

Monthly Executive Report

Financial & Capital Program Updates

As of September 30, 2021



MONTHLY EXECUTIVE REPORT

September 30, 2021

DISCLAIMER

This monthly report was prepared by Louisville MSD staff using the best available information. Contributions were made from Finance, Engineering, Regulatory Compliance, Procurement, and Project Controls. Additional information will be incorporated into this report as deemed appropriate.

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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
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
NMC	Nine Minimum Controls

Acronyms & Abbreviations - Continued

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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
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 September 30, 2021 with respect to Fiscal Year 2022 (FY22) program health and regulatory compliance.

CAPITAL PROGRAM HEALTH

A high-level summary of the status of key programs and initiatives is presented in Table 1. More detailed information is presented throughout this report.

Table 1 – Summary of FY22 Capital Program Performance To-date

Key Programs and Initiatives	Status as of September 30, 2021
Consent Decree Compliance	All Consent Decree deadlines have been satisfied through the reporting period.
Emergency Repairs & Reactive Equipment Replacements	One (1) emergency project was added in September 2021 DRG Aeration Basin Sluice Gate project has an estimated cost of \$153,000.
Cashflow Performance*	Forecasted to spend 98% of the performance target and 91.9% of the budget ceiling.
Change Management Notice of Advisements (NOAs)	Eleven (11) NOAs were processed including: creating five new projects from the appropriation budgets; approving two schedule extensions; and four EAC increase.

**Discussion on Performance Target and Budget Ceiling is found on page 33.*

SECTION 2: FINANCIAL REPORT

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

- Year-to-date financial results as of September 2021
- Customer statistics
- Employee headcount
- Cash
- Investments
- Commercial paper program
- Key Performance Indicators (KPIs)
- Mark to market on interest rate swaps
- Top 20 customers

SEPTEMBER FINANCIAL SUMMARY

Financial Highlights for the month of September 2021

- Wastewater and Drainage service charges were \$1.2 million favorable to budget.
- Operations and Maintenance expenses were \$1.0 million favorable to budget.

Results of Operations for the month of September 2021

Total operating revenues were \$1.2 million favorable to budget and \$2.1 million more than September 2020. Wastewater service charges were \$1.0 million favorable to budget and \$2.5 million more than September 2020. The favorability to budget continues to be driven by residential service charges and higher commercial and industrial volume charges. Drainage service charges \$151 thousand favorable to budget to budget and \$222 thousand more than September 2020. MSD's fiscal year 2022 rate increase of 6.9% for wastewater and drainage service charges became effective August 1, 2021. Other operating revenues were \$648 thousand favorable to budget and \$706 thousand more than September 2020.

Service & Administrative costs were \$1.0 million favorable to budget and \$740 thousand less than September 2020. The favorability to budget was driven by lower than budgeted salaries and utilities.

Depreciation and Amortization expenses were \$99 thousand unfavorable to budget and \$243 thousand more than September 2020.

Investment Income was \$221 thousand unfavorable to budget and \$149 thousand less than September 2020.

Interest expense was \$101 thousand favorable to budget and \$212 thousand more than September 2020.

Cash Flows

Cash and cash equivalents increased \$508 thousand in September. Net cash provided by operations in August was \$19.0 million. \$559 thousand in cash was used in financing activities. \$19.1 million in cash was used in investment activities in September as excess cash was reinvested. See monthly investment activity section for more information on investments purchased.

MONTHLY EXECUTIVE REPORT

September 30, 2021

Table 2 - Q1 Fiscal Year 2022 Summarized Financial Results

Louisville/Jefferson County Metropolitan Sewer District
Comparative Statement of Revenues, Expenses and Changes in Net Position
Quarter Ending September 30, 2021
(Dollars in Thousands)

	YTD <u>Actual</u>	YTD <u>Budget</u>	<u>Variance</u>	YTD <u>Prior Year</u>	<u>Variance</u>
Operating Revenue	\$91,460	\$88,001	3,459	\$85,254	6,206
Net Service & Administrative Expenses	(28,372)	(31,246)	2,874	(27,413)	(959)
Depreciation/Amortization Expense	(24,807)	(24,250)	(557)	(24,171)	(636)
Investment Income	2,868	2,882	(14)	2,764	104
Interest Expense	(24,430)	(25,668)	1,238	(23,104)	(1,326)
Capital Contributions	91	-	91	217	(126)
Change in Net Position Before Swaps	\$16,810	\$9,719	\$7,091	\$13,547	\$3,263

Working Capital
Quarter Ending September 30, 2021
(Dollars in Thousands)

	YTD <u>Actual</u>	YTD <u>Budget</u>	<u>Variance</u>	YTD <u>Prior Year</u>	<u>Variance</u>
Total Available Revenues	\$94,328	\$90,883	\$3,445	\$88,018	6,310
Service & Administrative Expenses	(37,433)	(41,113)	3,680	(35,847)	(1,586)
Debt Service	(41,582)	(41,990)	408	(35,379)	(6,203)
Capital Expenses	(18,149)	(27,500)	9,351	(27,697)	9,548
Bond & CP Proceeds	45,000	47,145	(2,145)	30,000	15,000
Change in Working Capital	\$42,164	\$27,425	\$14,739	\$19,095	\$23,069

MONTHLY EXECUTIVE REPORT

September 30, 2021

FINANCIAL STATEMENTS – FY22

Comparative Statement of Net Position

Table 3 – Comparative Statement of Net Position

Louisville & Jefferson County Metropolitan Sewer District Monthly Comparative Statement of Net Position				
	YTD Sep-2021	YTD Sep-2020	Variance	Percent
Current Assets				
Unrestricted Cash & Cash Equivalents	\$104,799,496	\$104,247,935	\$551,561	0.53%
Sewer & Drainage Receivable	30,678,843	27,919,194	2,759,649	9.88%
Assessment Warrants Receivable	138,441	185,885	(47,444)	-25.52%
Miscellaneous Receivables	(3,255,360)	5,139,683	(8,395,043)	-163.34%
Inventories	5,177,688	5,048,303	129,385	2.56%
Prepaid Expenses	7,937,849	4,177,628	3,760,221	90.01%
Restricted Funds	142,129,912	141,146,621	983,291	0.70%
Accrued Interest Receivable	231,208	186,454	44,754	24.00%
Total Current Assets	287,838,077	288,051,704	(213,627)	-0.07%
Non-Current Assets				
Utility Plant in Service	4,303,354,723	4,139,928,630	163,426,093	3.95%
Accumulated Depreciation	(1,490,776,185)	(1,395,723,325)	(95,052,860)	6.81%
Construction in Progress	649,015,496	574,144,228	74,871,267	13.04%
Net Fixed Assets	3,461,594,034	3,318,349,533	143,244,500	4.32%
Non-Current Receivables	25,772,693	29,616,785	(3,844,093)	-12.98%
Total Assets	3,775,204,803	3,636,018,023	139,186,780	3.83%
Total Deferred Outflow of Resources	84,945,859	77,285,196	7,660,663	9.91%
Total Assets & Deferred Outflow of Resources	3,860,150,662	3,713,303,219	146,847,443	3.95%
Current Liabilities				
Miscellaneous Accounts Payable	8,128,874	14,075,741	(5,946,867)	-42.25%
Accounts Payable - Construction	5,826,102	5,754,309	71,793	1.25%
Contract Retainage	12,700,653	13,640,234	(939,581)	-6.89%
Accrued Interest Payable	45,284,973	42,999,931	2,285,042	5.31%
Current Maturities of Bonds Payable	51,230,000	43,710,000	7,520,000	17.20%
Current Maturities of Subordinate Debt	1,867,099	1,862,658	4,441	0.24%
Deposits Payable	2,988,278	2,795,499	192,779	6.90%
Accrued Salaries & Wages	2,621,889	2,322,858	299,031	12.87%
Accrued Workers' Comp Insurance	2,652,990	2,536,310	116,680	4.60%
Employee Comp Absences Payable	4,142,924	4,027,480	115,444	2.87%
Total Current Liabilities	137,443,780	133,725,019	3,718,761	2.78%
Non-Current Liabilities				
Long-Term Senior Debt Payable	2,056,535,000	2,093,205,000	(36,670,000)	-1.75%
Long-Term Subordinate Debt Payable	467,472,063	331,887,859	135,584,204	40.85%
Other Long-Term Liability	322,072,572	246,552,584	75,519,988	30.63%
Total Non-Current Liabilities	2,846,079,635	2,671,645,444	174,434,191	6.53%
Total Liabilities	2,983,523,415	2,805,370,463	178,152,952	6.35%
Total Deferred Inflow of Resources	10,159,156	16,401,548	(6,242,392)	-38.06%
Total Liabilities & Deferred Inflow of Resources	2,993,682,570	2,821,772,011	171,910,560	6.09%
Net Position	866,468,092	812,107,377	54,360,715	6.69%
Total Liabilities, Deferred Inflow of Resources and Net Position	3,860,150,662	3,633,879,388	226,271,275	6.23%

MONTHLY EXECUTIVE REPORT

September 30, 2021

Statement of Revenue, Expense & Change in Net Position

Table 4 – Statement of Revenues, Expenses and Changes in Net Position

Louisville & Jefferson County Metropolitan Sewer District Monthly Statement of Revenues, Expenses, and Changes in Net Position							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Wastewater Charges							
Residential	\$ 39,270,775	\$ 37,519,146	\$ 1,751,629	4.7%	\$ 38,130,799	\$ 1,139,976	3.0%
Commercial	22,752,105	21,867,097	885,008	4.0%	20,299,854	2,452,250	12.1%
Industrial	5,935,219	6,345,404	(410,185)	-6.5%	5,875,250	59,969	1.0%
Other Wastewater	2,433,908	2,194,289	239,619	10.9%	937,966	1,495,943	159.5%
Free Wastewater Charges	(1,659,352)	(1,723,979)	64,626	-3.7%	(939,484)	(719,868)	76.6%
Total Wastewater Charges	68,732,655	66,201,958	2,530,697	3.8%	64,304,384	4,428,270	6.9%
Drainage							
Residential	7,452,925	7,473,565	(20,640)	-0.3%	7,183,413	269,513	3.8%
Commercial	11,952,762	11,814,230	138,532	1.2%	11,462,770	489,992	4.3%
Industrial	1,395,792	1,348,800	46,992	3.5%	1,311,833	83,960	6.4%
Other Stormwater	823,812	773,298	50,514	6.5%	571,127	252,684	44.2%
Free Stormwater Charges	(601,360)	(607,969)	6,609	-1.1%	(574,213)	(27,147)	4.7%
Total Drainage Charges	21,023,932	20,801,924	222,007	1.1%	19,954,930	1,069,002	5.4%
Total Service Charges	89,756,586	87,003,882	2,752,705	3.2%	84,259,314	5,497,272	6.5%
Other Operating Income	1,702,988	996,778	706,210	70.8%	995,497	707,492	71.1%
Total Operating Revenue	91,459,575	88,000,660	3,458,915	3.9%	85,254,811	6,204,764	7.3%
Operating Expenses							
Salaries & Wages	12,751,343	14,100,634	(1,349,291)	-9.6%	12,544,066	207,277	1.7%
Labor Related Overhead	6,345,328	6,741,994	(396,666)	-5.9%	6,505,895	(160,567)	-2.5%
Utilities	3,670,953	4,310,090	(639,137)	-14.8%	3,652,898	18,055	0.5%
Materials & Supplies	1,906,288	1,839,406	66,882	3.6%	1,603,764	302,524	18.9%
Contractual Services	8,077,267	9,708,878	(1,631,611)	-16.8%	8,441,028	(363,760)	-4.3%
Chemicals	1,545,167	1,605,973	(60,806)	-3.8%	1,077,082	468,085	43.5%
Fuel	346,223	345,373	850	0.2%	232,395	113,828	49.0%
Insurance Premiums & Claims	1,393,792	950,665	443,127	46.6%	640,879	752,913	117.5%
Bad Debt	1,157,208	875,006	282,202	32.3%	942,825	214,383	22.7%
Other Operating Expense	239,955	634,687	(394,732)	-62.2%	206,233	33,722	16.4%
Mapping/Insurance Recovery	-	-	-	0.0%	-	0	0.0%
Capitalized Overhead	(9,061,248)	(9,867,049)	805,801	-8.2%	(8,434,368)	(626,880)	7.4%
Capital Expenses (over)/under applied							
Net Service and Administrative Costs	28,372,276	31,245,657	(2,873,380)	-9.2%	27,412,697	959,579	3.5%
Depreciation	24,521,447	24,249,999	271,448	1.1%	23,794,863	726,584	3.1%
Amortization	285,252	0	285,252	0.0%	376,072	(90,820)	-24.1%
Total Depreciation/Amortization	24,806,698	24,249,999	556,699	2.3%	24,170,935	635,763	2.6%
Total Operating Expenses	53,178,975	55,495,656	(2,316,681)	-4.2%	51,583,632	1,595,343	3.1%
Net Operating Income	38,280,600	32,505,004	5,775,596	17.8%	33,671,179	4,609,421	13.7%
Non-Operating Revenue (Expenses)							
Gain/Loss Disposal of Assets	74,983	300	74,683	24894.3%	11,890	63,093	530.6%
Investment Income	2,792,708	2,881,200	(88,492)	-3.1%	2,752,351	40,357	1.5%
Interest Expense	(24,429,977)	(25,667,960)	1,237,983	-4.8%	(23,104,203)	(1,325,774)	5.7%
Total Non-Operating Revenue (Expenses)	(21,562,286)	(22,786,460)	1,224,174	-5.4%	(20,339,962)	(1,222,324)	6.0%
Contributions	91,518.53	-	91,519	0.0%	216,899	125,380	-57.8%
Change in Net Position Before Swaps	16,809,833	9,718,544	7,091,289	73.0%	13,548,116	(3,261,717)	24.1%
Change in Fair Value of Swaps	1,892,641	-	1,892,641	0.0%	1,829,051	(63,589)	3.5%
Change in Net Position After Swaps	\$ 18,702,473	\$ 9,718,544	\$ 8,983,929	92.4%	\$ 15,377,167	\$ (3,325,306)	21.6%

MONTHLY EXECUTIVE REPORT

September 30, 2021

Statement of Cash Flows

Table 5 – Monthly Statement of Cash Flows

Louisville and Jefferson County Metropolitan Sewer District Monthly Statement of Cash Flows		
	YTD FY22	YTD FY21
Cash Flows from Operating Activities		
Cash received from customers	\$ 88,793,266	\$ 79,056,286
Cash paid to suppliers	(27,684,531)	(15,513,482)
Cash paid to employees	(14,114,687)	(13,400,326)
Net Cash Provided by Operating Activities	46,994,048	50,142,478
Cash Flows from Capital and Related Financing Activities		
Proceeds from issuance of revenue bonds	-	232,728,206
Proceeds from issuance of bond anticipation note	2,263,400	2,263,400
Proceeds from issuance of commercial paper	145,000,000	50,000,000
Payments for retirement of revenue bonds	(3,435,996)	-
Payments for retirement of commercial paper	(100,000,000)	(230,000,000)
Payments for retirement of other subordinated debt	(385,000)	(403,978)
Payments for interest expense	(563,707)	(692,232)
Payments for interest on swaps	(2,718,360)	(2,546,229)
Build America bond interest subsidy	2,597,851	2,584,492
Proceeds from capital grants	-	216,899
Proceeds from sale of capital assets	74,983	11,890
Payments for capital assets	(54,828,541)	(56,596,514)
Proceeds from assessments	360,616	261,186
Net Cash Provided (Used) by Capital and Related Financing	(11,634,754)	(2,172,880)
Cash Flows from Investing Activities		
Purchase of investments	(49,450,763)	(24,921,752)
Maturity of investments	15,003,794	8,501,114
Investment income	317,467	227,470
Net Cash Provided (Used) by Investing Activities	(34,129,502)	(16,193,168)
Net Increase (Decrease) in Cash and Cash Equivalents	1,229,792	31,776,430
Cash and Cash Equivalents, Beginning of Year	101,985,796	142,816,579
Cash and Cash Equivalents, End of Year	\$ 103,215,588	\$ 174,593,009
Reconciliation of Operating Income to Net Cash provided by Operating Activities		
Income from operations	\$ 38,280,600	\$ 33,671,179
Adjustments to reconcile operating income to net cash provided by operating activities		
Depreciation and amortization	24,806,698	24,170,935
Accounts receivable	(2,897,970)	(6,039,658)
Inventories	(91,601)	(71,188)
Prepaid expense	(1,782,321)	(216,229)
Accounts payable	(10,216,547)	(613,327)
Customer deposits	231,661	(158,867)
Accrued liabilities	(1,336,472)	(600,367)
Net Cash Provided by Operating Activities	\$ 46,994,048	\$ 50,142,478
Non-Cash Capital Financing and Investing Activities		
Contribution of plant, lines and other facilities by developers and property owners	\$ -	\$ 216,899
Construction costs in accounts payable	18,526,754	19,394,543
Change in fair value of investments	96,085	81,005
Decrease in interest rate swap deferred revenue	(124,238)	(124,238)
Change in fair value - swap agreements	1,892,641	(1,829,051)
Bonds issued for refunding of debt	246,555,000	-

