
Currently Outstanding										
Issuance Date	CUSIP	Principal	Rate	Term (# of days)	Maturity Date	Dealer (JPM/BAML)	Interest Cost	New Issuance or Roll?	SIFMA Index	Spread over (under) SIFMA
2/2/2023	54658QDP6	10,000,000	2.80%	90	5/3/2023	JPM	69,041.10	Roll	1.87%	0.93%
2/13/2023	54658NDQ1	10,000,000	3.50%	84	5/8/2023	BAML	80,547.95	Roll	3.74%	-0.24%
2/16/2023	54658NDR9	10,000,000	3.45%	89	5/16/2023	BAML	84,123.29	Roll	3.98%	-0.53%
3/8/2023	54658QDR2	10,000,000	3.15%	54	5/1/2023	JPM	46,602.74	Roll	2.80%	0.35%
3/15/2023	54658QDS0	10,000,000	3.20%	55	5/9/2023	JPM	48,219.18	Roll	2.21%	0.99%
3/29/2023	54658NDS7	10,000,000	3.65%	33	5/1/2023	JPM	33,000.00	New	4.35%	-0.70%
4/12/2023	54658QDT8	10,000,000	2.85%	70	6/21/2023	JPM	54,657.53	Roll	3.04%	-0.19%
4/24/2023	54658QDU5	10,000,000	3.30%	58	6/21/2023	JPM	52,438.36	Roll	2.81%	0.49%
4/26/2023	54658NDT5	10,000,000	3.55%	56	6/21/2023	BAML	54,465.75	Roll	2.81%	0.74%
4/28/2023	54658NDU2	20,000,000	3.55%	54	6/21/2023	BAML	105,041.10	Roll	3.86%	-0.31%
Currently Outstanding: \$ 110,000,000							\$ 628,137			

The Securities Industry and Financial Markets Association (SIFMA) publishes a 7-day high-grade market index comprised of tax-exempt Variable Rate Demand Obligations (VRDOs) with certain characteristics. The Index is calculated and published by Bloomberg and is overseen by SIFMA's Municipal Swap Index Committee. The SIFMA is a short-term interest rate index that MSD uses to gauge the interest rates we receive on our CP placements.



ONE WATER REPORT

One Water
Shared Service Expenses
December 2022 YTD



Labor Costs Allocated to LW	
MSD One Water Employees	Amount
Fleet Services Director	\$ 83,537
Chief Innovation Officer	62,156
Fleet Services Administrator	46,333
Chief Procurement Officer	28,380
Total	\$ 220,406
Non-Labor Costs Allocated to LW	
Shared Services	Amount
Backup Data Line for Cust Svc	\$ 13,880
LAGIT Insurance	11,782
One Water Partnership Story	7,250
One Water Affordability Project	7,008
WEFTEC Conference & Expo	1,517
US Water Alliance Conference	1,266
AMWA Executive Mgmt. Conference	1,103
Greater Louisville Inc. Annual Meeting	725
NEUAC Conference	719
One Water Partner of the Year Awards	367
One Water Progress Executive Summary	221
Business Cards: Executive Director - One Water	30
Total	\$ 45,868

Labor Costs Allocated to MSD	
LW One Water Employees	Amount
Executive Director - One Water	\$ 108,895
Vice President of Communications	29,451
Customer Service Director	21,210
Total	\$ 159,556
Non-Labor Costs Allocated to MSD	
Shared Services	Amount
Backup Data Line for Cust Svc	\$ 13,880
LAGIT Insurance	11,782
One Water Partnership Story	7,250
One Water Affordability Project	7,008
WEFTEC Conference & Expo	1,517
US Water Alliance Conference	1,266
AMWA Executive Mgmt. Conference	1,103
Greater Louisville Inc. Annual Meeting	725
NEUAC Conference	719
One Water Partner of the Year Awards	367
One Water Progress Executive Summary	221
Business Cards: Executive Director - One Water	30
Total	\$ 45,868

Grand Total Allocated to LW \$ 266,274

Grand Total Allocated to MSD \$ 205,424

SECTION 3: CAPITAL PROGRAM PERFORMANCE

The Capital Program Performance Section is prepared to provide MSD's Executive Director and the MSD Board with a high-level understanding of progress made with implementing the FY23 CIP, including Consent Decree and other mandated projects, regulatory compliance commitments, and high priority asset management needs. The following information is presented in this report:

- Comparison of forecast and expenditures to the approved FY23 budget performance target (approved budget minus Management Reserve)
- Discussion of change management activities occurring during the reporting period
- Major project highlights and program challenges
- Forecast of upcoming procurement activities

FY23 CAPITAL BUDGET BASIS

The FY23 CIP budget of \$195.4M for Jefferson, Bullitt and Oldham County projects was approved by the Board in May 2022. The approved budget was based upon \$190.4M in total expenditures forecasted at that time for the projects anticipated to be active during the Fiscal Year July 1, 2022, through June 30, 2023. In addition, \$5M was set aside in Management Reserve to fund emergencies and other unanticipated priorities for a total approved budget ceiling of \$195.4M.