MONTHLY EXECUTIVE REPORT

September 30, 2021

Actual vs. Budget Operating and Maintenance Expenses

Table 6 - Actual vs Budget Operating and Maintenance Expenses

Louisville & Jefferson County Metropolitan Sewer District Operating and Maintenance Expenses September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$ 10,699,134	\$ 13,393,581	\$ (2,694,448)	-20.1%	\$ 10,090,949	\$ 608,185	6.0%
51130 - Overtime	516,601	611,244	(94,643)	-15.5%	399,255	117,346	29.4%
51135 - Special Event Compensation	34,390	88,667	(54,277)	-61.2%	36,670	(2,280)	-6.2%
51140 - Wages pd for vacation, holidays & other	1,476,374	0	1,476,374	0.0%	1,704,189	(227,814)	-13.4%
51145 - Incentive Pay - Performance, ERT, Sugg	1,944	0	1,944	0.0%	309,904	(307,959)	-99.4%
51147 - Service & Safety Incentive Awards	5,700	7,142	(1,442)	-20.2%	3,100	2,600	83.9%
Total Salaries & Wages	12,734,143	14,100,634	(1,366,491)	-9.7%	12,544,066	190,077	1.5%
Labor & Related Overhead							
51210 - Short-Term Disability	105,226	0	105,226	0.0%	137,439	(32,214)	-23.4%
51220 - Workers' Compensation Insurance	50,288	57,367	(7,080)	-12.3%	79,120	(28,833)	-36.4%
51225 - Workers' Compensation Claims	116,452	267,872	(151,420)	-56.5%	393,110	(276,659)	-70.4%
51230 - Long-Term Disability	(4,959)	12,498	(17,457)	-139.7%	(4,795)	(165)	3.4%
51240 - Group Life - AD&D Insurance	9,027	24,990	(15,963)	-63.9%	(26,229)	35,256	-134.4%
51250 - Tuition Assistance	10,067	22,497	(12,430)	-55.3%	5,258	4,810	91.5%
51260 - Empl Assistance & Wellness Program	0	3,501	(3,501)	0.0%	4,030	(4,030)	0.0%
51300 - Payroll Taxes	753,922	1,014,788	(260,866)	-25.7%	915,906	(161,983)	-17.7%
51400 - Unemployment Insurance	(35,776)	8,549	(44,325)	-518.5%	0	(35,776)	0.0%
51500 - Med Ins: MSD's port. of prem for grp	1,824,838	1,750,737	74,101	4.2%	1,656,911	167,927	10.1%
51600 - Retirement Contributions	3,516,243	3,579,194	(62,951)	-1.8%	3,345,145	171,099	5.1%
51650 - Pension & OPEB Expense	0	0	0	0.0%	0	0	0.0%
Total Labor & Related Overhead	6,345,328	6,741,994	(396,666)	-5.9%	6,505,895	(160,567)	-2.5%
Utilities							
53310 - Electric	2,905,382	3,360,000	(454,618)	-13.5%	3,047,120	(141,738)	-4.7%
53320 - Natural Gas	64,851	243,154	(178,304)	-73.3%	113,891	(49,040)	-43.1%
53330 - Water	380,106	329,548	50,558	15.3%	238,730	141,376	59.2%
53340 - Telephone	55,108	82,550	(27,442)	-33.2%	42,676	12,432	29.1%
53345 - Data Communications	265,506	294,837	(29,331)	-9.9%	210,481	(29,331)	26.1%
Total Utilities	3,670,953	4,310,090	(639,137)	-14.8%	3,652,898	(66,301)	0.5%
Materials & Supplies							
53140 - Materials & Supplies	1,663,523	1,771,156	(107,633)	-6.1%	1,559,860	103,663	6.6%
53150 - Inventory Adjustments	0	0	0	0.0%	0	0	0.0%
53160 - Landfill Cost of fill dirt	208,914	68,250	140,664	206.1%	43,904	165,010	375.8%
Total Materials & Supplies	1,872,437	1,839,406	33,031	1.8%	1,603,764	268,673	16.8%
Contractual Services							
51700 - Uniforms	58,905	52,887	6,018	11.4%	57,469	1,436	2.5%
52110 - Billing & Collection	1,559,333	1,570,224	(10,891)	-0.7%	1,551,830	7,502	0.5%
52130 - Custodial & Watchmen	171,337	265,220	(93,882)	-35.4%	207,089	(35,751)	-17.3%
52140 - Professional Services	499,356	1,151,925	(652,569)	-56.7%	583,468	(84,111)	-14.4%
52145 - Legal	69,971	327,525	(257,554)	-78.6%	121,369	(51,398)	-42.3%
52155 - Banking Services	17,640	21,523	(3,883)	-18.0%	18,847	(1,207)	-6.4%
52160 - Maintenance & Repairs	1,182,039	1,302,650	(120,612)	-9.3%	1,121,399	60,639	5.4%
52170 - Sludge & Grit Disposal	1,635,154	789,089	846,065	107.2%	1,388,326	246,828	17.8%
52180 - Temporary Services	50,291	83,115	(32,824)	-39.5%	33,979	16,312	48.0%
52195 - Other Contractual Services	2,833,064	4,144,722	(1,311,657)	-31.6%	3,357,253	(524,188)	-15.6%
Total Contractual Services	8,077,089	9,708,878	(1,631,789)	-16.8%	8,441,028	(363,938)	-4.3%
Bad Debt							
54200 - Bad Debts	1,007,208	875,006	132,202	15.1%	942,825	64,383	6.8%
54210 - Bad Debt - Assessments	150,000	0	150,000	0.0%	0	150,000	0.0%
Total Bad Debt	1,157,208	875,006	282,202	32.3%	942,825	214,383	22.7%
Chemicals							
53210 - Chlorine	0	2,850	(2,850)	0.0%	0	0	0.0%
53215 - Sodium Hypochlorite	205,480	298,150	(92,670)	-31.1%	189,813	15,666	8.3%
53220 - Polymer	754,770	649,000	105,770	16.3%	450,275	304,495	67.6%
53225 - Sodium Aluminate	40,522	72,000	(31,478)	-43.7%	37,062	3,460	9.3%
53230 - Liquid Oxygen	78,475	114,900	(36,425)	-31.7%	8,024	70,451	878.0%
53235 - Liquid Nitrogen	0	6,000	(6,000)	0.0%	0	0	0.0%
53240 - Other Chemicals	16,135	28,452	(12,317)	-43.3%	47,529	(31,394)	-66.1%
53250 - Dechlorination	93,714	113,250	(19,536)	-17.2%	93,902	(188)	-0.2%
53275 - Defoamer	0	21,272	(21,272)	0.0%	0	0	0.0%
53280 - Biocide	356,071	300,100	55,971	18.7%	250,477	105,594	42.2%
53285 - Sodium Hydroxide	0	0	0	0.0%	0	0	0.0%
Total Chemicals	1,545,167	1,605,973	(60,806)	-3.8%	1,077,082	468,085	43.5%
Fuel							
53120 - Gasoline	152,090	129,042	23,048	17.9%	122,757	29,333	23.9%
53130 - Diesel Fuel	194,133	216,331	(22,198)	-10.3%	109,638	84,495	77.1%
Total Fuel	346,223	345,373	850	0.2%	232,395	113,828	49.0%
Insurance Premiums & Claims							
54100 - Casualty Insurance	0	0	0	0.0%	0	0	0.0%
54110 - General Liability Insurance	708,148	275,631	432,517	156.9%	196,840	511,308	259.8%
54130 - Property Insurance	506,983	524,998	(18,015)	-3.4%	401,642	105,341	26.2%
54140 - General Liability Claims	178,661	150,036	28,625	19.1%	42,397	136,264	321.4%
54150 - Automobile Liability Claims	0	0	0	0.0%	0	0	0.0%
Total Insurance Premiums & Claims	1,393,792	950,665	443,127	46.6%	640,879	752,913	117.5%
Other Operating Expense							
53410 - Equipment Rental	64,851	40,349	24,502	60.7%	62,079	2,772	4.5%
53420 - Space Rent	7,500	7,500	0	0.0%	5,850	1,650	28.2%
53430 - Leased Parking	(450)	9,249	(9,699)	-104.9%	9,950	(10,400)	-104.5%
54250 - Contributions	0	26,125	(26,125)	0.0%	0	0	0.0%
54300 - Fines, Penalties & Damages	4,399	0	4,399	0.0%	4,000	399	10.0%
54400 - Advertising	3,747	58,048	(54,301)	-93.5%	10,078	(6,331)	-62.8%
54500 - Travel & Meetings	14,597	130,410	(115,813)	-88.8%	(3,791)	18,388	-485.1%
54550 - Training	9,973	190,928	(180,955)	-94.8%	47,160	(37,188)	-78.9%
54600 - Dues, Fees and Subscriptions	132,441	168,478	(36,037)	-21.4%	67,846	64,595	95.2%
54700 - Board Members	2,150	3,600	(1,450)	-40.3%	2,700	(550)	-20.4%
54725 - Bond Closing Cost	0	0	0	0.0%	0	0	0.0%
55555 - Over/under payments	(1,289)	0	(1,289)	0.0%	360	(1,649)	-458.0%
Total Other Operating Expense	237,919	634,687	(396,768)	-62.5%	206,233	31,686	15.4%
Grand Total	37,380,260	41,112,706	(3,732,446)	-9.1%	35,847,065	1,448,839	4.3%

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September 30, 2021

Division Actuals vs. Budget – Administration

Table 7 - Division Actuals vs. Budget – Administration

Louisville & Jefferson County Metropolitan Sewer District Administration September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$1,058,802	\$1,448,197	(\$389,395)	-26.9%	\$980,507	\$78,295	8.0%
51130 - Overtime	11,652	10,559	1,093	10.3%	10,562	1,090	10.3%
51140 - Wages pd for vacation, holidays & other	198,742	0	198,742	0.0%	182,807	15,935	8.7%
51145 - Incentive Pay - Performance, ERT, Sugg	21,071	0	21,071	0.0%	22,929	(1,858)	-8.1%
Total Salaries & Wages	1,290,267	1,458,756	(168,490)	-11.6%	1,196,805	93,461	7.8%
Labor & Related Overhead							
51300 - Payroll Taxes	79,940	106,755	(26,815)	-25.1%	85,139	(5,199)	-6.1%
51400 - Unemployment Insurance	0	777	(777)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	143,951	123,549	20,402	16.5%	115,331	28,620	24.8%
51600 - Retirement Contributions	346,598	373,674	(27,076)	-7.2%	320,795	25,803	8.0%
Total Labor & Related Overhead	570,489	604,755	(34,266)	-5.7%	521,265	49,224	9.4%
Utilities							
53310 - Electric	105,868	75,000	30,868	41.2%	70,395	35,473	50.4%
53320 - Natural Gas	2,365	7,109	(4,744)	-66.7%	868	1,497	172.3%
53330 - Water	5,262	5,000	262	5.2%	2,052	3,210	156.4%
Total Utilities	113,495	87,109	26,386	30.3%	73,316	40,179	54.8%
Materials & Supplies							
53140 - Materials & Supplies	32,529	99,503	(66,974)	-67.3%	(1,338)	33,867	-2530.8%
Total Materials & Supplies	32,529	99,503	(66,974)	-67.3%	(1,338)	33,867	-2530.8%
Contractual Services							
51700 - Uniforms	37,015	16,600	20,415	123.0%	36,796	219	0.6%
52130 - Custodial & Watchmen	128,759	215,820	(87,061)	-40.3%	164,564	(35,806)	-21.8%
52140 - Professional Services	45,491	279,673	(234,182)	-83.7%	60,956	(15,466)	-25.4%
52160 - Maintenance & Repairs	121,828	226,779	(104,951)	-46.3%	187,330	(65,502)	-35.0%
52180 - Temporary Services	20,776	22,667	(1,891)	-8.3%	9,775	11,001	112.5%
52195 - Other Contractual Services	17,967	40,638	(22,671)	-55.8%	17,749	218	1.2%
Total Contractual Services	371,836	802,176	(430,340)	-53.6%	477,171	(105,335)	-22.1%
Insurance Premiums & Claims							
54140 - General Liability Claims	0	10,786	(10,786)	0.0%	0	0	0.0%
Total Insurance Premiums & Claims	0	10,786	(10,786)	0.0%	0	0	0.0%
Other Operating Expense							
53410 - Equipment Rental	0	3,200	(3,200)	0.0%	0	0	0.0%
53430 - Leased Parking	(450)	8,624	(9,074)	-105.2%	9,950	(10,400)	-104.5%
54250 - Contributions	0	16,250	(16,250)	0.0%	0	0	0.0%
54400 - Advertising	2,231	33,269	(31,038)	-93.3%	9,739	(7,508)	-77.1%
54500 - Travel & Meetings	3,398	37,411	(34,013)	-90.9%	524	2,874	548.9%
54550 - Training	590	20,525	(19,935)	-97.1%	3,200	(2,610)	-81.6%
54600 - Dues, Fees and Subscriptions	74,319	79,004	(4,685)	-5.9%	34,627	39,692	114.6%
54700 - Board Members	2,150	3,600	(1,450)	-40.3%	2,700	(550)	-20.4%
Total Other Operating Expense	82,238	201,883	(119,646)	-59.3%	60,739	21,499	35.4%
Grand Total	2,460,853	3,264,968	(804,115)	-24.6%	2,327,958	132,895	5.7%

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September 30, 2021

Division Actuals vs. Budget – Corporate

Table 8 - Division Actuals vs. Budget – Corporate

Louisville & Jefferson County Metropolitan Sewer District							
Corporate							
September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$40,795	\$55,550	(\$14,755)	-26.6%	\$47,141	(\$6,346)	-13.5%
51140 - Wages pd for vacation, holidays & other	16,185	0	16,185	0.0%	9,435	6,750	71.5%
51145 - Incentive Pay - Performance, ERT, Sugg	310	0	310	0.0%	1,200	(890)	-74.2%
51147 - Service & Safety Incentive Awards	5,700	7,142	(1,442)	-20.2%	3,100	2,600	83.9%
Total Salaries & Wages	62,990	62,692	298	0.5%	60,876	2,114	3.5%
Labor & Related Overhead							
51210 - Short-Term Disability	105,226	0	105,226	0.0%	137,439	(32,214)	-23.4%
51220 - Workers' Compensation Insurance	50,288	57,367	(7,080)	-12.3%	58,010	(7,722)	-13.3%
51225 - Workers' Compensation Claims	191,452	267,872	(76,420)	-28.5%	393,110	(201,659)	-51.3%
51230 - Long-Term Disability	(4,959)	12,498	(17,457)	-139.7%	(4,795)	(165)	3.4%
51240 - Group Life - AD&D Insurance	8,128	24,990	(16,862)	-67.5%	(26,229)	34,357	-131.0%
51250 - Tuition Assistance	10,067	22,497	(12,430)	-55.3%	5,258	4,810	91.5%
51260 - Empl Assistance & Wellness Program	0	3,501	(3,501)	0.0%	1,186	(1,186)	0.0%
51300 - Payroll Taxes	2,485	2,858	(373)	-13.0%	2,617	(131)	-5.0%
51400 - Unemployment Insurance	(35,776)	228	(36,004)	-15791.1%	0	(35,776)	0.0%
51500 - Med Ins: MSD's port. of prem for grp	10,360	2,808	7,552	269.0%	2,840	7,520	264.8%
51600 - Retirement Contributions	15,496	15,721	(225)	-1.4%	15,624	(128)	-0.8%
Total Labor & Related Overhead	352,767	410,339	(57,572)	-14.0%	585,060	(232,294)	-39.7%
Contractual Services							
52110 - Billing & Collection	1,521,185	1,528,920	(7,735)	-0.5%	1,510,983	10,202	0.7%
52140 - Professional Services	3,234	80,850	(77,616)	-96.0%	(3,800)	7,034	-185.1%
52155 - Banking Services	1,646	2,503	(857)	-34.2%	1,059	587	55.4%
52195 - Other Contractual Services	4,762	500,157	(495,395)	-99.0%	28,888	(24,126)	-83.5%
Total Contractual Services	1,530,828	2,112,430	(581,602)	-27.5%	1,537,130	(6,303)	-0.4%
Bad Debt							
54200 - Bad Debts	1,002,708	875,006	127,702	14.6%	942,825	59,883	6.4%
54210 - Bad Debt - Assessments	150,000	0	150,000	0.0%	0	150,000	0.0%
Total Bad Debt	1,152,708	875,006	277,702	31.7%	942,825	209,883	22.3%
Insurance Premiums & Claims							
54110 - General Liability Insurance	704,695	275,001	429,694	156.3%	196,840	507,855	258.0%
54130 - Property Insurance	506,983	507,498	(515)	-0.1%	401,642	105,341	26.2%
54140 - General Liability Claims	174,816	135,000	39,816	29.5%	40,218	134,597	334.7%
Total Insurance Premiums & Claims	1,386,493	917,499	468,994	51.1%	638,700	747,794	117.1%
Other Operating Expense							
54400 - Advertising	900	0	900	0.0%	0	900	0.0%
54500 - Travel & Meetings	0	3,000	(3,000)	0.0%	0	0	0.0%
54550 - Training	0	32,800	(32,800)	0.0%	15,000	(15,000)	0.0%
55555 - Over/under payments	582	0	582	0.0%	360	222	61.7%
Total Other Operating Expense	1,482	35,800	(34,318)	-95.9%	15,360	(13,878)	-90.4%
Grand Total	4,487,268	4,413,766	73,502	1.7%	3,779,952	707,316	18.7%

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Division Actuals vs. Budget – Engineering

Table 9 - Division Actuals vs. Budget - Engineering

Louisville & Jefferson County Metropolitan Sewer District							
Engineering							
September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$1,703,370	\$2,032,230	(\$328,860)	-16.2%	\$1,661,063	\$42,307	2.5%
51130 - Overtime	14,541	41,302	(26,761)	-64.8%	13,169	1,372	10.4%
51135 - Special Event Compensation	0	249	(249)	0.0%	0	0	0.0%
51140 - Wages pd for vacation, holidays & other	216,060	0	216,060	0.0%	235,928	(19,869)	-8.4%
51145 - Incentive Pay - Performance, ERT, Sugg	9,482	0	9,482	0.0%	(4,585)	14,067	-306.8%
Total Salaries & Wages	1,943,452	2,073,781	(130,329)	-6.3%	1,905,574	37,878	2.0%
Labor & Related Overhead							
51300 - Payroll Taxes	119,045	153,752	(34,707)	-22.6%	140,692	(21,647)	-15.4%
51400 - Unemployment Insurance	0	1,248	(1,248)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	257,103	243,148	13,956	5.7%	233,475	23,628	10.1%
51600 - Retirement Contributions	533,515	563,324	(29,809)	-5.3%	504,430	29,085	5.8%
Total Labor & Related Overhead	909,664	961,472	(51,809)	-5.4%	878,597	31,067	3.5%
Materials & Supplies							
53140 - Materials & Supplies	19,941	22,153	(2,212)	-10.0%	21,470	(1,529)	-7.1%
Total Materials & Supplies	19,941	22,153	(2,212)	-10.0%	21,470	(1,529)	-7.1%
Contractual Services							
52140 - Professional Services	28,084	40,300	(12,216)	-30.3%	108,721	(80,637)	-74.2%
52160 - Maintenance & Repairs	2,150	2,500	(350)	-14.0%	0	2,150	0.0%
Total Contractual Services	30,233	42,800	(12,567)	-29.4%	108,721	(78,487)	-72.2%
Other Operating Expense							
54500 - Travel & Meetings	3,329	23,175	(19,846)	-85.6%	(3,099)	6,427	-207.4%
54550 - Training	1,400	11,805	(10,405)	-88.1%	9,563	(8,163)	-85.4%
54600 - Dues, Fees and Subscriptions	746	4,080	(3,334)	-81.7%	5,005	(4,259)	-85.1%
Total Other Operating Expense	5,474	39,060	(33,586)	-86.0%	11,469	(5,994)	-52.3%
Grand Total	2,908,764	3,139,266	(230,502)	-7.3%	2,925,830	(17,067)	-0.6%

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Division Actuals vs. Budget – Finance

Table 10 - Division Actuals vs. Budget – Finance

Louisville & Jefferson County Metropolitan Sewer District							
Finance							
September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$278,172	\$355,595	(\$77,424)	-21.8%	\$282,349	(\$4,178)	-1.5%
51130 - Overtime	9	375	(366)	-97.6%	0	9	0.0%
51140 - Wages pd for vacation, holidays & other	37,123	0	37,123	0.0%	13,386	23,736	177.3%
51145 - Incentive Pay - Performance, ERT, Sugg	2,835	0	2,835	0.0%	(1,870)	4,705	-251.6%
Total Salaries & Wages	318,138	355,970	(37,832)	-10.6%	293,866	24,272	8.3%
Labor & Related Overhead							
51300 - Payroll Taxes	20,776	26,868	(6,091)	-22.7%	21,523	(747)	-3.5%
51400 - Unemployment Insurance	0	223	(223)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	40,831	38,346	2,485	6.5%	36,062	4,769	13.2%
51600 - Retirement Contributions	96,211	98,065	(1,854)	-1.9%	83,246	12,965	15.6%
Total Labor & Related Overhead	157,818	163,501	(5,684)	-3.5%	140,831	16,986	12.1%
Materials & Supplies							
53140 - Materials & Supplies	570	1,582	(1,012)	-63.9%	745	(175)	-23.5%
Total Materials & Supplies	570	1,582	(1,012)	-63.9%	745	(175)	-23.5%
Contractual Services							
52140 - Professional Services	34,427	63,295	(28,868)	-45.6%	24,300	10,127	41.7%
52155 - Banking Services	16,172	19,020	(2,848)	-15.0%	17,788	(1,616)	-9.1%
52195 - Other Contractual Services	13,283	3,000	10,283	342.8%	33,353	(20,070)	-60.2%
Total Contractual Services	63,882	85,315	(21,433)	-25.1%	75,441	(11,559)	-15.3%
Insurance Premiums & Claims							
54110 - General Liability Insurance	3,453	0	3,453	0.0%	0	3,453	0.0%
Total Insurance Premiums & Claims	3,453	0	3,453	0.0%	0	3,453	0.0%
Other Operating Expense							
54400 - Advertising	337	400	(63)	-15.7%	340	(2)	-0.7%
54500 - Travel & Meetings	0	5,986	(5,986)	0.0%	0	0	0.0%
54550 - Training	1,369	4,035	(2,666)	-66.1%	848	521	61.4%
54600 - Dues, Fees and Subscriptions	927	1,165	(239)	-20.5%	1,258	(331)	-26.3%
Total Other Operating Expense	2,633	11,586	(8,953)	-77.3%	2,445	188	7.7%
Grand Total	546,495	617,955	(71,460)	-11.6%	513,329	33,166	6.5%

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Division Actuals vs. Budget – Human Resources

Table 11 - Division Actuals vs. Budget – Human Resources

Louisville & Jefferson County Metropolitan Sewer District							
Human Resources							
September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$331,327	\$430,437	(\$99,109)	-23.0%	\$335,474	(\$4,146)	-1.2%
51130 - Overtime	0	475	(475)	0.0%	0	0	0.0%
51140 - Wages pd for vacation, holidays & other	40,889	0	40,889	0.0%	37,437	3,452	9.2%
51145 - Incentive Pay - Performance, ERT, Sugg	(1,788)	0	(1,788)	0.0%	8,596	(10,385)	-120.8%
Total Salaries & Wages	370,428	430,912	(60,483)	-14.0%	381,507	(11,079)	-2.9%
Labor & Related Overhead							
51220 - Workers' Compensation Insurance	0	0	0	0.0%	21,110	(21,110)	0.0%
51240 - Group Life - AD&D Insurance	(36)	0	(36)	0.0%	0	(36)	0.0%
51260 - Empl Assistance & Wellness Program	0	0	0	0.0%	2,844	(2,844)	0.0%
51300 - Payroll Taxes	22,052	32,493	(10,441)	-32.1%	27,496	(5,445)	-19.8%
51400 - Unemployment Insurance	0	260	(260)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	42,238	45,495	(3,257)	-7.2%	40,085	2,153	5.4%
51600 - Retirement Contributions	103,597	116,389	(12,793)	-11.0%	104,291	(695)	-0.7%
Total Labor & Related Overhead	167,850	194,637	(26,788)	-13.8%	195,827	(27,977)	-14.3%
Materials & Supplies							
53140 - Materials & Supplies	891	5,824	(4,933)	-84.7%	108	783	726.3%
Total Materials & Supplies	891	5,824	(4,933)	-84.7%	108	783	726.3%
Contractual Services							
51700 - Uniforms	0	250	(250)	0.0%	981	(981)	0.0%
52140 - Professional Services	34,742	101,435	(66,693)	-65.7%	55,850	(21,108)	-37.8%
52160 - Maintenance & Repairs	0	48	(48)	0.0%	0	0	0.0%
Total Contractual Services	34,742	101,733	(66,991)	-65.8%	56,831	(22,089)	-38.9%
Other Operating Expense							
54400 - Advertising	0	4,079	(4,079)	0.0%	0	0	0.0%
54500 - Travel & Meetings	549	5,853	(5,304)	-90.6%	(2,915)	3,464	-118.8%
54550 - Training	(342)	7,769	(8,111)	-104.4%	2,790	(3,132)	-112.3%
54600 - Dues, Fees and Subscriptions	5,069	12,228	(7,160)	-58.6%	1,199	3,869	322.7%
Total Other Operating Expense	5,276	29,929	(24,654)	-82.4%	1,074	4,201	391.2%
Grand Total	579,187	763,035	(183,848)	-24.1%	635,347	(56,160)	-8.8%

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Division Actuals vs. Budget – Information Technology

Table 12 - Division Actuals vs. Budget – Information Technology

Louisville & Jefferson County Metropolitan Sewer District Information Technology September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$644,191	\$785,669	(\$141,478)	-18.0%	\$590,788	\$53,403	9.0%
51130 - Overtime	4,555	2,799	1,756	62.7%	2,669	1,886	70.6%
51135 - Special Event Compensation	820	250	570	228.0%	1,640	(820)	-50.0%
51140 - Wages pd for vacation, holidays & other	80,045	0	80,045	0.0%	91,494	(11,448)	-12.5%
51145 - Incentive Pay - Performance, ERT, Sugg	(3,524)	0	(3,524)	0.0%	4,789	(8,313)	-173.6%
Total Salaries & Wages	726,088	788,718	(62,631)	-7.9%	691,380	34,707	5.0%
Labor & Related Overhead							
51300 - Payroll Taxes	44,999	60,091	(15,093)	-25.1%	52,502	(7,503)	-14.3%
51400 - Unemployment Insurance	0	477	(477)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	78,974	79,785	(811)	-1.0%	74,525	4,448	6.0%
51600 - Retirement Contributions	197,522	211,372	(13,850)	-6.6%	180,775	16,748	9.3%
Total Labor & Related Overhead	321,494	351,725	(30,231)	-8.6%	307,801	13,693	4.4%
Utilities							
53340 - Telephone	55,107	82,550	(27,443)	-33.2%	42,676	12,431	29.1%
53345 - Data Communications	173,558	232,437	(58,879)	-25.3%	178,389	(58,879)	-2.7%
Total Utilities	228,665	314,987	(86,322)	-27.4%	221,065	(46,448)	3.4%
Materials & Supplies							
53140 - Materials & Supplies	27,747	140,826	(113,079)	-80.3%	37,625	(9,879)	-26.3%
Total Materials & Supplies	27,747	140,826	(113,079)	-80.3%	37,625	(9,879)	-26.3%
Contractual Services							
51700 - Uniforms	0	250	(250)	0.0%	0	0	0.0%
52140 - Professional Services	162,469	286,515	(124,046)	-43.3%	196,210	(33,741)	-17.2%
52160 - Maintenance & Repairs	606,904	671,167	(64,263)	-9.6%	501,082	105,822	21.1%
52195 - Other Contractual Services	375,004	918,520	(543,516)	-59.2%	422,913	(47,909)	-11.3%
Total Contractual Services	1,144,377	1,876,453	(732,075)	-39.0%	1,120,205	24,172	2.2%
Other Operating Expense							
54500 - Travel & Meetings	0	18,000	(18,000)	0.0%	0	0	0.0%
54550 - Training	6,354	19,125	(12,771)	-66.8%	2,595	3,759	144.8%
54600 - Dues, Fees and Subscriptions	285	2,775	(2,490)	-89.7%	160	125	78.1%
Total Other Operating Expense	6,639	39,900	(33,261)	-83.4%	2,755	3,884	141.0%
Grand Total	2,455,010	3,512,609	(1,057,600)	-30.1%	2,380,832	20,129	3.1%

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Division Actuals vs. Budget – Legal