Many projects span across multiple fiscal years so the annual budget may not represent the total estimate for the project. Construction spending is dependent upon the Contractor's actual progress with the work contracted. Complex construction projects are difficult to predict exactly how spending will occur each month. Variations in starting project activities, equipment deliveries, weather delays, subsurface conditions, etc. can affect the speed of monthly and annual spending. For large capital projects MSD reviews the Contractor's anticipated rate of spending and compares it with MSD's cashflow forecast on a monthly basis.

CIP Priorities for Operations

The FY23 CIP was developed in coordination with MSD's Engineering, Finance, and Operations divisions. The intent of the CIP is to enhance, support, and streamline utility operations by 1) providing capital funding for new equipment; 2) replacing aging infrastructure; 3) reducing sewer overflows; and 4) improving reliability of all assets operated and maintained by MSD divisions. The 5-year and FY23 CIP were developed to mitigate risks related to asset failure and regulatory compliance. MSD priorities funding to achieve the greatest risk mitigation possible with the available budget.

The top CIP priorities from an operational perspective were included in the baseline FY23 CIP.

- **Morris Forman WQTC Biosolids**: The aging biosolids processes at the Morris Forman WQTC have presented significant operational challenges. The FY23 CIP includes multiple projects related to biosolids process improvements including design and site work for the new state-of-the-art biosolids processing facility, and an update to the District-Wide Biosolids Management Master Plan.
- **Morris Forman WQTC Sedimentation Basin Rehabilitation**: The peak flow capacity of the Morris Forman WQTC is currently limited by the capacity of the sedimentation basins. Construction began in FY22 for rehabilitating all four basins. Per an Agreed Order with the State, this work must be completed no later than December 31, 2026. The project is in construction.
- **Large Diameter Sewer Rehabilitation Program**: Every year, MSD experiences multiple sewer failures that are primarily due to aging infrastructure. As such, MSD is continuing a 5-year program to proactively rehabilitate the highest risk large diameter sewers.

MONTHLY EXECUTIVE REPORT

April 30, 2023

- Flood Pump Station Reliability Improvements:** The Ohio River Flood Protection System protects 240,000 people and \$60B of property within the levee area. MSD is working in partnership with the United States Army Corps of Engineers (USACE) to complete asset improvements with the intent of improving the overall reliability of the system. The USACE continues to coordinate funding for the reliability program. Work is progressing for the Paddy’s Run FPS Capacity Improvement Project..

FY23 CIP OVERALL PERFORMANCE

MSD assigned funds to a Management Reserve to fund emergencies and unanticipated priorities. Use of the Management Reserve requires approval by the CIP Management Team. The baseline FY23 budget included \$5M for Management Reserve. MSD is reporting cash flow performance excluding this unutilized reserve position. The following new budget performance nomenclature is introduced into this monthly report:

- Budget Ceiling:** This represents the total annual capital spend approved with the FY23 CIP of \$195.4M inclusive of all projects, appropriations, and Management Reserve funds.
- Performance Budget Target:** This represents the Budget Ceiling minus the current level of Management Reserve (as captured in G23029). This target, which will change as Management Reserve is utilized, better measures the progress of the working slate of projects. As of April 30, 2023, the Performance Budget Target is \$191.8M

FY23 capital expenditures for the Wastewater, Stormwater, and Support Services Programs totaled \$126.3M through April 30, 2023. This spend represents approximately 64.6% of the \$195.4M FY23 capital budget and 65.8% of the budget performance target.

The forecasted spend for FY23 remains \$175M due primarily to easement issues impacting design progression and construction starts, as well as equipment delivery constraining construction activities.

Capital Budget Performance Summary

Note: The forecast will continue to evolve throughout the FY based on changes to the program including project schedules and estimates.