Table 13 - Division Actuals vs. Budget - Legal

Louisville & Jefferson County Metropolitan Sewer District							
Legal							
September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$208,249	\$260,697	(\$52,449)	-20.1%	\$213,016	(\$4,767)	-2.2%
51130 - Overtime	0	900	(900)	0.0%	292	(292)	0.0%
51140 - Wages pd for vacation, holidays & other	24,598	0	24,598	0.0%	23,790	808	3.4%
51145 - Incentive Pay - Performance, ERT, Sugg	1,994	0	1,994	0.0%	3,812	(1,818)	-47.7%
Total Salaries & Wages	234,840	261,597	(26,757)	-10.2%	240,910	(6,070)	-2.5%
Labor & Related Overhead							
51300 - Payroll Taxes	14,240	18,117	(3,877)	-21.4%	15,552	(1,312)	-8.4%
51400 - Unemployment Insurance	0	162	(162)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	12,625	16,485	(3,860)	-23.4%	17,765	(5,140)	-28.9%
51600 - Retirement Contributions	55,303	64,655	(9,352)	-14.5%	65,038	(9,736)	-15.0%
Total Labor & Related Overhead	82,168	99,418	(17,250)	-17.4%	98,355	(16,187)	-16.5%
Materials & Supplies							
53140 - Materials & Supplies	617	3,759	(3,142)	-83.6%	479	138	28.7%
Total Materials & Supplies	617	3,759	(3,142)	-83.6%	479	138	28.7%
Contractual Services							
52140 - Professional Services	37,897	63,474	(25,577)	-40.3%	21,112	16,785	79.5%
52145 - Legal	69,971	327,525	(257,554)	-78.6%	121,369	(51,398)	-42.3%
Total Contractual Services	107,868	390,999	(283,131)	-72.4%	142,480	(34,612)	-24.3%
Other Operating Expense							
54500 - Travel & Meetings	0	4,000	(4,000)	0.0%	960	(960)	0.0%
54550 - Training	0	1,000	(1,000)	0.0%	0	0	0.0%
54600 - Dues, Fees and Subscriptions	12,613	12,048	565	4.7%	9,236	3,377	36.6%
Total Other Operating Expense	12,613	17,048	(4,435)	-26.0%	10,195	2,418	23.7%
Grand Total	438,106	772,821	(334,715)	-43.3%	492,420	(54,314)	-11.0%

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Division Actuals vs. Budget – Operations

Table 14 - Division Actuals vs. Budget – Operations

Louisville & Jefferson County Metropolitan Sewer District							
Operations							
September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$6,038,375	\$7,586,852	(\$1,548,477)	-20.4%	\$5,664,082	\$374,293	6.6%
51130 - Overtime	481,190	548,454	(67,264)	-12.3%	366,527	114,662	31.3%
51135 - Special Event Compensation	33,570	88,168	(54,598)	-61.9%	35,030	(1,460)	-4.2%
51140 - Wages pd for vacation, holidays & other	817,544	0	817,544	0.0%	1,071,361	(253,817)	-23.7%
51145 - Incentive Pay - Performance, ERT, Sugg	(13,752)	0	(13,752)	0.0%	261,664	(275,415)	-105.3%
Total Salaries & Wages	7,356,927	8,223,474	(866,548)	-10.5%	7,398,664	(41,737)	-0.6%
Labor & Related Overhead							
51300 - Payroll Taxes	422,061	580,110	(158,050)	-27.2%	543,527	(121,466)	-22.3%
51400 - Unemployment Insurance	0	4,926	(4,926)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	1,169,680	1,158,507	11,173	1.0%	1,095,779	73,901	6.7%
51600 - Retirement Contributions	2,040,936	2,033,439	7,497	0.4%	1,975,719	65,217	3.3%
Total Labor & Related Overhead	3,632,677	3,776,983	(144,306)	-3.8%	3,615,025	17,652	0.5%
Utilities							
53310 - Electric	2,799,514	3,285,000	(485,486)	-14.8%	2,976,564	(177,050)	-5.9%
53320 - Natural Gas	62,486	236,045	(173,560)	-73.5%	112,998	(50,512)	-44.7%
53330 - Water	374,844	324,548	50,296	15.5%	236,687	138,158	58.4%
53340 - Telephone	1	0	1	0.0%	0	1	0.0%
53345 - Data Communications	91,948	62,400	29,548	47.4%	32,092	29,548	186.5%
Total Utilities	3,328,793	3,907,993	(579,200)	-14.8%	3,358,341	(59,856)	-0.9%
Materials & Supplies							
53140 - Materials & Supplies	1,578,584	1,480,129	98,454	6.7%	1,500,094	78,490	5.2%
53160 - Landfill Cost of fill dirt	208,914	68,250	140,664	206.1%	43,904	165,010	375.8%
Total Materials & Supplies	1,787,498	1,548,379	239,119	15.4%	1,543,998	243,500	15.8%
Contractual Services							
51700 - Uniforms	19,350	34,692	(15,342)	-44.2%	19,558	(208)	-1.1%
52110 - Billing & Collection	38,147	41,304	(3,157)	-7.6%	40,847	(2,700)	-6.6%
52130 - Custodial & Watchmen	42,579	49,400	(6,821)	-13.8%	42,525	54	0.1%
52140 - Professional Services	149,013	147,375	1,638	1.1%	120,118	28,895	24.1%
52160 - Maintenance & Repairs	441,657	383,406	58,251	15.2%	426,181	15,476	3.6%
52170 - Sludge & Grit Disposal	1,635,154	789,089	846,065	107.2%	1,388,326	246,828	17.8%
52180 - Temporary Services	7,813	60,450	(52,637)	-87.1%	10,118	(2,305)	-22.8%
52195 - Other Contractual Services	2,428,819	2,701,672	(272,853)	-10.1%	2,871,043	(442,224)	-15.4%
Total Contractual Services	4,762,532	4,207,387	555,145	13.2%	4,918,715	(156,182)	-3.2%
Bad Debt							
54200 - Bad Debts	4,500	0	4,500	0.0%	0	4,500	0.0%
Total Bad Debt	4,500	0	4,500	0.0%	0	4,500	0.0%
Chemicals							
53210 - Chlorine	0	2,850	(2,850)	0.0%	0	0	0.0%
53215 - Sodium Hypochlorite	205,480	298,150	(92,670)	-31.1%	189,813	15,666	8.3%
53220 - Polymer	754,770	649,000	105,770	16.3%	450,275	304,496	67.6%
53225 - Sodium Aluminate	40,522	72,000	(31,478)	-43.7%	37,062	3,460	9.3%
53230 - Liquid Oxygen	78,475	114,900	(36,425)	-31.7%	8,024	70,451	878.0%
53235 - Liquid Nitrogen	0	6,000	(6,000)	0.0%	0	0	0.0%
53240 - Other Chemicals	16,135	28,452	(12,317)	-43.3%	47,529	(31,394)	-66.1%
53250 - Dechlorination	93,714	113,250	(19,536)	-17.2%	93,902	(188)	-0.2%
53275 - Defoamer	0	21,272	(21,272)	0.0%	0	0	0.0%
53280 - Bioxide	356,071	300,100	55,971	18.7%	250,477	105,594	42.2%
Total Chemicals	1,545,167	1,605,973	(60,806)	-3.8%	1,077,082	468,085	43.5%
Fuel							
53120 - Gasoline	152,090	129,042	23,048	17.9%	122,757	29,333	23.9%
53130 - Diesel Fuel	194,133	216,331	(22,198)	-10.3%	109,638	84,495	77.1%
Total Fuel	346,223	345,373	850	0.2%	232,395	113,828	49.0%
Insurance Premiums & Claims							
54110 - General Liability Insurance	0	630	(630)	0.0%	0	0	0.0%
54130 - Property Insurance	0	17,500	(17,500)	0.0%	0	0	0.0%
54140 - General Liability Claims	3,845	4,250	(405)	-9.5%	2,179	1,666	76.5%
Total Insurance Premiums & Claims	3,845	22,380	(18,535)	-82.8%	2,179	1,666	76.5%
Other Operating Expense							
53410 - Equipment Rental	63,437	35,149	28,288	80.5%	62,079	1,358	2.2%
53420 - Space Rent	7,500	7,500	0	0.0%	5,850	1,650	28.2%
54300 - Fines, Penalties & Damages	4,399	0	4,399	0.0%	4,000	399	10.0%
54500 - Travel & Meetings	6,386	7,435	(1,049)	-14.1%	660	5,726	868.1%
54550 - Training	0	70,601	(70,601)	0.0%	13,065	(13,065)	0.0%
54600 - Dues, Fees and Subscriptions	38,284	37,318	966	2.6%	14,241	24,043	168.8%
Total Other Operating Expense	120,005	158,003	(37,998)	-24.0%	99,894	20,111	20.1%
Grand Total	22,888,168	23,795,947	(907,779)	-3.8%	22,246,292	611,568	2.9%

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Division Actuals vs. Budget – Supply Chain & Economic Inclusion

Table 15 - Division Actuals vs. Budget – Supply Chain

Louisville & Jefferson County Metropolitan Sewer District Supply Chain & Economic Inclusion September 30, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
Salaries & Wages							
51120 - Regular Salaries & Wages	\$395,853	\$438,354	(\$42,500)	-9.7%	\$314,737	\$81,116	25.8%
51130 - Overtime	4,655	6,380	(1,725)	-27.0%	5,056	(401)	-7.9%
51140 - Wages pd for vacation, holidays & other	45,188	0	45,188	0.0%	38,550	6,638	17.2%
51145 - Incentive Pay - Performance, ERT, Sugg	2,516	0	2,516	0.0%	13,368	(10,852)	-81.2%
Total Salaries & Wages	448,213	444,734	3,479	0.8%	371,711	76,502	20.6%
Labor & Related Overhead							
51240 - Group Life - AD&D Insurance	936	0	936	0.0%	0	936	0.0%
51300 - Payroll Taxes	28,324	33,744	(5,420)	-16.1%	26,858	1,466	5.5%
51400 - Unemployment Insurance	0	248	(248)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	50,928	42,616	8,312	19.5%	41,049	9,878	24.1%
51600 - Retirement Contributions	127,066	102,555	24,511	23.9%	95,226	31,840	33.4%
Total Labor & Related Overhead	207,254	179,163	28,091	15.7%	163,134	44,120	27.0%
Materials & Supplies							
53140 - Materials & Supplies	2,645	17,380	(14,735)	-84.8%	677	1,968	290.6%
Total Materials & Supplies	2,645	17,380	(14,735)	-84.8%	677	1,968	290.6%
Contractual Services							
51700 - Uniforms	2,540	1,095	1,445	132.0%	135	2,405	1780.0%
52140 - Professional Services	3,999	89,008	(85,009)	-95.5%	0	3,999	0.0%
52160 - Maintenance & Repairs	9,500	18,750	(9,250)	-49.3%	6,806	2,694	39.6%
52180 - Temporary Services	21,701	(2)	21,703	-1085174.0%	14,086	7,616	54.1%
52195 - Other Contractual Services	(6,772)	(19,266)	12,494	-64.8%	(16,454)	9,682	-58.8%
Total Contractual Services	30,968	89,585	(58,617)	-65.4%	4,573	26,395	577.1%
Other Operating Expense							
53410 - Equipment Rental	3,450	2,000	1,450	72.5%	0	3,450	0.0%
53430 - Leased Parking	0	625	(625)	0.0%	0	0	0.0%
54250 - Contributions	0	9,875	(9,875)	0.0%	0	0	0.0%
54400 - Advertising	0	20,300	(20,300)	0.0%	0	0	0.0%
54500 - Travel & Meetings	936	25,550	(24,614)	-96.3%	80	856	1070.1%
54550 - Training	602	23,268	(22,666)	-97.4%	100	502	502.0%
54600 - Dues, Fees and Subscriptions	200	19,860	(19,660)	-99.0%	2,122	(1,922)	-90.6%
Total Other Operating Expense	5,188	101,478	(96,290)	-94.9%	2,302	2,886	125.4%
Grand Total	694,268	832,339	(138,072)	-16.6%	542,397	151,870	28.0%

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SUPPLEMENTAL FINANCIAL REPORTING

Revenue by Customer Class

Table 16 - Revenue by Customer Class

	Number of Customers		Revenue by Customer Class		Budget By Customer Class	
	Sep-2021	Sep-2020	Sep-2021	Sep-2020	Sep-2021	Sep-2020
Wastewater						
Residential	229,889	228,789	13,263,615	12,478,273	12,200,062	10,796,179
Commercial	21,562	21,511	8,458,708	7,700,663	8,228,299	7,640,835
Industrial	392	393	1,904,912	1,955,512	2,267,121	1,774,265
Sub-Total	251,843	250,693	23,627,235	22,134,448	22,695,483	20,211,279
Drainage						
Residential	208,184	207,437	2,402,999	2,268,869	2,338,456	2,140,970
Commercial	14,050	14,079	4,078,881	3,992,783	4,043,663	3,606,226
Industrial	269	270	482,037	455,439	460,434	422,504
Sub-Total	222,503	221,786	6,963,917	6,717,091	6,842,553	6,169,700
Grand Total			\$ 30,591,152	\$ 28,851,539	\$ 29,538,036	\$ 26,380,979

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Headcount

The chart below shows staffing level by division as of September 30, 2021.

Table 17 – Headcount by Division

FY22 Headcount by Division		
	Authorized	Filled
Administration		
Communications	4	4
Community Benefits & Partnerships	8	3
Customer Relations	22	17
Facilities	8	8
Innovation	3	2
Internal Audit	4	4
Records and Information Governance	9	8
Safety	15	13
Corporate	5	6
Engineering	96	89
Finance	19	17
Human Resources	19	16
Information Technology	33	27
Legal	10	7
Operations	465	423
Supply Chain & Economic Inclusion	24	18
Total Authorized Positions	744	662
*Excludes temporary & seasonal staff		

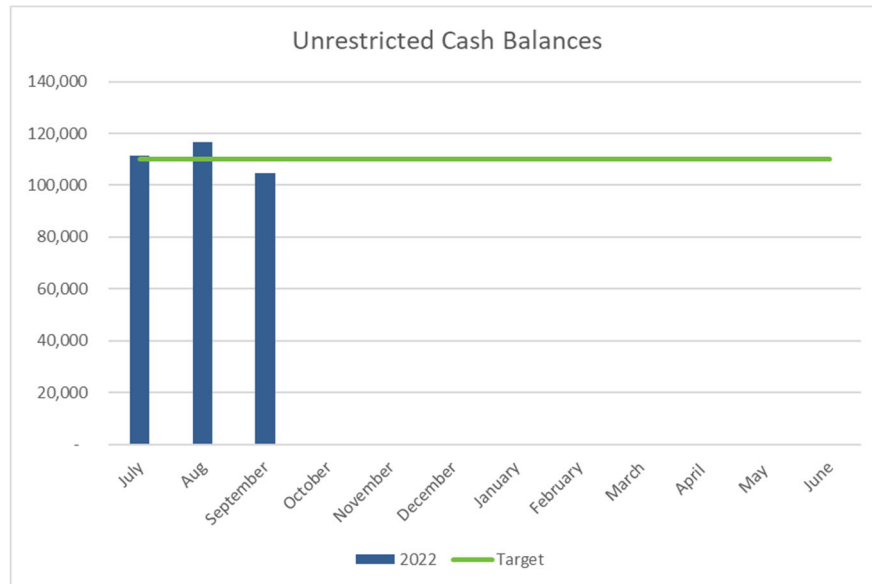
MONTHLY EXECUTIVE REPORT

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Cash Balances

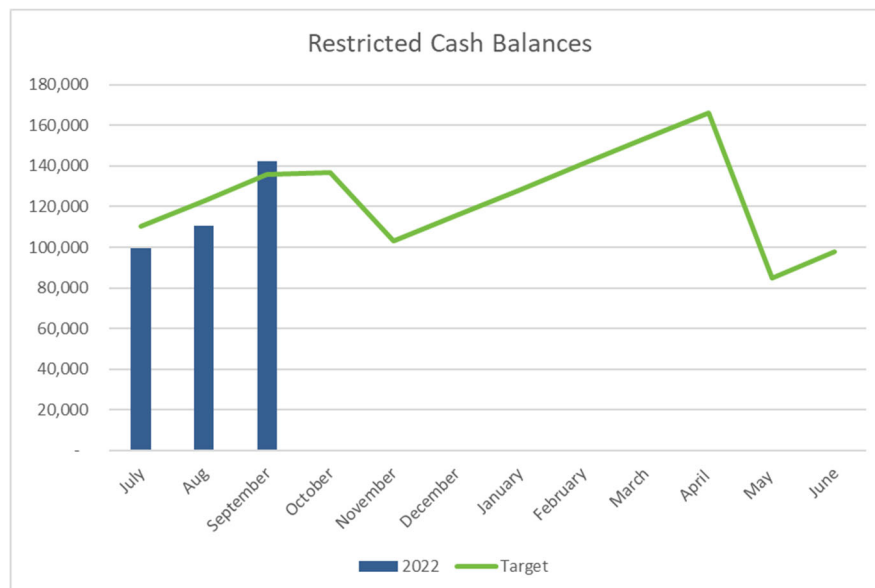
Unrestricted cash & cash equivalents generated from service fees and are operating income are used to pay for operating expenses. Unrestricted cash balance is a measure of financial health and supports the underlying credit rating. Low cash balances indicate poor flexibility and inability to manage contingencies.