Financial Category	Value	Comments
FY 2023 Budget Ceiling	\$195.4M	Approved by MSD Board
FY 2023 Performance Budget Target	\$191.8M	Budget Ceiling minus Mgmt. Reserve
FY 2023 Spending Projection	\$175.0M	Forecasted Spend
FY 2023 Actuals	\$126.3M	64.6% of Budget Ceiling

A breakdown of the monthly spend forecast as compared to actual spending is presented in the table below. Capital expense reflects total capital invoices received against purchase orders in the month.

MONTHLY EXECUTIVE REPORT

April 30, 2023

FY23 Evolving Spend Forecast and Actuals

FY23	Monthly Baseline Performance Target	Monthly Actuals
July 2022	---	\$ 1.4M
August 2022	\$12.1M	\$ 6.9M
September 2022	\$12.6M	\$ 6.7M
October 2022	\$13.4M	\$14.8M
November 2022	\$15.2M	\$12.1M
December 2022	\$16.4M	\$17.5M
January 2023	\$16.7M	\$17.3M
February 2023	\$16.5M	\$13.9M
March 2023	\$18.7M	\$22.5M
April 2023	\$18.6M	\$13.2M
May 2023	\$21.5M	
June 2023	\$28.7M	
FY23 Performance Budget Target	\$ 190.4M	\$ 126.3M

Note: The FY23 baseline forecast excludes \$5M in

Management Reserve. The forecast and actuals exclude FEMA grant projects. Most invoices paid in July are for work performed in June, and therefore were charged against the FY22 budget. The June 2023 estimate includes the FY23 accruals.

Challenges to CIP Execution

Efforts made by staff to meet project schedules and budgets have been impacted by the following:

Construction bids

- Reduced the number of respondents or responsive bidders for some procurements.
- Due to unprecedented construction escalation rates, bids are often coming in much higher than anticipated. Some non-regulatory projects will be subject to internal discussion and may be put on hold.

Supply-Chain Project Impacts

- Nationwide electronic chip shortage impacting the delivery of new vehicles.
- Supply shortage of material impacting delivery of equipment.
- Shortage of external workforce.

Third-Party Coordination Impacts

- Obtaining easements and stakeholder approval have resulted in delays for some projects.
- Contractor learning curve to understand and properly comply with Supplier Diversity requirements is requiring some projects to be re-bid.

MONTHLY PROJECT ACTIVITIES

MSD's working definitions for each project's schedule activity are as follows:

- **Initiation/ Procurement Activity:** The time when a project in the approved CIP is waiting for planning to be completed; a design Project Manager (PM) assignment; or a consulting Professional Services Agreement Notice-to-Proceed (NTP).
- **Design Activity:** The time from when a project is transitioned from planning to preliminary design through final design, through bidding, until the NTP is issued for construction.
- **Construction Activity:** The time from when a project is issued a NTP through achievement of Substantial Completion of the contracted scope of work.
- **Studies:** Specific projects for assessments, evaluations, studies, and plan development.

A summary of the status of projects active during the reporting period is provided in the table below.

Summary of Active Non-Appropriation Projects During Reporting Month

Current Project Activity	# of Projects	Lifetime Actuals	FY23 Budget	FY23 Actuals
Initiation & Procurement	20	\$213,600	\$4,043,303	\$213,600
Design	79	\$48,916,707	\$57,649,184	\$29,763,919
Construction	49	\$129,852,687	\$63,419,795	\$45,046,909
Studies	12	\$6,392,401	\$3,767,190	\$2,360,749
TOTAL	160	\$185,375,394	\$128,879,472	\$77,385,177

Does not include projects in Closeout phase

Emergency Contracts to Repair Infrastructure Damage

When emergencies become larger than internal resources can handle and/or present immediate public safety dangers, emergency contracts are executed. MSD issues emergency contracts under the Chief Engineer's and Executive Director's authority. In general, emergencies are any situation that disrupt service to customers and community related to wastewater treatment, stormwater management and flood protection. Often emergencies are due to the condition and age of MSD's assets, while some are due to heavy rain events and saturated soils undermining of pipe infrastructure and drainage runoff has washing away and/or eroding drainage systems. For the past decade MSD had to defer spending for asset management in order to comply with construction of new assets mandated in the Consent Decree to mitigate unauthorized discharges.

Active emergency projects are included in the table below. The amount presented typically reflects the construction contract only. The Budget ID assigned to each project is listed. Projects that are routine in nature and repaired relatively quickly are performed under the annual appropriation FY23 Renewal and Replacement - Budget ID G23001. Projects more complex or requiring more time for completion are assigned a new budget ID.