Table 18 – Unrestricted Cash Balances



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 maximum annual debt service reserve funding.

Table 19 – Restricted Cash Balances



MONTHLY EXECUTIVE REPORT

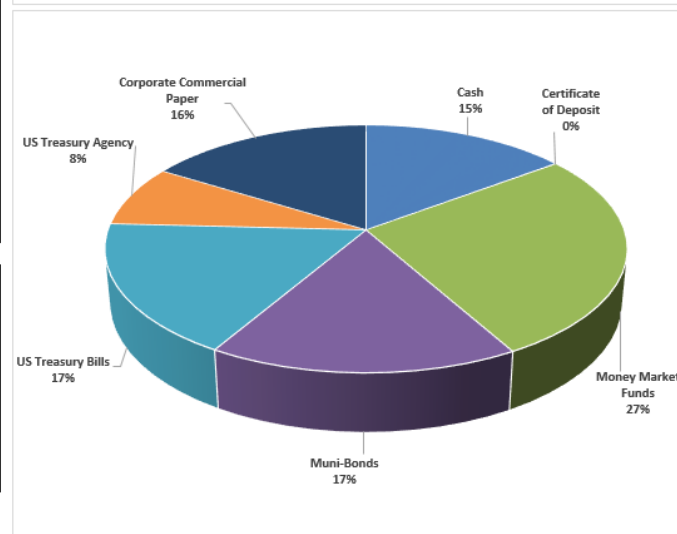
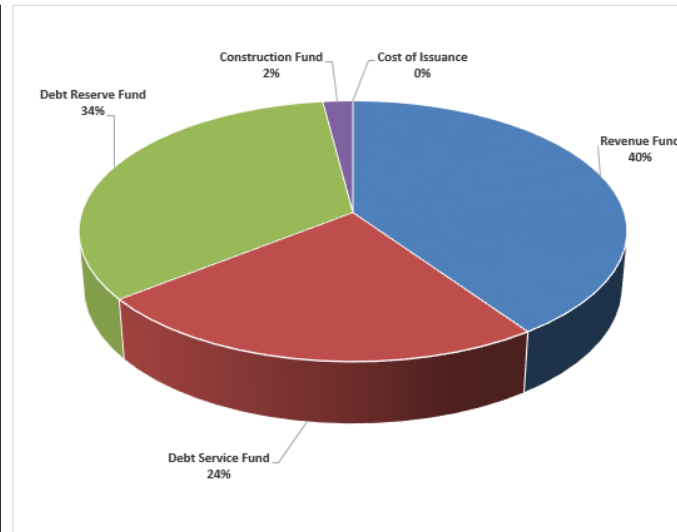
September 30, 2021

Current Investment Model

Table 20 – Current Investment Model

Series	Revenue Fund	Debt Service Fund	Debt Reserve Fund	Construction Fund	Cost of Issuance	Total
2008A	-	-	955,371	-	-	955,371
2009A	-	-	4,454,795	-	-	4,454,795
2009B	-	-	15,210,078	-	-	15,210,078
2009C	-	4,149,297	13,818,746	-	-	17,968,043
2010A	-	6,941,622	18,718,375	-	-	25,659,997
2011A	-	83,785	-	-	-	83,785
2013A	-	1,587,993	25,726,054	-	-	27,314,047
2013B	-	2,158,550	-	-	-	2,158,550
2013C	-	44,992	177,758	-	-	222,750
2014A	-	1,169,309	-	-	-	1,169,309
2015A	-	2,653,678	150,040	-	-	2,803,718
2015B	-	1,914,609	-	-	-	1,914,609
2016A	-	1,934,100	-	-	-	1,934,100
2016B	-	1,018,173	-	-	-	1,018,173
2016C	-	7,130,236	-	-	-	7,130,236
2017A	-	4,398,064	1,564,498	-	-	5,962,562
2017B	-	816,315	-	-	-	816,315
2018A	-	831,312	-	-	-	831,312
2019A	-	3,394,841	-	-	-	3,394,841
2020A	-	2,394,036	2,206,487	-	-	4,600,522
2020C	-	1,178,703	-	-	-	1,178,703
2021A	-	2,536,183	-	-	-	2,536,183
2020 BAN	-	10,548,508	-	-	-	10,548,508
2021 BAN	-	2,263,400	-	-	-	2,263,400
CP 2018 A-1 & A-2	-	-	-	5,000,057	-	5,000,057
Cash	33,981,222	-	-	-	-	33,981,222
Certificate of Deposit	100,000	-	-	-	-	100,000
Money Market Funds	2,575,397	-	-	-	-	2,575,397
Muni-Bonds	3,026,329	-	-	-	-	3,026,329
US Treasury Bills	19,970,450	-	-	-	-	19,970,450
Corporate Commercial Paper	39,983,679	-	-	-	-	39,983,679
	\$ 99,637,076	\$ 59,147,705	\$ 82,982,202	\$ 5,000,057	\$ -	\$ 246,767,040

Asset Description	Revenue Fund	Debt Service Fund	Debt Reserve Fund	Construction Fund	Cost of Issuance	Total
Cash	33,981,222	2,347,906	150,040	-	-	36,479,169
Certificate of Deposit	100,000	-	-	-	-	100,000
Money Market Funds	2,575,397	56,799,799	2,198,800	5,000,057	-	66,574,052
Muni-Bonds	3,026,329	-	38,191,592	-	-	41,217,920
US Treasury Bills	19,970,450	-	22,749,562	-	-	42,720,012
US Treasury Agency	-	-	19,692,208	-	-	19,692,208
Corporate Commercial Paper	39,983,679	-	-	-	-	39,983,679
	\$ 99,637,076	\$ 59,147,705	\$ 82,982,202	\$ 5,000,057	\$ -	\$ 246,767,040



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Monthly Investment Activity

Table 21 - Monthly Investment Activity

Account	Transaction Type	Category	Amount
2008A Debt Reserve	Redemption	Federal Home Loan Banks	(331,701.15)
2009B Debt Reserve	Purchase	New York City Transitional Finance Authority	3,383,340.00
2010A Debt Reserve	Purchase	New York City Transitional Finance Authority	1,094,610.00
Fifth Third Securities	Purchase	United States Treasury Note	14,992,968.75

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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 September, we had two notes mature which were replaced with new notes with an average rate of 0.12% and an average term of 153 days. In September, we issued one new \$15M note with a 0.11% rate and a term of 150 days. In October, we have two notes maturing totaling \$15M.

The CP Construction Fund balance as of September 30th, was \$5,000,056.16. Outstanding CP notes are currently split 53.8% with JP Morgan and 46.2% with Bank of America.

Table 22 – Commercial Paper Program Issuance Details

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
6/1/2021	54658QCK8	15,000,000	0.13%	153	11/1/2021	JPM	8,173.97	Roll	0.05%	0.08%
6/10/2021	54658QCL6	10,000,000	0.10%	151	11/8/2021	JPM	4,136.99	New	0.03%	0.07%
6/17/2021	54658QCM4	10,000,000	0.10%	152	11/16/2021	JPM	4,164.38	Roll	0.03%	0.07%
6/24/2021	54658NCM1	5,000,000	0.10%	120	10/22/2021	BAML	1,643.84	New	0.03%	0.07%
6/24/2021	54658QCN2	10,000,000	0.12%	113	10/15/2021	JPM	3,715.07	New	0.03%	0.09%
7/1/2021	54658QCP7	10,000,000	0.10%	126	11/4/2021	JPM	3,452.05	Roll	0.03%	0.07%
7/7/2021	54658RAC6	10,000,000	0.10%	149	12/3/2021	JPM	4,082.19	Roll	0.03%	0.07%
7/12/2021	54658NCN9	15,000,000	0.11%	150	12/9/2021	BAML	6,780.82	New	0.02%	0.09%
8/9/2021	54658QCQ5	15,000,000	0.10%	120	12/7/2021	JPM	4,931.51	New	0.02%	0.08%
8/17/2021	54658QCR3	10,000,000	0.12%	162	1/26/2022	JPM	5,326.03	Roll	0.02%	0.10%
8/23/2021	54658NCP4	20,000,000	0.11%	150	1/20/2022	BAML	9,041.10	Roll	0.02%	0.09%
8/27/2021	54658NCQ2	20,000,000	0.10%	150	1/24/2022	BAML	8,219.18	Roll	0.02%	0.08%
9/1/2021	54658NCR0	15,000,000	0.12%	155	2/3/2022	BAML	7,643.84	Roll	0.02%	0.10%
9/10/2021	54658NCS8	15,000,000	0.11%	150	2/7/2022	BAML	6,780.82	Roll	0.02%	0.09%
9/13/2021	54658QCS1	15,000,000	0.11%	150	2/10/2022	JPM	6,780.82	New	0.02%	0.09%
Currently Outstanding: \$ 195,000,000							\$ 84,873			
FY21 YTD: \$ 175,000,000							\$ 82,971			

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.

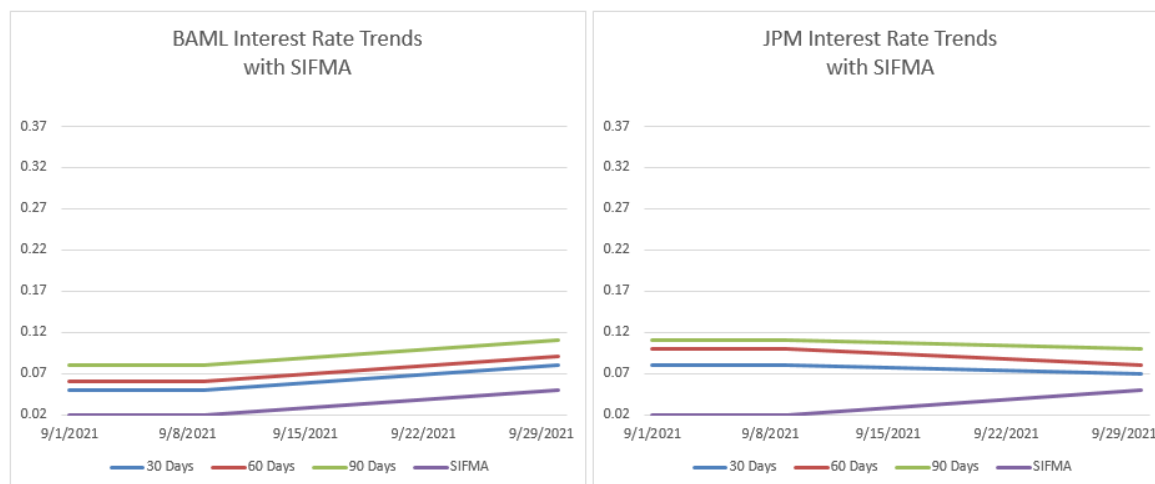


Figure 1 – BAML and JPM Interest Rate Trends

QUARTERLY FINANCIAL REPORTING

Key Performance Indicators

Debt service coverage is a key statistic assessing the financial health of a utility. The magnitude by which net revenues are sufficient to cover debt service shows a utility's margin to tolerate business risks or declines in demand while still assuring repayment of debt. Higher coverage levels indicate greater flexibility to withstand volatile revenues, unexpected outflows, or customer resistance to higher rates. MSD has different coverage calculations required by ordinance, the General Bond Resolution and in various debt service covenants. However, for benchmarking, we focus on the Moody's calculation which includes all debt. We strive for continuous improvement of this KPI because our ratio is near the Moody's Baa boundary relative to our overall Aa3 rating.

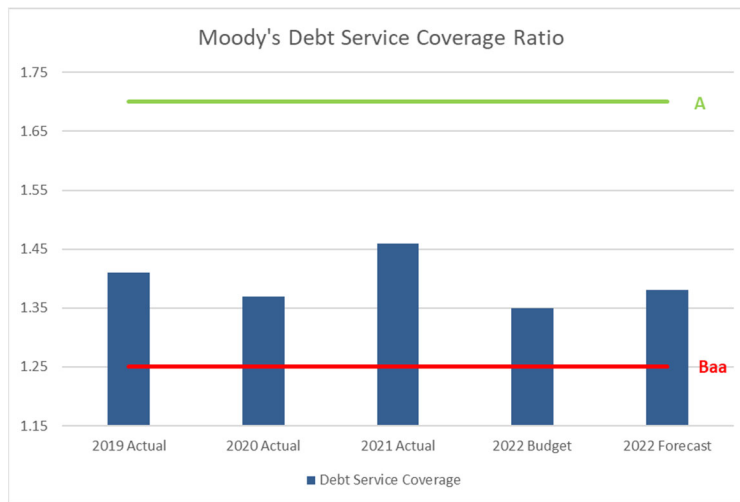


Figure 2 – Moody's Debt to Service Coverage Ratio KPI

Cash is the paramount resource MSD has to meet expenses and navigate business interruptions. Utilities with a lot of cash and cash equivalents are able to survive temporary disruptions and cash flow shortfalls without missing important payments. A low cash balance indicates poor flexibility to manage contingencies. MSD is the Aaa Moody's rating range for this KPI.

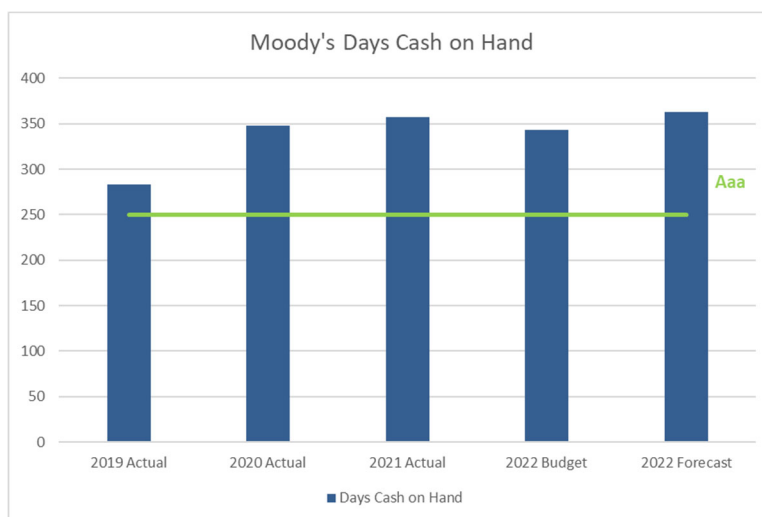


Figure 3 – Moody's Days Cash On Hand KPI

Key Performance Indicators – Continued

A utility's debt profile determines its leverage and fixed costs. Utilities that carry a lot of debt have less ability to reduce costs if demand shrinks and are generally more challenged to achieve higher debt service coverage. A greater debt burden may also prohibit a utility from funding necessary capital upgrades if a covenant prevents the issuer from incurring the debt necessary to fund those upgrades. MSD focuses on continuous improvement of this KPI because our ratio is near the Moody's Baa boundary relative to our overall Aa3 rating.

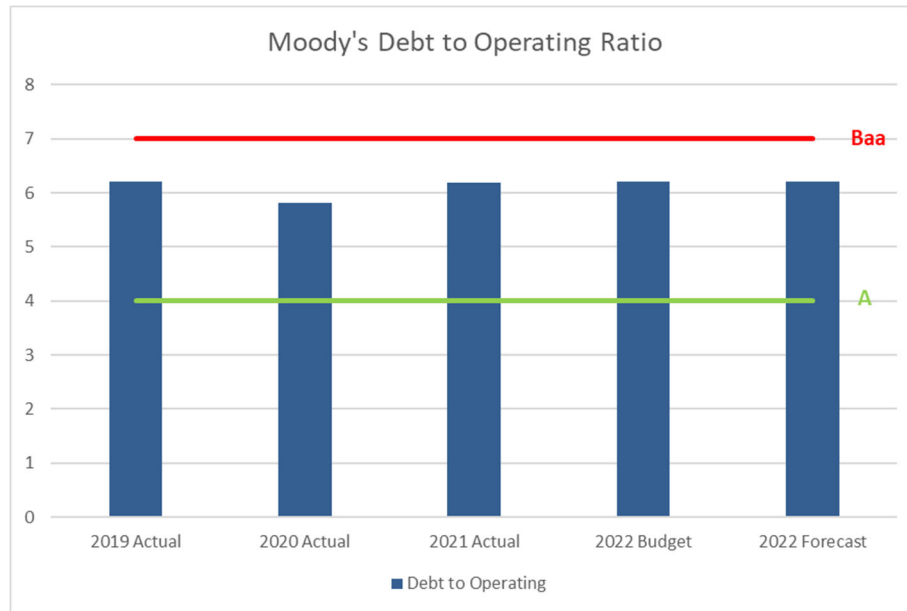


Figure 4 – Moody's Debt to Operating Ratio KPI

S&P Global Ratings evaluates our debt profile using a debt to total capitalization ratio. The objective is similar to what Moodys is evaluating with the debt to operating ratio. S&P considers MSD's debt to capitalization ratio relatively weak relative to our overall rating thus this is another key benchmark for us to monitor.

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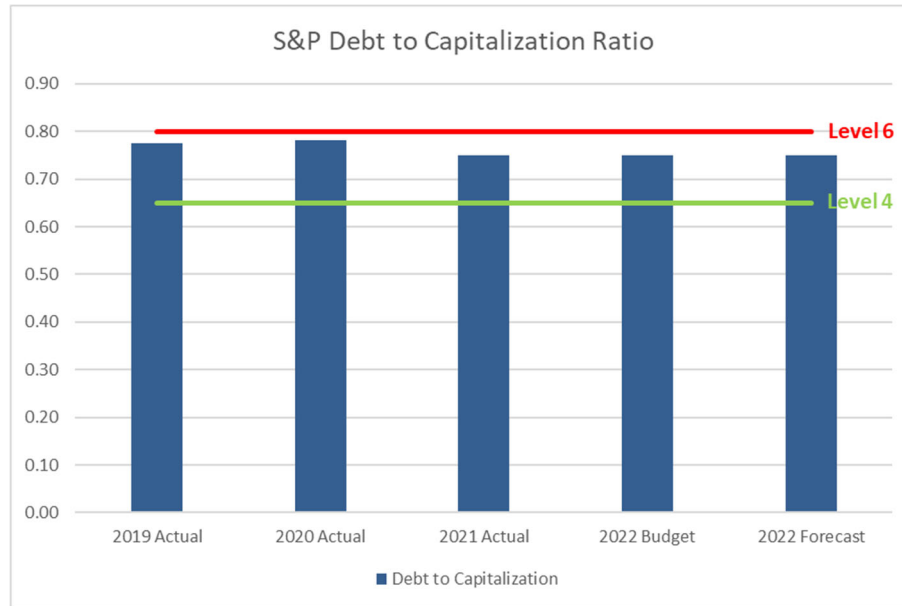


Figure 5 – S&P Debt to Capitalization Ratio KPI

Key Performance Indicators – Continued

Fitch Ratings assesses the level of financial flexibility that an entity can sustain as it encounters stresses expected to occur over the relevant forecast period. Metrics are used to evaluate the entity's liquidity profile and leverage in the context of the entity's overall risk profile. Reducing operating leverage is generally seen as positive. MSD regularly reviews its Net Leverage profile as calculated by Fitch as a benchmarking measure.

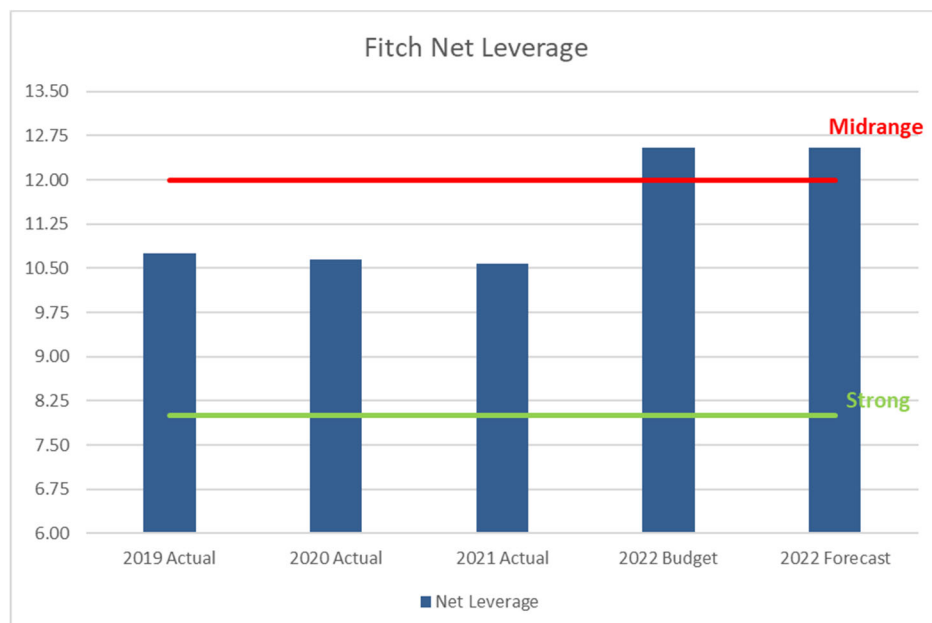


Figure 6 – Fitch Net Leverage KPI

MSD provides Debt per Wastewater Customer for informational purposes. We continue to be in a period where we are incurring more debt that we are paying off because of our spending commitments for the consent decree and to address aging infrastructure.

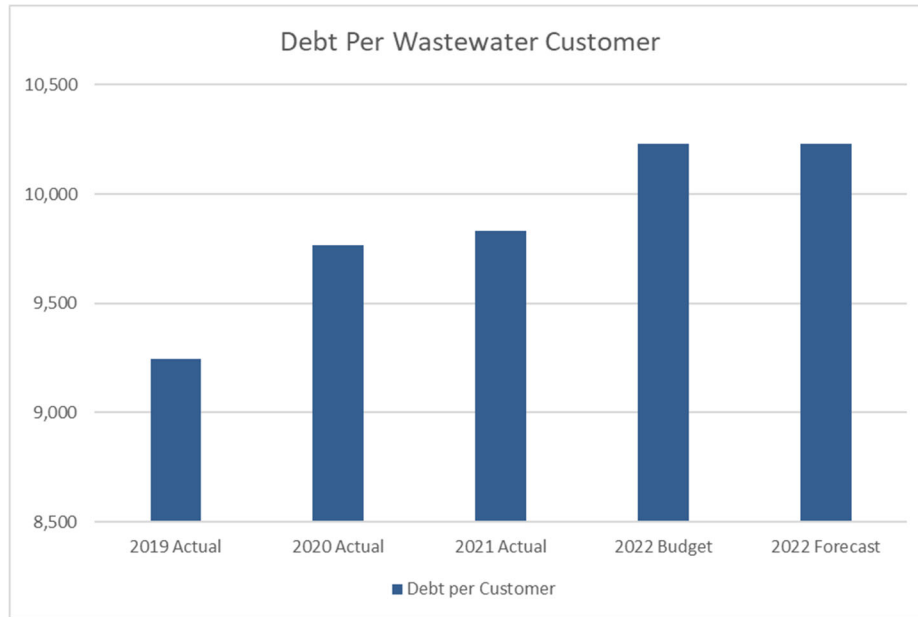


Figure 7 – MSD's Debt per Wastewater Customer

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Market to Market on Swaps

On September 30, 2021, MSD had two derivative instruments outstanding. Both swaps have termination dates of May 15, 2033. Both swaps are fixed-to-floating swaps. Payments are due on the fifteenth of each month. MSD pays fixed at 4.425% and receives 67% of 30-day LIBOR. MSD's swaps are measured at fair value using significant other observable inputs with a mid-market derivative valuation using a 67% of LIBOR Fixed Payer Swap rate.

Credit Support Provider	Description	Maturity Date	Notional Amount	Outstanding Notional Amount	Clean Market Value	Accrued Interest	Market-to-Market Value
Wells Fargo NA	1999 - 1 - \$225.732M 67% LIBOR Fixed Payer	5/15/2033	180,716,000.00	180,716,000.00	(60,055,158.11)	(420,237.61)	(60,475,395.72)
Bank of America NA	1999 - 2 - \$56.433 67% LIBOR Fixed Payer	5/15/2033	56,433,000.00	45,284,000.00	(15,022,209.25)	(105,315.27)	(15,127,524.52)
			\$ 237,149,000	\$ 226,000,000	\$ (75,077,367)	\$ (525,553)	\$ (75,602,920)

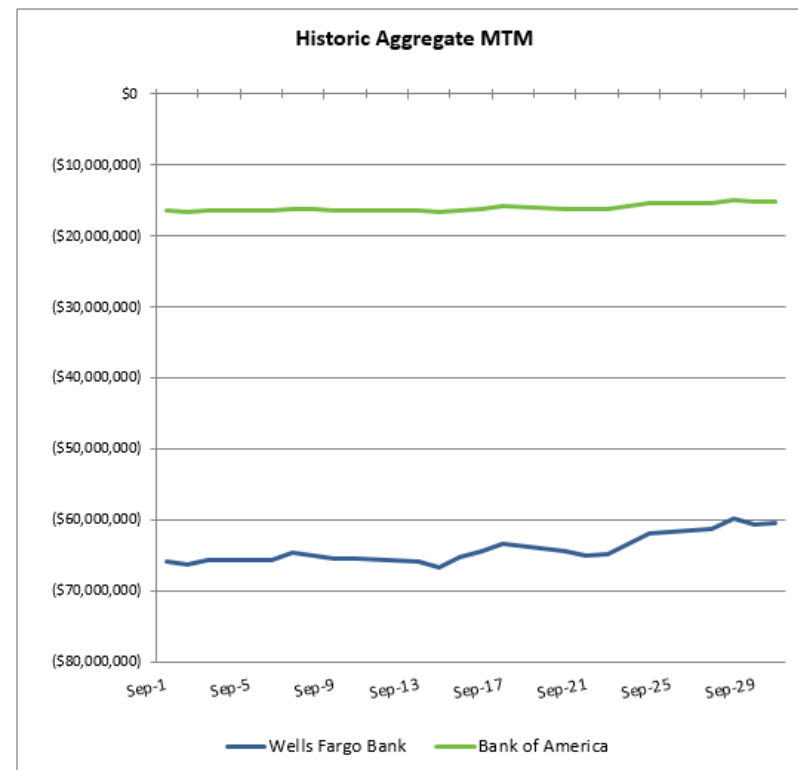
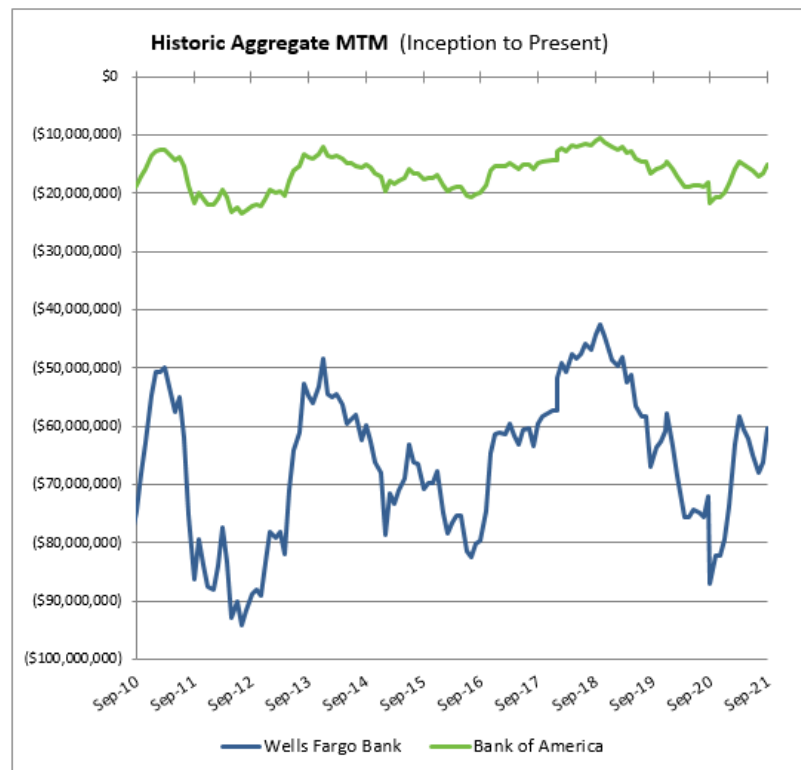