MONTHLY EXECUTIVE REPORT

April 30, 2023

Active Emergency Contract Work

Emergency	Funding Source	Date Began	Emergency Certificate Amount (\$)	Contractor
MFWQTC LG Dryer Replacements	D20285	1/1/2020	\$69,668,264	Judy Construction
SGC Gates Replacement - Design	H22022	7/1/2021	\$2,000,000	AECOM
15th Street Sewer Repair	A22183	3/7/2022	\$500,000	Temple and Temple
SGC Gates Replacement - Construction	H22022	4/1/2022	\$2,000,000	Pace Contracting, LLC
Levee Repair at Western FPS	F21096	5/4/2022	\$75,000.00	MAC Construction
BC ProLogis Treatment Plant	Y23098	10/10/2022	\$75,000	MAC Construction
5th St FPS MCC's	F15012	12/22/2022	\$335,000.00	AES, Inc
Mellwood Closure	F21096	1/3/2023	\$65,000	Pace Contracting, LLC
3024 Hilltop Ct._Albrecht PS FM Repair	G23001	1/23/2023	\$50,000	Oliver Excavating
Liberty Street Sewer Replacement	E23172	2/13/2023	\$5,000,000	MAC Construction
FFWQTC UV Gates Replacement	G23001	3/24/2023	\$150,000.00	Dugan & Meyers, LLC
HCWQTC Maintenance Bldg Sewer Repair	G23001	4/3/2023	\$45,000.00	Dugan & Meyers, LLC
MF Storm Line Repair	G23001	5/8/2023	\$150,000.00	Basham Construction and Rental
FM Repair at 6908 John Paul Ln	G23001	5/11/2023	\$50,000	TRC, LLC (WBE)
Tree Line Pump Station	G23001	TBD	\$250,000.00	TEM Group
MFWQTC MEB East & West Freight Elevators	G23001	TBD	\$500,000	Oracle Elevators

MONTHLY EXECUTIVE REPORT

April 30, 2023

Projects Removed from Cashflow

Projects that have been removed from the cashflow are shown in the following table.

Projects Removed from Cashflow Forecast

Budget ID and Project Name	FY23 Budget (\$)	Lifetime Actuals	Reason
H23042 - Padmount Transformer for Battery C	\$850,000	---	The scope of this project is being completed as part of the MFWQTC High Voltage Maintenance project.
H09163 Little Cedar Creek Interceptor	\$575,110	---	Project is being eliminated from MSD's IOAP via Minor Mod letter.
H23015 Carlaw Court PS Elimination	\$212,500	---	The scope of this project will be completed at the Gunpowder Pump Station ILS project.
H19018 FY23 CMOM Program Management	\$127,500	---	The scope of this project will be completed under FY23 Modeling
N23024 Communications Message Boards	\$42,500	---	Project postponed to FY24
H23017 CCWQTC Preliminary Treatment Improvements	\$558,623	---	Project postponed due to new headworks decision
H22034 CC FF HC Sodium Aluminate Automation	\$447,919	\$67,562	Cost Benefit analysis determined that the project is not needed at this time

Major Project Highlights

A major project is defined as one with an FY23 budget larger than \$5M. The following tables list major projects in design and construction.

Major Design/Build Projects

Budget ID & Project Name	Design Finish	Current Project Estimate at Completion	FY23 Budget	Lifetime Actuals	FY23 Spending Projection	Project Outlook
D22100 Morris Forman Water Quality Treatment Plant Biosolids Facility	9/19/2023	\$244M	\$8.5M	\$15.8M	\$17M	GMP is in discussion
F18515 Paddy's Run FPS Capacity Improvements	9/21/2023	\$237M	\$7.7M	\$6.9M	\$6.9M	Stage 2 60% GMP EAC Update

MONTHLY EXECUTIVE REPORT
April 30, 2023

Major CIP Projects Under Construction

Budget ID & Project Name	Anticipated Substantial Completion	Current Project Estimate at Completion	FY23 Budget	Lifetime Actuals	FY23 Spending Projection	Project Outlook
D17042 MFWQTC Sedimentation Basin	10/3/2024	\$38.7M	\$15.0M	\$17.6M	\$11.7M	Project in Construction
D20285 MFWQTC LG Dryer Replacements	12/30/2023	\$76.9M	\$7.0M	\$73.0M	\$6.9M	Awaiting flare delivery and installation

CIP MANAGEMENT TEAM MEETING HIGHLIGHTS

There was no CIP Management Team meeting in April 2023.