Figure 8 – Market to Market Swap Information

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Top 20 Customers

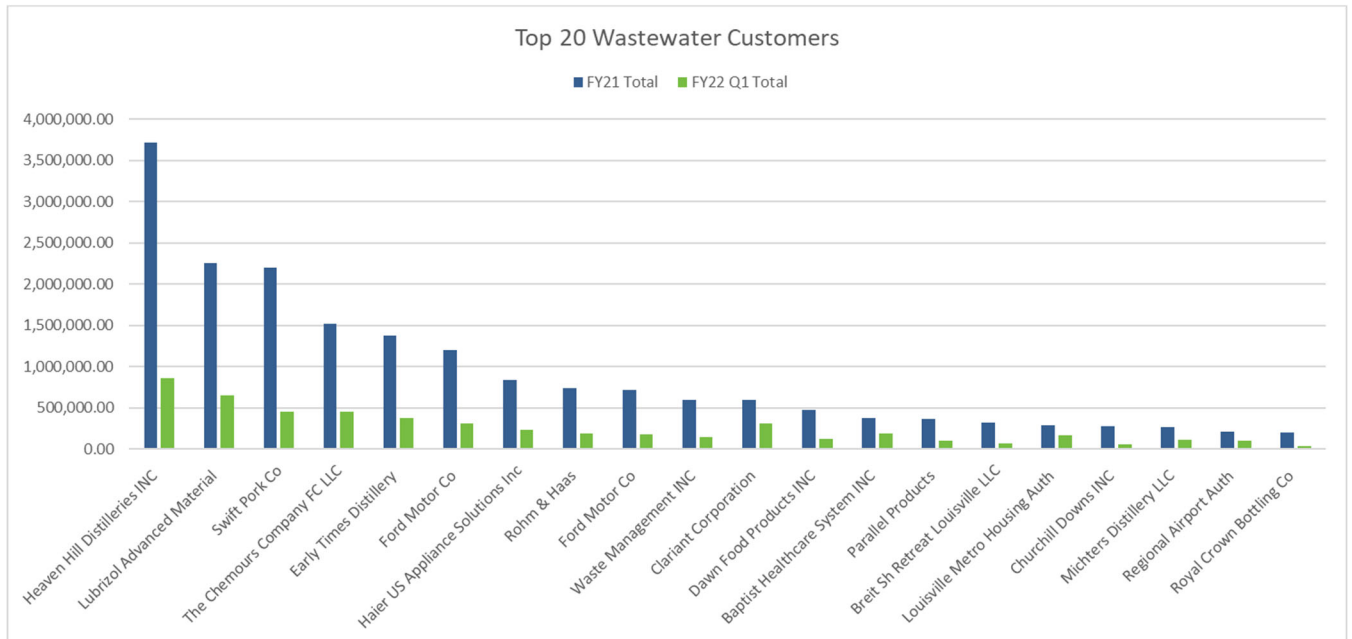


Figure 9 – MSD's Top 20 Wastewater Customers

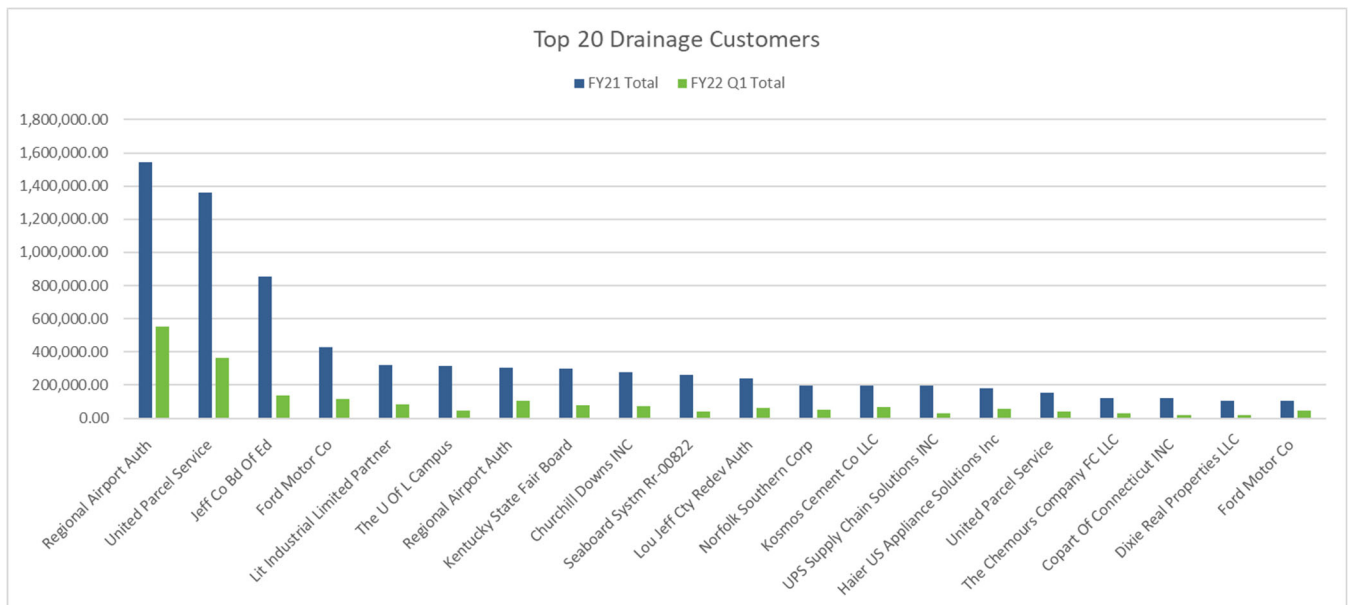
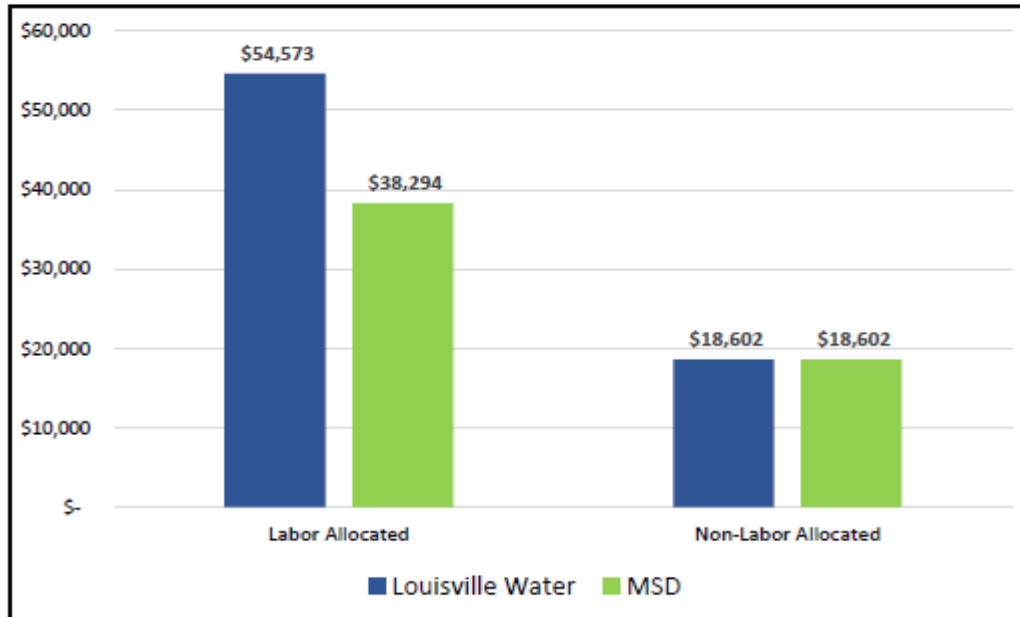


Figure 10 – MSD's Top 20 Drainage Customers

One Water Report



One Water
Shared Service Expenses
Q3 2021



Labor Costs Allocated to LW	
MSD One Water Employees	Amount
Fleet Services Director	\$ 20,301
Chief Innovation Officer	14,940
Fleet Services Administrator	11,261
Procurement Director	6,772
One Water Buyer	1,299
Total	\$ 54,573
Non-Labor Costs Allocated to LW	
Shared Services	Amount
LAGIT Insurance	13,813
Backup Data Line for Cust Svc	4,789
Total	\$ 18,602

Labor Costs Allocated to MSD	
LW One Water Employees	Amount
Project Liasion Director	\$ 25,181
Vice President of Communications	6,804
Customer Service Director	4,883
Customer Service Representative	1,426
Total	\$ 38,294
Non-Labor Costs Allocated to MSD	
Shared Services	Amount
LAGIT Insurance	13,813
Backup Data Line for Cust Svc	4,789
Total	\$ 18,602

Grand Total Allocated to LW \$ 73,175

Grand Total Allocated to MSD \$ 56,896

Figure 11 - MSD's One Water Shared Services

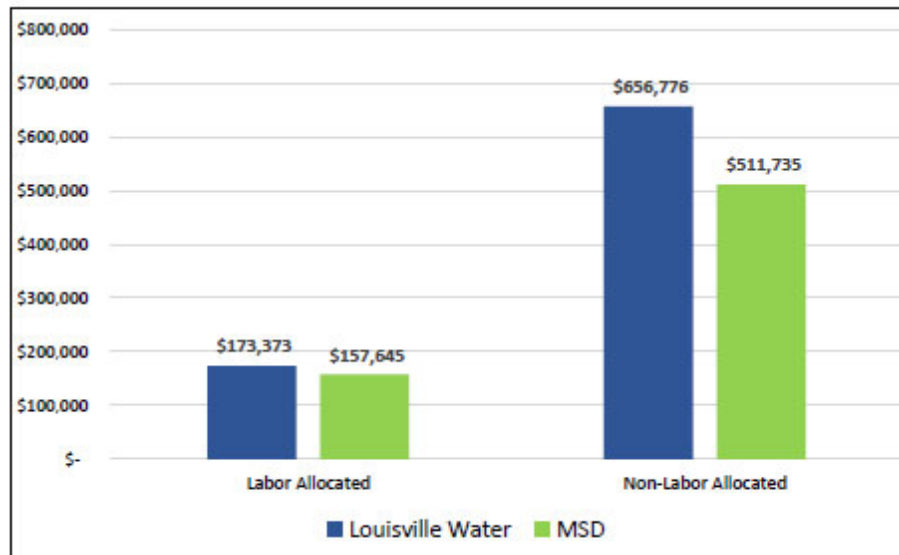
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One Water Report – Continued



One Water Shared Service Expenses September 2021 YTD



Labor Costs Allocated to LW	
MSD One Water Employees	Amount
Fleet Services Director	\$ 60,177
Chief Innovation Officer	46,346
Fleet Services Administrator	33,381
Procurement Director	32,170
One Water Buyer	1,299
Total	\$ 173,373
Non-Labor Costs Allocated to LW	
Shared Services	Amount
Dell EMC TLA Costs	\$ 587,015
Assetwork Implementation	40,012
LAGIT Insurance	13,813
Billing Services Feasibility Study	8,006
Backup Data Line for Cust Svc	7,205
Communications Econ Development	725
Total	\$ 656,776

Grand Total Allocated to LW \$ 830,149

Labor Costs Allocated to MSD	
LW One Water Employees	Amount
Project Liasion Director	\$ 74,299
IT Vice President	36,620
Customer Service Director	21,430
Vice President of Communications	13,607
Customer Service Manager	7,454
Customer Service Representative	4,235
Total	\$ 157,645
Non-Labor Costs Allocated to MSD	
Shared Services	Amount
Dell EMC TLA Costs	\$ 431,061
Assetwork Implementation	50,925
LAGIT Insurance	13,813
Billing Services Feasibility Study	8,006
Backup Data Line for Cust Svc	7,205
Communications Econ Development	725
Total	\$ 511,735

Grand Total Allocated to MSD \$ 669,380

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 FY22 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 FY22 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

FY22 CAPITAL BUDGET BASIS

The FY22 CIP budget of \$200.7M for Jefferson County and Oldham County projects was approved by the Board in May 2021. The approved budget was based upon \$183.3M in total expenditures forecasted at that time for the projects anticipated to be active during the Fiscal Year July 1, 2021 through September 30, 2022 plus \$17.4M was set aside in Management Reserve to fund emergencies and other unanticipated priorities for a total approved budget ceiling of \$200.7M.

It is important to recognize many projects span across multiple fiscal years so the annual budget may not represent the total estimate for the project. Also, construction spending is dependent upon the Contractor's actual progress with the work contracted. Complex construction projects, such as tunnels, 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 FY22 CIP was developed in coordination with MSD's Engineering, Finance, and Operations. The overarching 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. The 5-year and FY22 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 FY22 CIP.

- **Morris Forman WQTC Biosolids:** The aging biosolids processes at the Morris Forman WQTC have presented significant operational challenges. The FY22 CIP includes multiple projects related to biosolids process improvements including: 1) award of the progressive design-build project for a new state-of-the-art biosolids processing facility; 2) completion of construction of the Morris Forman WQTC dryer replacements; 3) completion of construction of the Derrik R. Guthrie WQTC new dewatering facility; 4) completion of construction of a new dewater facility at the Hite Creek WQTC; and 5) an advancement of an update 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.
- **Large Diameter Sewer Rehabilitation Program:** Every year, MSD experiences multiple sewer failures – primarily due to aging infrastructure. As such, MSD is continuing a 5-year program to proactively rehabilitate the highest risk large diameter sewers. In FY22 construction will proceed

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for the I-64 & Grinstead area sewers, Rudd Avenue, Nightingale, and Western Outfall sewers. Design and condition assessment will begin in FY22 for the Prospect Phase 2 and Little Cedar Creek sewers.

- **Flood Pump Station Reliability Improvements:** The Ohio River Flood Protection System protects 240,000 people and \$60 billion of property within the levee area. MSD is working in partnership with the United States Army Corps of Engineers to complete \$168 million of asset improvements with the intent of improving the overall reliability of the system. Work is anticipated to begin in FY22 for at least two projects: Canal Street Floodwall and the Paddy's Run FPS Capacity Improvement Project.

This information will be updated/adjusted in the event new priorities develop or risks change.

FY22 CIP OVERALL PERFORMANCE

MSD assigned funds to Management Reserve to fund emergencies and unanticipated priorities. Use of the Management Reserve requires approval by the CIP Management Team. The baseline FY22 budget included \$17.4M for Management Reserve. Given the fluid nature of the timing Management Reserve funds will be expended, MSD is reporting cash flow performance excluding unutilized Management Reserve. The following new budget performance nomenclature is introduced into this monthly report:

- **Budget Ceiling:** This represents the total annual capital spend approved with the FY22 CIP of \$200.7M 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 G22008). This target, which will change as Management Reserve is utilized, better measures progress of the working slate of projects. As of September 30, 2021, the Performance Budget Target is \$188.0M.

FY22 capital expenditures for the Wastewater, Stormwater, and Support Services Programs totaled \$17.6M through September 2021. This spend represents approximately 4.9% of the \$200.7M FY22 capital budget and 9.6% of the budget performance target. The total expenditures for FY22 are currently projected to be \$184.5M, which is 2% below the budget performance target of \$188.0M but 8.1% below approved budget ceiling.

Table 23 - Capital Budget Performance Summary

1. Financial Category	Value	Comments
FY 2022 Budget Ceiling	\$200.7M	Approved by MSD board
FY 2022 Performance Budget Target	\$188.0M	Budget Ceiling minus Mgmt Reserve
FY 2022 Actuals	\$17.6M	4.9% of budget
FY 2022 Remaining Forecasted Spend	\$166.9M	Forecasted remaining spend in FY 2021
Forecast for Total FY 2022 Spend	\$184.5M	Actuals plus forecasted remaining spend
Difference from Approved Budget Ceiling	\$16.2M	8.1% below approved FY 2022 budget ceiling

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

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A breakdown of the monthly spend forecast as compared to actual spending is presented in Table 24 and Figure 12. Capital expense reflects total capital invoices received against purchase orders in the month.

Table 24 – FY22 Evolving Spend Forecast and Actuals

FY22	Monthly Baseline Performance Target	Monthly Actuals
July 2021	\$ ---	\$ 1.3M
August 2021	\$ 14.5M	\$ 6.3M
September 2021	\$ 13.0M	\$ 10.0M
October 2021	\$ 12.6M	
November 2021	\$ 14.9M	
December 2021	\$ 16.4M	
January 2022	\$ 18.1M	
March 2022	\$ 19.6M	
March 2022	\$ 20.7M	
April 2022	\$ 18.1M	
May 2022	\$ 14.5M	
June 2022	\$ 20.9M	
FY 22 Performance Budget Target	\$ 183.3M	\$ 17.6M

Note: The FY22 baseline forecast excludes \$17.4M 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 FY21 budget. The June 2022 estimate includes the FY22 accruals.

The cashflow forecast graph presents the monthly actual spending along with the current projected spending for the fiscal year as mathematically calculated by the cash flow tool. The baseline compares the forecast to the projection used to develop the FY22 CIP. For the current reporting period, the total FY22 spending projection is \$184.5M or 8.1% below the budget ceiling (refer to Figure 13).

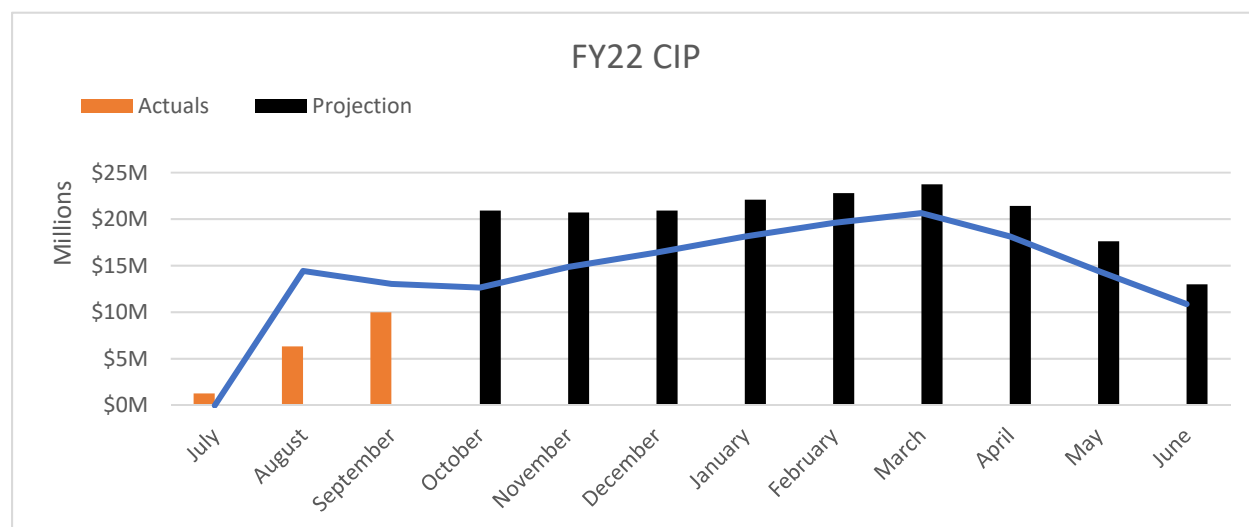


Figure 12 – FY22 Cashflow Forecast

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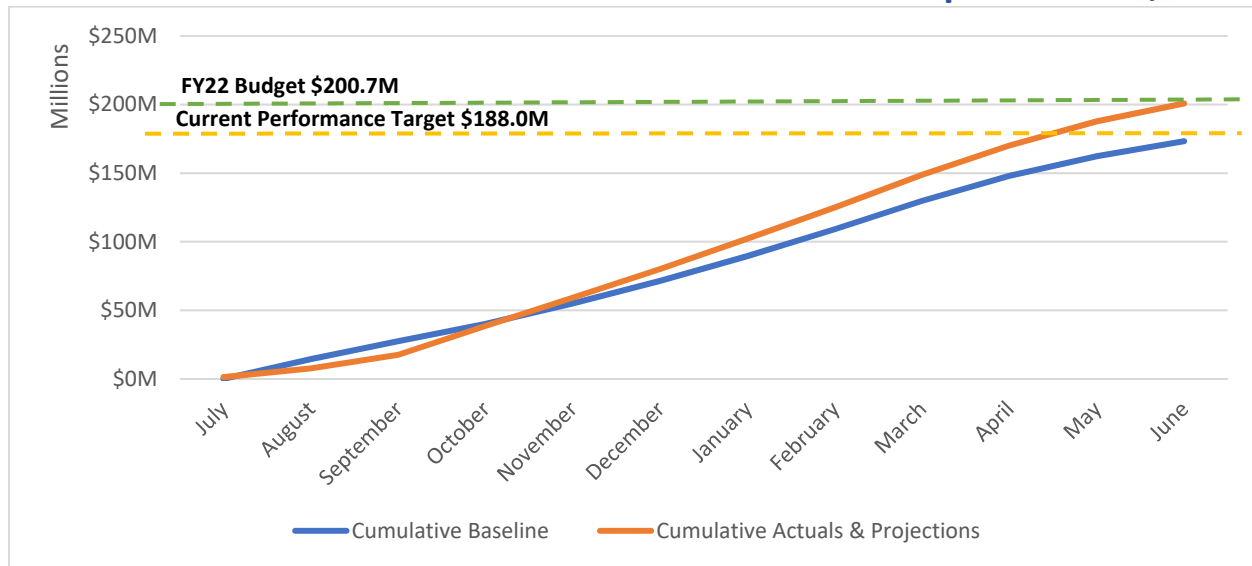


Figure 13 – FY22 Baseline Cashflow Forecast Vs. Actuals and Current Forecast

Challenges to CIP Execution

Efforts made by staff to meet project delivery milestones have been impacted by the following:

- Nationwide electronic chip shortage impacting the delivery of new vehicles
- Supply shortage of material impacting delivery of equipment
- Shortage of external workforce impacting manufacturing and delivery of equipment
- General impacts of COVID have delayed some projects
- Obtaining easements and stakeholder approval have resulted in delays for major interceptor projects including Floyds Fork and Ash Avenue
- Lack of bidders/bidder interest has reduced the number of respondents for some procurements
- Contractor learning curve to understand and properly comply with Supplier Diversity requirements

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.
- **Closeout/Warranty Phase Project:** The time when contracted work has been Substantially Completed and the Project Manager is waiting to receive the final pay application and/or finalize the warranty walkthrough inspection.

A summary of status of projects active during the reporting period is provided in Table 25.

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Table 25 – Summary of Active Non-Appropriation Projects During Reporting Month

Current Project Activity	# of Projects	Lifetime Actuals	FY22 Budget	FY22 Actuals
Studies	6	\$ 177,865	\$ 1,915,228	\$ 13,943
Initiation & Procurement	28	\$ 177,343	\$ 14,689,141	\$ 95,076
Design	50	\$ 5,780,651	\$ 58,412,696	\$ 756,085
Construction	26	\$ 300,315,464	\$ 52,659,751	\$ 9,885,687
Closeout/Warranty	33	\$ 110,317,952	\$ 11,002,692	\$ 2,047,840
TOTAL	143	\$ 416,769,276	\$ 138,679,507	\$ 12,798,630

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. These emergencies are primarily due to the condition and age of MSD's assets. Some of the emergencies 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.

Details of the emergency contract work for FY22 through the current reporting period 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 FY22 Renewal and Replacement - Budget ID G22001. Projects more complex or requiring more time for completion are assigned a new budget ID.

Table 26 – Year-to-Date Active Emergency Contract Work

Emergency	Funding Source	Date Began	Contractor	Amount
Harrods Creek FM Repair	A20280	11/25/2019	MAC Construction	\$ 9,000,000
DRGWQTC Dewatering*	D20284	12/2/2019	Ulliman Schutte	\$ 27,769,000
MFWQTC LG Dryer Replacements	D20285	1/2/2020	Judy Construction	\$ 51,317,010
Upper Mill Creek FPS, Pump #1 Repair	F20342	4/6/2020	JCI	\$ 468,870
10 th Street FPS MCC Replacement	F21123	7/23/2020	CE Power	\$ 250,000
26th Street Sewer Repair	A21241	5/6/2021	Temple and Temple	\$ 5,000,000
SGC Gates Replacement	H22022	7/1/21	AECOM	\$ 300,000
SGC Gate #1 Repairs	F21202	3/9/2021	Pace Contracting, LLC	\$ 550,000

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Emergency	Funding Source	Date Began	Contractor	Amount
Upper Mill Creek FPS, Pump #3	K18266	7/21/2021	JCI	\$ 500,000
MFWQTC FEPS Soft Starters	G22001	12/2/2019	Advanced Electric Systems	\$ 985,997
1102 Outer Loop Pipe Replacement Project		9/16/2020	B & R Contracting, LLC	\$ 47,000
6800 Bardstown Road Bank Repair		8/3/2020	Basham Construction and Rental Company Inc.	\$ 202,000
3342 Indian Lake Drive		6/18/21	TRC, LLC (WBE)	\$ 25,000
Mason Lane Culvert Replacement		1/26/2021	Basham Construction	\$ 271,898
MF Water Line Replacement		2/8/2021	Seven Seas	\$ 40,850
MFWQTC FEPS N Integral Substation Repl.		3/5/2021	CE Power	\$ 550,000
2021 Woodford Place Emergency PSC		3/15/2021	TRC, LLC (WBE)	\$ 30,000
Scenic Loop Pipe Replacement		6/24/2021	K. Weihe Construction, Inc	\$ 45,000
Clay and Breckinridge Sewer Repair		7/16/21	Pace Contracting, LLC	\$ 250,000
DRG Aeration Basin Sluice Gate Project		TBD	TBD	\$ 500,000

**This project is part of the overall project that was included in the emergency certification.*

Projects Removed from Cashflow

The FY22 CIP represents a list of projects forecasted to have spending during the fiscal year. No projects have been removed from cashflow during this reporting period.

Major Project Highlights

A major project is defined as one with an FY22 budget larger than \$4M. The following tables list major projects in design and construction.

Table 27 – Major CIP Projects in Design

Budget ID & Project Name	Design Finish	Current Project Estimate at Completion	FY22 Budget	Lifetime Actuals	FY22 Spending Projection	Project Outlook
D20351 Floyds Fork Interceptor	7/10/22	\$92.8M	\$8.6M	\$0.7M	\$7.4M	30% Design is complete. Schedule is being impacted by an order to cease and desist from Parklands until

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						the agency approves MSD plans.
H21019 Rudd Avenue Infrastructure Rehabilitation	10/30/21	\$23.1M	\$7.1M	---	\$12.3M	GMP for slip-lining is under review.
D17042 MFWQTC Sedimentation Basin RR	9/1/21	\$41.5M	\$6.8M	\$2.4M	\$2.6M	Construction period extended.
A20244 Large Diameter Sewer Rehabilitation	8/18/21	\$9.4M	\$5.5M	\$3.4M	\$2.2M	Design progressing as planned.
W21006 OC Ash Avenue Interceptor	10/19/21	\$6.5M	\$4.9M	\$0.3M	\$2.6M	Bid advertisement is postponed to January due to easement acquisitions.

Table 28 – Major CIP Projects Under Construction

Budget ID & Project Name	Anticipated Substantial Completion	Current Project Estimate at Completion	FY22 Budget	Lifetime Actuals	FY22 Spending Projection	Project Outlook
H09133 Ohio River Tunnel	4/30/22	\$194.0 M	\$18.8M	\$156.5M	\$20.3M	Claim under evaluation. This projection could increase as the pace of work is evaluated.
D20285 MFWQTC LG Dryer Replacements	12/31/21	\$56.4M	\$10.8M	\$50.2M	\$10.4M	Construction on schedule to have both dryer trains online January 2022.

MONTHLY CIP MANAGEMENT TEAM MEETING

The monthly CIP Management Team Meeting was held on September 28, 2021. The following represents the discussion held during the meeting.

Meeting Participants

Voting Members: Tony Parrott, Brian Bingham, Angela Akridge, Brad Good

Technical Support Staff: John Loechle, Stephanie Laughlin, Wolffie Miller, Dan French, Jacquelyn Quarles, Tony Marconi, Latoya English, Erin Wagoner, Wes Sydnor, Yajaira Morphonios, Dolly Smith, Marc Thomas, Mike Griffith

Consultant Support: Leisha Pica, Sharma Young

Regulatory Discussion

The following topics were discussed:

- Consent Decree comments and approval status
- Bullet County Agree Order comments and status
- Updated SORP submittal
- Upcoming Annual Consent Decree Report

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- Large Diameter Sewer Program
- Morris Forman WQTC Discussion
- Agreed Order projects
- Re-Rating Cedar Creek WQTC

FY22 CIP Progress and Discussions

The following topics were discussed related to the FY22 CIP.

August Actuals & Forecast: A discussion focused on current forecast and challenges.

Large Cashflow Uncertainties

- Ohio River Tunnel – work could progress faster than anticipated
- Floyds Fork Interceptor – delays will lower forecast LLP noted “do not get excited we are 10% below budget”.
- Delivery of vehicles and other equipment due to supply chain disruptions could impact several projects and appropriations.

September Notice of Advisements (NOAs).

- EAC Increase: Paddy’s Run FPS Capacity Upgrade: bids received were higher than budget. MSD Board approved this contract yesterday. APPROVED.
- NEW Project: FY22 Roof Inspection Services – Fund \$144,420 from Management Reserve. Work is for inspection while roofs are being repaired. APPROVED.

Active Emergencies. Total of 19 projects that originated as emergencies having a collective estimated cost of nearly \$98M.

Projects to Start Design Next 90 Days. Six projects are scheduled to start design over next 90 days.

Procurement Forecast. List of procurements over next 90 days were presented.

FY22 CIP Process Enhancements

Recent teamwork on process improvements was discussed.

Round Robin Discussion

- ☐ Laughlin: The SRF Intended Use Plan has been published by KIA. MSD will likely get invited to apply for the Admiral Way Capacity Assurance Project. MSD received a good debrief regarding project scoring. Several project profiles will be resubmitted for FY23. She noted MSD has the ability to resubmit for Paddy’s Run even though it is already underway.
- ☐ Sydnor: Recent economic development opportunities and status of federal Infrastructure Bill.
- ☐ Marconi: Bidder challenges
- ☐ Powell: Update on 26th Street project

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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. Table 29 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 FY22 CIP:** New projects were not known at the time the FY22 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 FY22 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.

Table 29 – Notice of Advisement Log for Reporting Month

ID	Project Name	Advisement Category	Impact in FY Budget	Status
282	FY22 DRI Program Hydraulic Analysis Support	Project Phasing/Split/Merge/ New Project	\$70,000	Approved
283	Paddy's Run FPS Capacity Upgrade	EAC Increase	\$120,592	Approved
284	DRGWQTC Lab Upgrade	Budget, Project Name Change	\$92,000	Approved
285	Selma Ave DIP	Project Phasing/Split/Merge/ New Project	\$200,000	Approved
286	5-Yr CIP Supplier Diversity	EAC, Budget, Schedule	\$80,000	Approved
287	Moccasin Trail Pipe Replacement Project	Project Phasing/Split/Merge/ New Project	\$60,000	Approved
288	DRGWQTC WWPS Roof Replacement	EAC, Project Status	---	Approved
289	MFWQTC Sedimentation Basin RR	Budget, Schedule	-\$1,700,000	Approved

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ID	Project Name	Advisement Category	Impact in FY Budget	Status
290	CCWQTC Re-Rating to 9.0 MGD	EAC, Project Phasing/Split/Merge/ New Project	\$95,000	Approved
291	FY22 Construction Inspection	EAC, Budget	\$193,000	Approved
292	FY22 Roof Inspection Services	EAC, Budget, Project Phasing/Split/Merge/ New Project	\$144,420	Approved

Approved Change Orders

The Change Orders processed by MSD during the reporting period are listed in the following table. This information is provided for informational purposes.

Table 30 – Construction Change Orders Processed during Reporting Month

Budget ID	Project	Original Contract Amount	Change Order Amount (this month)	Revised Contract Amount
H09127	Rowan Pump Station and Downtown CSO Interceptor	\$25,899,973	\$4,982	\$25,775,779
D18130	MFWQTC FEPS Loadcenter and MCC Replacement	\$498,000	\$58,550	\$556,550
D19039	CCWQTC Effluent Parshall Flume	\$1,126,000	\$168,933	\$1,319,414

PROCUREMENT ACTIVITIES

A forecast of the upcoming procurement activities for the next 90 days is presented in Table 31. The bid dates represent anticipated times and may be adjusted depending upon project conditions.

Table 31 – Potential Upcoming Procurement Projects

Budget ID	Project Name	Anticipated Advertising Date
D22042	FFWQTC and CCWQTC Power Factor Correction	10/30/2021
E21090	Sonne Avenue PS Elimination	11/1/2021
G21225	CMF and MFWQTC Facilities Entrance Upgrades	11/20/2021
H09164	Idlewood Inline Storage	12/7/2021
W21006	OC Ash Avenue Interceptor	1/3/2022
D19286	SWPS Gas Monitoring and SP1 Odor Control	1/8/2022

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Bid Openings

Bids opened during the reporting month are shown below.

Table 32 – Bids opened during Reporting Month

Budget ID	Project Name	Bid Opening	Engineer's Estimate	Bid Award
D21222	DRGWQTC Grit Building Roof Replacement	9/28/2021	\$92,400	\$109,760

Construction - Notice to Proceeds (NTP) Issued

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

Table 33 – NTP's Issued during Reporting Month

Budget ID	Project Name	NTP Date
D18130	MFWQTC FEPS Loadcenter and MCC Replacement	9/24/21

END OF REPORT