CHANGE MANAGEMENT ACTIVITIES

Notice of Advisement (NOA)

NOAs are intended to document any change to a project scope, schedule, and budget. A standardized electronic form has been created by the MSD Project Controls Team.

The table below lists the NOA's processed during the reporting period. In general, requests by staff tend to fall into the following categories:

- **New Projects Added to the CIP:** New projects that were not known at the time the CIP was under development and subsequently approved by MSD's Board. These projects are vetted by staff before funding is requested. Projects are only added to the CIP if funding is available from the CIP Management Reserve.
- **Projects with Schedule Adjustments:** As projects progress through a standard lifecycle, schedules are adjusted. The schedule dates and project duration are used in the cashflow forecast tool. As such, it is important to track and monitor schedule adjustments to the CIP projects.
- **Projects with EAC Adjustments:** As projects advance, the estimate at completion (EAC) is adjusted. Routine adjustments are made at the 30%, 60%, 90%, and Bid Award milestones.
- **Projects Deferred to a Future Year:** Some projects are deferred based upon new information, updated planning status, or to free up funds for other more pressing capital needs.

Notice of Advisement Log for Reporting Month

ID	Project Name	Advisement Category	FY Impact	Status
583	Grant - Waldoah Beach DR4361-0012	New Project, Budget	\$146,065	Approved
584	Grant - Indian Trail DR4428-0042	New Project	---	Approved
585	Grant Elba DR4428-0043	New Project	---	Approved
586	City of Rolling Hills DIP	New Project, Budget	\$150,000	Approved
587	FY23 CMOM Infrastructure Rehabilitation	EAC, Budget	\$852,049	Approved
588	MFWQTC Sedimentation Basin	EAC, Budget	(\$2,000,000)	Approved
589	City of West Buechel DIP	New Project, Budget	\$300,000	Approved
590	MS4 LTMN Site Safety Evaluation	New Project, Budget	\$65,119	Approved
591	FY23 CMOM Collections System PS RR	EAC, Budget, Scope	\$165,000	Approved
592	Concrete Repairs at the DRG Dewatering Bldg	New Project, Budget	\$175,000	Approved
593	Various FY24 DRI Projects	New Projects	---	Approved

MONTHLY EXECUTIVE REPORT
April 30, 2023

ID	Project Name	Advisement Category	FY Impact	Status
594	Floyds Fork Modeling Update	New Project, Budget	\$109,150	Approved
596	Paddy's Run FPS Capacity Upgrade	EAC	(\$9,610,983)	Approved
597	Bullitt County Office Bldg Roof Replacement	New Project, Budget	\$20,000	Approved
598	DRGWQTC Roof Repairs	EAC, Budget	(\$650,915)	Approved
599	Shawnee FPS Roof Replacement	EAC, Construction Advancement	---	Approved
600	South Shelby St Sanitary Improvements	Construction Advancement	---	Approved
601	Western FPS Roof Replacement	EAC, Construction Advancement	---	Approved

PROCUREMENT ACTIVITIES

The table below presents the projects currently advertised. The bid dates represent anticipated dates and are subject to change via addendum.

Upcoming Construction Bid Openings

Budget ID	Project Name	Bid Opening
C23175	City of Rolling Hills DIP	5/2/23
	Kort Springs Drainage Basin Rehab Pilot Project	5/8/23
C23207	City of West Buechel DIP	5/16/23
D23160	CCWQTC Roof Repairs	5/18/23
H20050	CSO-016 & CSO-210 Cameras	5/18/23

MONTHLY EXECUTIVE REPORT

April 30, 2023

Bid Openings

Bids opened during the reporting month are shown below.

Budget ID	Project Name	Bid Opening	Engineer's Estimate	Awarded Bid
C23175	Vista Greens Drive Bank Repair	4/27/23	\$60k - \$100k	NA
D23163	DRGWQTC Roof Repairs	4/20/23	\$266k	\$199k*
C23178	Rhett Court DIP	4/13/23	\$75k - \$100k	NA

*Apparent low bid. Not yet awarded.

Construction - Notice to Proceeds (NTP) Issued

The Notice-to-Proceeds issued for projects are listed below.

Budget ID	Project Name	NTP Date
H22014	MFWQTC Groundwater Dewatering System Automation	4/3/2023
C23137	Lynnview Catch Basin Replacement	4/22/2023

END OF REPORT